Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Arsoski Vladimir
Teaching position	associate professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Analysis and modeling of electron states in HgTe nanostructures	Dušan Topalović	2018	2020
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	V. Arsoski, Multi-controlled single-qubit unitary gates based on the quantum Fourier transform and deep decomposition, JOURNAL OF SUPERCOMPUTING, Vol. 81, No. 1202, pp. 1-30, Jul 2025. doi:10.1007/s11227-025-07684-y	M21
2	V. Arsoski, Implementing multi-controlled X gates using the quantum Fourier transform, QUANTUM INFORMATION PROCESSING, Vol. 23, pp. 305 1-19, Aug, 2024. doi:10.1007/s11128-024-04511-w	M21
3	V. Arsoski, M. Tadić, Exotic quantum states in multilayer phosphorene nanoribbons in electric and magnetic fields, PHYSICA SCRIPTA, Vol. 98, No. 9, pp. 1-10, Aug, 2023. doi:10.1088/1402-4896/ace940	M21
4	D. Topalović, V. Arsoski, M. Tadić, F. Peeters, Asymmetric versus symmetric HgTe / Cdx Hg 1 − x Te double quantum wells: Bandgap tuning without electric field, JOURNAL OF APPLIED PHYSICS, Vol. 128, No. 6, pp. 064301-1-064301-8, Aug, 2020. doi:10.1063/5.0016069	M22
5	D. Topalović, V. Arsoski, M. Tadić, F. Peeters, Confined electron states in two-dimensional HgTe in magnetic field: Quantum dot versus quantum ring behavior, PHYSICAL REVIEW. B, Vol. 100, No. 12, pp. 125304-1-125304-9, Sep, 2019. doi:10.1103/PhysRevB.100.125304	M21

6	V. Arsoski, M. Grujić, N. Čukarić, M. Tadić, F. Peeters, Normal and skewed phosphorene nanoribbons in combined magnetic and electric fields, PHYSICAL REVIEW. B, Vol. 96, No. 12, pp. 125434-1 - 125434-11, Sep, 2017 doi:10.1103/PhysRevB.96.125434	M21
7	N. Čukarić, B. Partoens, M. Tadić, V. Arsoski, and F. Peeters, The 30-band k p theory of valley splitting in silicon thin layers, Journal of Physics: Condensed Matter, Vol 28, No 19, pp. 195303 1–9, 2016 doi: 10.1088/0953-8984/28/19/195303	M22
8	D. Topalović, V. Arsoski, S. Pavlović, N. Čukarić, M. Tadić, and F. Peeters, On Improving Accuracy of Finite-Element Solutions of the Effective-Mass Schrödinger Equation for Interdiffused Quantum Wells and Quantum Wires, Communications in Theoretical Physics, Vol 65, No 1, pp. 105–113, 2016 doi: 10.1088/0253-6102/65/1/105	M22
9	V. Arsoski, N. Čukarić, M. Tadić, F. Peeters, An efficient finite-difference scheme for computation of electron states in free-standing and core–shell quantum wires, COMPUTER PHYSICS COMMUNICATIONS, Vol. 197, pp. 17 - 26, Dec, 2015 doi:10.1016/j.cpc.2015.08.002	M21a
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	89	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	17	Number of international projects in which the teacher is currently participating	-

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Atanasijević Petar
Teaching position	assistant professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2024	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Specialization				
MSc/MA degree				
Master's degree	2017	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Bachelor diploma	2018	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	M. Banović, P. Atanasijević, A. Prapas, C. Pappas, J. Crnjanski, A. Tsakyridis, M. Moralis-Pegios, K. Vyrsokinos, M. Lović, N. Zdravković, M. Mićić, M. Krstić, S. Petričević, N. Pleros, D. Gvozdić, All-optical high-speed programmable nonlinear activation functions using a Fabry–Pérot laser, APL PHOTONICS, Vol. 10, No. 10, Oct, 2025	M21a
2	P. Atanasijević, D. Grujić, F. Krajinić, P. Mihailović, D. Pantelić, Characterization of a bioderived imaging sensor based on a Morpho butterfly's wing, OPTICS AND LASER TECHNOLOGY, Vol. 159, pp. 1 - 8, Apr, 2023	M21
3	M. Banović, P. Atanasijević, M. Krstić, P. Mihailović, J. Crnjanski, S. Petričević, D. Gvozdić, Reconfigurable all-optical bistability/tristability in dual injection-locked Fabry–Perot laser diodes, OPTICS LETTERS, Vol. 48, No. 15, pp. 4165 - 4168, Aug, 2023 doi:10.1364/OL.496482	M21

4	P. Atanasijević, П. Михаиловић, Temperature compensation of NTC thermistors based anemometer, SENSORS AND ACTUATORS A: PHYSICAL, Vol. 285, pp. 210 - 215, Jan, 2019 doi:10.1016/j.sna.2018.11.004	M21
5	A. Jerotić, D. Đokić, P. Atanasijević, P. Mihailović, Non-bridge NTC thermistor anemometer with programmable sensitivity, FLOW MEASUREMENT AND INSTRUMENTATION, Vol. 96, Apr, 2024	M22
6	F. Krajinić, P. Atanasijević, P. Mihailović, Object alignment in spatially multiplexed holograms applied to polarization sensing, REVIEW OF SCIENTIFIC INSTRUMENTS, Vol. 95, No. 7, Jul, 2024.	M22
7	M. Mićić, P. Atanasijević, P. Mihailović, Laser diode driver on a programmable system on a chip, REVIEW OF SCIENTIFIC INSTRUMENTS, Vol. 95, No. 3, Mar, 2024.	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	43	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	7	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Bebić Milan
Teaching position	associate professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Doctoral degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Specialization				
MSc/MA degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Master's degree				
Bachelor diploma	1993.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the p

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Torque ripple reduction in Direct Torque Control of induction motor by using multilevel comparators	Marko Rosić	2015	2016
2	The assessment of the remaining lifetime of the insulation system of rotating electrical machines in combined strains conditions by the	Bojan Jokanović	2021	2023
3	Generalized Space Rotating Vector Modulation for Direct Matrix Converters	Luka Stanić	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	С. Штаткић, I. Jeftenić, M. Bebić, Ж. Миликић, С. Јовић, Reliability assessment of the single motor drive of the belt conveyor on Drmno open-pit mine, International Journal of Electrical Power & Energy Systems, Vol. 113, pp. 393 - 402, Dec, 2019 doi:10.1016/j.ijepes.2019.05.062	M21
2	Б. Јокановић, M. Bebić, H. Карталовић, The influence of combined strain and constructive solutions for stator insulation of rotating electrical machines on duration of their reliable exploitation, International Journal of Electrical Power & Energy Systems, Vol. 110, pp. 36 - 47, Sep, 2019	M21
3	D. Brajović, B. Jokanović, M. Bebić, N. Kartalović, D. Nikezić, Lifetime extension of the high voltage asynchronous machine in relation to the voltage endurance test, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), Feb, 2023 doi:10.1007/s00202-023-01767-w	M22

4	Milorad Pantelić, Predrag Jovančić, Leposava Ristić, Milan Bebić, Concrete base influence on the increased vibrations level of the mill drive system elements - A case study, ENGINEERING FAILURE ANALYSIS, Vol. 106, pp. 1 - 10, Dec, 2019 doi:10.1016/j.engfailanal.2019.104178	M21
5	Luka Stanić, Leposava Ristić, Milan Bebić, Marco Rivera, Improvement of two grid power factor control methods for matrix converter open-end-winding drive with common-mode voltage elimination supplied by unbalanced grid, IET POWER ELECTRONICS, pp. 1 - 16, Oct, 2022	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	247	Number of local projects in which the teacher is currently participating	4
Total number of papers on the SCI (SSCI) list	14	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Bjelić Miloš
Teaching position	associate professor
Narrow scientific (artistic) field	Technical acoustics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Technical acoustics
Doctoral degree	2019.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Technical acoustics
Specialization				
MSc/MA degree				
Master's degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Bachelor diploma	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the pa

O.n.	Dissertation title	Name and surname of a candidate	Registrati on year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	Tatjana Miljković, Miloš Bjelić, Jelena Ćertić, Dragana Šumarac Pavlović, Estimation of harp string inharmonicity influenced by phantom partials, The Journal of the Acoustical Society of America, Vol 158(4), 3187-3202, 2025, (DOI: 10.1121/10.0039660, IF=2.3),	M21
2	Tatjana Miljković, Jelena Ćertić, Miloš Bjelić, Dragana Šumarac Pavlović, Digital Signal Processing of the Inharmonic Complex Tone, Applied Sciences, Vol. 15 pp. 1-24, Jul, 2025, (DOI: 10.3390/app15158293, ISSN: 2076-3417, IF=2.5)	M21
3	Miloš Bjelić, Tatjana Miljković, Miomir Mijić, Dragana Šumarac Pavlović, An Estimation of Speech Privacy Class Based on ISO Parameter, Applied sciences, Vol. 14 (3), pp. 1-17, Jan, 2024, (DOI: 10.3390/app14030967, ISSN: 2076-3417, IF=2.7),	M21
4	Miloš Bjelić, Miomir Mijić, Tatjana Miljković, Dragana Šumarac Pavlović, Effect of Curvature Shape of Transparent COVID-19 Protective Face Shields on the Speech Signal, Archives of Acoustics, Vol. 49 (1), pp. 27-35, Jan, 2024, (DOI: 10.24425/aoa.2024.148772, ISSN: 0137-5075, IF=1.0)	M23

5	M. Bjelić, B. Brković, M. Žarković, T. Miljković, Fault detection in a power transformer based on reverberation time, International Journal of Electrical Power & Energy Systems, Vol. 137, pp. 1 - 8, Dec, 2021 doi:10.1016/j.ijepes.2021.107825	M21
6	M. Bjelić, B. Brković, M. Žarković, T. Miljković, Machine learning for power transformer SFRA based fault detection, International Journal of Electrical Power & Energy Systems, Vol. 156, Jan, 2024	M21
7	Stevan Savić, Miloš Bjelić, Dragana Šumarac Pavlović, Dragan Milošević, Jelena Dunjić, Lazar Lazić, Mileta Žarković, Tatjana Miljković, Urbanization Trends in the 21st Century - a Driver for Negative Climate, Noise and Air Quality Impacts on Urban Population, Geographica Pannonica, Vol. 26, pp. 396-405, Dec, 2022, (DOI: https://doi.org/10.5937/gp26-41319	M22
8	Miodrag Stanojević, Miloš Bjelić, Dragana Šumarac Pavlović, Miomir Mijić, Measurements of noise energy angular distribution at the building envelope using microphone arrays, Applied Acoustics, Vol 140, 283-287, 2018, (DOI: 10.1016/j.apacoust.2018.06.010, ISSN: 0003-682X, IF=2.297)	M22
9	Miloš Bjelić, Miodrag Stanojević, Dragana Šumarac Pavlović, Miomir Mijić, Microphone array geometry optimization for traffic noise analysis, The Journal of the Acoustical Society of America, Vol 141(5), 3101-3104, 2017, (DOI: 10.1121/1.4982694, IF=1.605),	M22
10	Miloš Bjelić, Miodrag Stanojević, Jelena Ćertić, Milan Merkle, Statistical properties of quantisation noise in analogue-to-digital converter with oversampling and decimation, IET CIRCUITS DEVICES & SYSTEMS, Vol 11 (5), 421-427, 2017, (DOI: 10.1049/iet-cds.2016.0506, IF=1.395)	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	114	Number of local projects in which the teacher is currently participating	4
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Bjelica Milan
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2019.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	2000.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the pa

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Personalized Program Guides for Digital Television	Marko Krstić	2018	2019
2	Detection of Road Structure Composition and Geometry Changes by Processing Measured Parameters, for the Purpose of Road Network	Nikola Slavković	2015	2020
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	M. Mazaj, M. Bjelica, E. Žagar, N. Zabukovec Logar, S. Kovačič Zeolite Nanocrystals Embedded in Microcellular Carbon Foam as a High Performance CO2 Capture Adsorbent with Energy-Saving Regeneration Properties CHEMSUSCHEM, Vol. 13, No. 8, pp. 2089-2097, Apr, 2020. doi:10.1002/cssc.201903116	M21a
2	M. Bjelica, M. Simić Pejović Experiences with remote laboratory INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, Vol. 55, No. 1, pp. 79-87, Jan, 2018. doi:10.1177/0020720917750960	M23
3	N. Slavković, M. Bjelica Risk prediction algorithm based on image texture extraction using mobile vehicle road scanning system as support for autonomous driving JOURNAL OF ELECTRONIC IMAGING, Vol. 28, No. 3, pp. 033034-1-033034-13, 2019. doi:10.1117/1.JEI.28.3.033034	M23
4	M. Krstić, M. Bjelica Personalized program guide based on one-class classifier IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 62, No. 2, pp. 175-181, May, 2016. doi:10.1109/TCE.2016.7514717	M22

5	H. Redžović, M. Vesović, A. Smiljanić, M. Bjelica Energy-efficient network processing based on netmap framework ELECTRONICS LETTERS, Vol. 53, No. 6, pp. 407-409, Mar, 2017. doi:10.1049/el.2016.3815	M23
6	N. Maksić, M. Bjelica M/M/1 model of Energy-Efficient Ethernet with byte-based coalescing ANNALES DES TELECOMMUNICATIONS-ANNALS OF TELECOMMUNICATIONS, Vol. 75, No. 7-8, pp. 291-305, 2020. doi:10.1007/s12243-020-00769-0	M23
7	M. Bjelica, N. Slavković Activity-related multifractal properties of Wi-Fi signals ELECTRONICS LETTERS, Vol. 59, No. 9, May, 2023. doi:10.1049/ell2.12802	M23
8	M. Krstić, M. Bjelica Impact of class imbalance on personalized program guide performance IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 61, No. 1, pp. 90-95, Feb, 2015. doi:10.1109/TCE.2015.7064115	M22
9	M. Bjelica, A. Perić Allocation of optimal discovery slots in IEEE 802.3av networks AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, Vol. 66, No. 3, pp. 211-213, Mar, 2012. doi:10.1016/j.aeue.2011.07.003	M23
10	M. Aksić, M. Bjelica Packet coalescing strategies for energy-efficient Ethernet ELECTRONICS LETTERS, Vol. 50, No. 7, pp. 521-523, Mar, 2014. doi:10.1049/el.2014.0386	M22
11	P. Jovanović, M. Bjelica Estimation of GSM base station output power cumulative density function AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, Vol. 68, No. 8, pp. 717-719, Aug, 2014. doi:10.1016/j.aeue.2014.02.007	M23
12	M. Bjelica Experiment with User Modeling for Communication Service Retrieval IEEE COMMUNICATIONS LETTERS, Vol. 12, No. 10, pp. 797-799, Aug, 2008. doi:10.1109/LCOMM.2008.080444	M22
13	M. Bjelica, A. Perić Adaptive Feedback Schemes for Personalized Content Retrieval IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 57, No. 3, pp. 1251-1257, Aug, 2011. doi:10.1109/TCE.2011.6018881	M22
14	M. Bjelica, Z. Petrović A Novel Service Retrieval Scheme IEEE COMMUNICATIONS LETTERS, Vol. 11, No. 7, pp. 637-639, Jul, 2007. doi:10.1109/LCOMM.2007.070278	M22
15	M. Bjelica Unobtrusive Relevance Feedback for Personalized TV Program Guides IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 57, No. 2, pp. 658-663, May, 2011. doi:10.1109/TCE.2011.5955205	M22
16	M. Bjelica Towards TV Recommender System: Experiments with User Modeling IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 56, No. 3, pp. 1763-1769, Aug, 2010. doi:10.1109/TCE.2010.5606323	M22
17	M. Krstić, M. Bjelica Context-Aware Personalized Program Guide Based on Neural Network IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 58, No. 4, pp. 1301-1306, Nov, 2012. doi:10.1109/TCE.2012.6414999	M22

Collective data of scientific teacher activities

Total number of citations, without auto-citations	308	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	19	Number of international projects in which the teacher is currently participating	1

Professional training

Council of Europe political school 2023, 2025

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Blagojević Vesna
Teaching position	associate professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Telecommunications
Doctoral degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics, Telecommunications and Automatic Control

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Cooperative cognitive telecommunication systems with wireless energy transfer and statistical channel state information knowledge	Nadica Kozić	2023	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	Vesna Blagojević, Nadica Kozić, Aleksandra Cvetković, Predrag Ivaniš, „Secrecy outage performance analysis of wirelessly powered IoT system with randomly moving receiving nodes“, Sensors, vol. 25, no.5, art.no. 1386, February 2025, ISSN: 1424-8220, DOI: 10.3390/s25051386.	M21
2	Predrag Ivaniš, Jovan Milojković, Vesna Blagojević, Srđan Brkić, „Capacity Analysis of Hybrid Satellite–Terrestrial Systems with Selection Relaying“, Entropy, vol. 26, no. 5, art. no. 419, May 2024, ISSN: 1099-4300, DOI: 10.3390/e26050419.	M22
3	Aleksandra Cvetković, Vesna Blagojević, Jelena Anastasov, Nenad T. Pavlović, Milan Milošević, “Outage Analysis of Unmanned-Aerial-Vehicle-Assisted Simultaneous Wireless Information and Power Transfer System for Industrial Emergency Applications”, Sensors, vol. 23, no. 18, art. no. 7779, September 2023, ISSN: 1424-8220, DOI:	M21
4	Nadica Kozić, Vesna Blagojević, Aleksandra Cvetković, Predrag Ivaniš, “Performance Analysis of Wirelessly Powered Cognitive Radio Network with Statistical CSI and Random Mobility”, Sensors, vol. 23, no. 9, art. no. 4518, May 2023, ISSN: 1424-8220, DOI: 10.3390/s23094518.	M21

5	Aleksandra Cvetković, Vesna Blagojević, Jelena Manojlović, „Capacity Analysis of Power Beacon-Assisted Industrial IoT System with UAV Data Collector“, Drones, vol. 7, no. 2, art. no. 146, February 2023, ISSN: 2504-446X, DOI: 10.3390/drones7020146.	M21
6	Nadica Kozić, Vesna Blagojević, Predrag Ivaniš, Performance Analysis of Underlay Cognitive Radio System with Self-Sustainable Relay and Statistical CSI, Sensors, vol. 21, no 11, art.no. 3727, May 2021. ISSN: 1424-8220, DOI: 10.3390/s21113727.	M21
7	Vesna Blagojević, Aleksandra M. Cvetkovic, Predrag Ivaniš, “Performance analysis of energy harvesting DF relay system in generalized- K fading environment,” Physical Communication, vol. 28, pp. 190-200, June 2018. ISSN 1874-4907, DOI: 10.1016/j.phycom.2018.04.006.	M22
8	Aleksandra M. Cvetkovic, Vesna Blagojević, Predrag Ivaniš, “Performance analysis of nonlinear energy-harvesting DF relay system in interference-limited Nakagami-m fading environment,” ETRI Journal, vol. 39, no. 6, pp. 803–812, December 2017, ISSN (printed): 1225-6463, ISSN (online) 2233-7326, DOI: 10.4218/etrij.2017-0096.	M23
9	Jiana Jarrouj, Vesna Blagojevic, Predrag Ivaniš, “Outage Probability and Ergodic Capacity of Spectrum-Sharing Systems with MRC Diversity”, Frequenz, vol. 70, iss. 3-4, pp. 157-171, March 2016. ISSN 0016-1136 (printed), eISSN 2191-6349 (online), DOI: 10.1515/freq-2015-0160.	M23
10	Jelena Anastasov, Vesna Blagojević, Predrag Ivaniš, Goran Djordjevic, “Performance of Spectrum Sharing System in Gamma Shadowed Nakagami-m Fading Environment”, Wireless Personal Communications, vol. 86, iss. 3, pp 1717-1729, February 2016. ISSN: 0929-6212, DOI: 10.1007/s11277-015-3015-9.	M23
11	Jiana Jarrouj, Vesna Blagojevic, Predrag Ivaniš, “Outage Probability of SINR for Underlay Cognitive Radio Systems in Nakagami Fading”, Frequenz, vol. 68, no. 11-12, pp. 563-572, November 2014, DeGruyter. ISSN: 2191-6349, DOI: 10.1515/freq-2014-0029.	M23
12	Vesna Blagojević, Predrag Ivanis, “Ergodic Capacity of Spectrum Sharing Systems with OSTBC in Nakagami Fading,” IEEE Communications Letters, vol. 16, no. 9, pp. 1500-1503, September 2012. ISSN: 1089-7798, DOI: 10.1109/LCOMM.2012.072012.120713.	M22
13	Vesna Blagojević, Predrag Ivanis, “Ergodic Capacity for TAS/MRC Spectrum Sharing Cognitive Radio,” IEEE Communications Letters, vol. 16, no. 3, pp. 321-323, March 2012. ISSN: 1089-7798, DOI 10.1109/LCOMM.2012.011312.111488.	M22
14	Predrag Ivanis, Vesna Blagojevic, Dusan Drajic, Branka Vucetic, “Second Order Statistics of a Maximum Ratio Combiner with Unbalanced and Unequally Distributed Nakagami Branches,” IET Communications, vol. 5, iss. 13, pp. 1829-1835, September 2011. ISSN: 1751-8628, DOI 10.1049/iet-com.2010.0493.	M23
15	Predrag Ivanis, Vesna Blagojevic, Dusan Drajic, Branka Vucetic, “Closed-Form Level Crossing Rates Expressions of Orthogonalized Correlated MIMO Channels,” IEEE Transactions on Vehicular Technology, vol. 60, no. 4, pp. 1910-1916, May 2011.	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	105	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Bojić Dragan
Teaching position	full professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2020.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Specialization				
MSc/MA degree	1994.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1992.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Improving Program Performance With Partially Context-Sensitive Profiles	Maja Vukasović	2023	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5,

O.n.	Reference titles and authors	Category
1	D. Bojić, D. Drašković, Modernizing 90s Era Software to a New Language and Environment Using LLMs - An Empirical Investigation, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, Vol. 35, No. 8, pp. 1099-1119, May, 2025. doi:10.1142/S021819402550024X	M23
2	M. Ogrizović, D. Drašković, D. Bojić, Quality assurance strategies for machine learning applications in big data analytics: an overview, Journal of Big Data, Vol. 11, No. 156, Oct, 2024 doi:10.1186/s40537-024-01028-y	M21a+
3	N. Korolija, D. Bojić, A. Hurson, V. Milutinović, A runtime job scheduling algorithm for cluster architectures with dataflow accelerators, ADVANCES IN COMPUTERS, Vol. 126, pp. 1 - 48, Apr, 2022	M21

4	M. Ignjatović, D. Bojić, I. Tartalja, A Survey on Problem Formulations and (Meta)Heuristic-Based Solutions in Automated Assembly of Parallel Test Forms, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, Vol. 31, No. 8, pp. 1171-1212, 2021.	M22
5	M. Kotlar, D. Bojić, M Punt, V. Milutinović, Survey of deployment locations and underlying hardware architectures for contemporary deep neural networks, INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, Vol. 15, No. 8, pp. 1-10, 2019. doi:10.1177/1550147719868669	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	720	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Brković Bogdan
Teaching position	assistant professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Doctoral degree	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Specialization				
MSc/MA degree				
Master's degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Bachelor diploma	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5,

O.n.	Reference titles and authors	Category
1	D. Mihić, B. Brković, M. Terzić, Asymmetrical four-phase 8/6 switched reluctance motor for a wide constant power region, Machines, Vol. 12, No. 7, Jul, 2024	M22
2	M. Bjelić, B. Brković, M. Žarković, T. Miljković, Machine learning for power transformer SFRA based fault detection, International Journal of Electrical Power & Energy Systems, Vol. 156, Jan, 2024	M21
3	B. Brkovic, M. Jecmenica, Calculation of Rotor Harmonic Losses in Multiphase Induction Machines, Machines, Vol. 10, No. 5, pp. 1 - 23, May, 2022	M22
4	M. Bjelić, B. Brković, M. Žarković, T. Miljković, Fault detection in a power transformer based on reverberation time, International Journal of Electrical Power & Energy Systems, Vol. 137, pp. 1 - 8, Dec, 2021	M21

5	B. Brković, M. Ječmenica, E. Levi, Z. Lazarević, Saturated VSD model of a six-phase induction machine, IET ELECTRIC POWER APPLICATIONS, Vol. 14, No. 14, pp. 2762 - 2771, Dec, 2020	M22
6	D. Mihić, M. Terzić, B. Brković, S. Vukosavić, A novel modular power converter for SRM drive, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), Vol. 102, pp. 921 - 937, Jun, 2020	M22
7	M. Ječmenica, B. Brković, E. Levi, Z. Lazarević, Interplane cross-saturation in multiphase machines, IET ELECTRIC POWER APPLICATIONS, pp. 1 - 11, Jan, 2019	M22
8	Bogdan Mihailo Brkovic, Leposava Bratimir Ristic, Mladen Vlajko Terzic, Ana V Stankovic, Zoran Mileta Lazarevic, Magnetizing Inductance Determination in a Six-phase Induction Machine, IEEE TRANSACTIONS ON ENERGY CONVERSION, pp. 1 - 12, Nov, 2018	M21
9	A. Albla, B. Brković, M. Ječmenica, Z. Lazarević, Online temperature monitoring of a grid connected induction motor, International Journal of Electrical Power & Energy Systems, Vol. 93, pp. 276 - 282, Dec, 2017	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	87	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	9	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Ćertić Jelena
Teaching position	associate professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2005.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	A new algorithm for processing and estimation of the laser reflection position on profile scanners by using embedded	Bogdan Marković	2023	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	D. S. Vujić, J. D. Ćertić, Modelling of ultra high frequency television band radio signal propagation in underground mine environment, WIRELESS NETWORKS, Vol. 25, No. 4, pp. 2117 - 2128, May, 2019 doi:10.1007/s11276-018-1801-5	M22
2	Т. Миљковић, Ј. Ћертић, М. Бјелић, Д. Шумарац Павловић, Digital Signal Processing of the Inharmonic Complex Tone, Applied Sciences, Vol. 15, pp. 1 - 24, Jul, 2025 doi:10.3390/app15158293	M21
3	T. Miljković, M. Bjelić, J. Ćertić, D. Šumarac Pavlović, Estimation of harp string inharmonicity influenced by phantom partials, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 158, No. 4, pp. 3187 - 3202, Oct, 2025 doi:10.1121/10.0039660	M21
4	B. Marković, J. Ćertić, Improving Sub-pixel Estimation of Laser Stripe Reflection Center by Autoconvolution on FPGA, JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 31, No. 4, pp. 2250063-1 - 2250063-15, Mar, 2022 doi:10.1142/S0218126622500633	M22
5	M. Bjelić, M. Stanojević, J. D. Ćertić, M. Merkle, Statistical properties of quantisation noise in analogue-to-digital converter with oversampling and decimation, IET Circuits, Devices and Systems, Vol. 11, No. 5, pp. 421 - 427, Sep, 2017 doi:10.1049/iet-cds.2016.0506	M23

6	Marija Božić, Jelena D. Ćertić, Milica Vukelić, Svetlana Čizmić, New Instructional Approach for Fostering Generic and Professional Competences: Case Study of the Project and Problem Based Learning Engineering Practice Course, INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, Vol. 34, No. 5, pp. 1581-1591, Sep, 2018.	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	71	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Čiča Zoran
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Packet switch architecture for efficient unicast and multicast traffic switching	Srđan Durković	2020	2022
2	Big data system for cable operator network performance monitoring	Milan Simakovic	2022	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	R. Petrovic, D. Simic, D. Drajić, Z. Čiča, D. Nikolić, M. Peric, Designing Laboratory for IoT Communication Infrastructure Environment for Remote Maritime Surveillance in Equatorial Areas Based on Gulf of Guinea Field Experiences, SENSORS, Vol. 20, No. 20: 1349, pp. 1 - 21, Feb, 2020 doi:10.3390/s20051349	M21
2	I. Vajs, D. Drajić, Z. Čiča, Data-Driven Machine Learning Calibration Propagation in A Hybrid Sensor Network for Air Quality Monitoring, SENSORS, Vol. 23, No. 5, pp. 1 - 21, Mar, 2023 doi:10.3390/s23052815	M21
3	S. Durkovic, Z. Čiča, Multicast Load-Balanced Birkhoff-Von Neumann Switch With Greedy Scheduling, IEEE ACCESS, Vol. 8, pp. 120654 - 120667, Jul, 2020 doi:10.1109/ACCESS.2020.3006370	M21
4	M. Simakovic, Z. Čiča, D. Drajić, Big-Data Platform for Performance Monitoring of Telecom-Service-Provider Networks, Electronics , Vol. 11, No. 14, 2224, pp. 1 - 27, Jul, 2022	M22

5	I. Vajs, D. Drajić, Z. Čiča, COVID-19 Lockdown in Belgrade: Air Pollution Impact and Evaluation of the Neural Network Model for the Correction of Low-Cost Sensors, Applied Sciences, Vol. 11, No. 22, 10563, pp. 1 - 11, Nov, 2021	M22
6	H. Turkmanović, I. Vajs, Z. Čiča, D. El Mezeni, P. Ivaniš, L. Saranovac, „Distributed AI Driven Simulation Framework for Performance Evaluation of Hybrid Satellite-Terrestrial Network Access," Electronics, vol.14, pp.1239, 2025, ISSN 2079-9292, doi: 10.3390/electronics14071239	M22
7	M. Simakovic, Z. Čiča, „Detection and Localization of Failures in Hybrid Fiber-Coaxial Network Using Big Data Platform," Electronics, vol.10(23), pp. 2906, November 2021, ISSN 2079-9292, DOI: 10.3390/electronics10232906	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	106	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	14	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Ćirović Nataša
Teaching position	associate professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2012.	University of Belgrade - Faculty of Mathematics	Mathematics	Mathematical analysis
Specialization				
MSc/MA degree	2008.	University of Belgrade - Faculty of Mathematics	Electrical Engineering and Computing	Applied mathematics
Master's degree				
Bachelor diploma	2004.	University of Belgrade - Faculty of Mathematics	Mathematics	Numerical Mathematics and Optimisation

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	S. Ješić, N. Ćirović, R. Nikolić, B. Ranđelović, A fixed point theorem in strictly convex b-fuzzy metric spaces, AIMS Mathematics, Vol. 8, No. 9, pp. 20989-21000, Jun, 2023. doi:10.3934/math.20231068	M21a+
2	N. Ćirović, A. Khalf, J. Gojanović, S. Živanović, Comparing three numerical methods for current-voltage characteristics simulations of organic solar cells considering surface recombination effects, OPTICAL AND QUANTUM ELECTRONICS, Vol. 54, No. 6, pp. May, 2022.	M21
3	B. Ranđelović, N. Ćirović, S. Ješić, A characterisation of completeness of b-fuzzy metric spaces and nonlinear contractions, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 15, No. 1, pp. 233-242, 2021.	M21a
4	R. Nikolić, S. Ješić, N. Ćirović, Fixed points theorems for non-self mappings with nonlinear contractive conditions in strictly convex Menger PM-spaces, FIXED POINT THEORY, Vol. 18, No. 1, pp. 315-328, Mar, 2017.	M22

5	S. Ješić, N. Ćirović, D. O'Regan, Altering Distances and a Common Fixed Point Theorem in Menger Probabilistic Metric Spaces, FILOMAT, Vol. 31, No. 2, pp. 175-181, Feb, 2017.	M21
6	C. Zaharia, N. Ćirović, A Probabilistic Fixed Point Result Using Altering Distance Functions, JOURNAL OF FUNCTION SPACES, Vol. 2015, No. Article ID 91920, pp. 1-6, Aug, 2015.	M23
7	S. Ješić, R. Nikolić, N. Babačev, A Common Fixed Point Theorem in Strictly Convex Menger PM-spaces, FILOMAT, Vol. 28, No. 4, pp. 735-743, Jul, 2014.	M21
8	S. Ješić, N. Babačev, R. Nikolić, A Common Fixed Point Theorem in Fuzzy Metric Spaces with Nonlinear Contractive Type Condition Defined Using Φ-Function, ABSTRACT AND APPLIED ANALYSIS, Vol. 2013, No. ID 273872,, pp. 1-6, Feb, 2013.	M21a
9	N. Babačev, Nonlinear Generalized Contractions on Menger PM Spaces, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 6, No. 2, pp. 257-264, Oct, 2012.	M21
10	S. Ješić, N. Babačev, D. O'Regan, R. Nikolić, Common Fixed Point Theorems For Four Mappings Defined On L-fuzzy Metric Spaces With Nonlinear Contractive Type Condition, FIXED POINT THEORY, Vol. 10, No. 2, pp. 259 - 274, Sep, 2009	M22
11	S. Ješić, N. Babačev, Common fixed point theorems in intuitionistic fuzzy metric spaces and L-fuzzy metric spaces with nonlinear contractive condition, CHAOS SOLITONS & FRACTALS, Vol. 37, No. 3, pp. 675-687, Aug, 2008.	M21a+
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	64	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Crnjanski Jasna
Teaching position	associate professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical and Computer Engineering	Physical electronics
Doctoral degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical and Computer Engineering	Physical electronics
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Master's degree				
Bachelor diploma	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teach

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Light propagation in deterministic aperiodic waveguide arrays	Nemanja Lučić	2015	2016
2	Modulation response of reflective semiconductor optical amplifier - fiber cavity laser	Jovana Babić	2023	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum

O.n.	Reference titles and authors	Category
1	J. Crnjanski, M. Krstić, A. Totović, N. Pleros, D. Gvozdić, Adaptive sigmoid-like and PReLU activation functions for all-optical perceptron, Optics Letters, vol. 46, pp. 2003 - 2006, 2021.	M21
2	J. Crnjanski, I. Teofilović, M. Krstić, D. Gvozdić, Application of a reconfigurable all-optical activation unit based on optical injection into a bistable Fabry–Perot laser in multilayer perceptron neural networks, OPTICS LETTERS, Vol. 49, pp. 1153 - 1156, 2024	M21
3	M. Banović, P. Atanasijević, A. Prapas, C. Pappas, J. Crnjanski, A. Tsakyridis, M. Moralis-Pegios, K. Vyrsokinos, M. Lović, N. Zdravković, M. Mićić, M. Krstić, S. Petričević, N. Pleros, D. Gvozdić, All-optical high-speed programmable nonlinear activation functions using a Fabry–Pérot laser, APL PHOTONICS, Vol. 10, No. 10, Oct, 2025.	M21a
4	M. Banović, J. Crnjanski, M. Krstić, D. Gvozdić, Performance Enhancement of Reservoir Computing Based on Fabry-Pérot Laser as All-Optical Reconfigurable Nonlinear Node, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 42, No. 22, pp. 7785-7794, Nov, 2024.	M21
5	M. Banović, P. Atanasijević, M. Krstić, P. Mihailović, J. Crnjanski, S. Petričević, D. Gvozdić, Reconfigurable all-optical bistability/tristability in dual injection-locked Fabry–Perot laser diodes, OPTICS LETTERS, Vol. 48, No. 15, pp. 4165-4168, Aug, 2023. doi:10.1364/OL.496482	M21
6	J. Babić, A. Totović, J. Crnjanski, M. Krstić, M. Mašanović, D. Gvozdić, Exploiting Inductive Peaking for Enhancing the RSOA's Large-Signal Modulation Performance, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 39, No. 11, pp. 3502-3510, Mar, 2021. doi:10.1109/JLT.2021.3069660	M21

7	D. M. Gvozdić, A. R. Totović, J. V. Crnjanski, M. M. Krstić, S. A. Gebrewold, J. Leuthold, M. L. Mašanović, Self-Seeded RSOA Fiber Cavity Laser and the Role of Rayleigh Backscattering - An Analytical Model, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 35, No. 22, pp. 4845-4850, Nov, 2017.	M21
8	A. Totović, J. Crnjanski, M. Krstić, D. Gvozdić, Numerical Study of the Small-Signal Modulation Bandwidth of Reflective and Traveling-Wave SOAs, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 33, No. 13, pp. 2758-2764, Jul, 2015.	M21
9	J. Babić, A. Totović, J. Crnjanski, M. Krstić, M. Mašanović, D. Gvozdić, Enhancement of the MQW-RSOA's Small-Signal Modulation Bandwidth by Inductive Peaking, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 37, No. 9, pp. 1981 - 1989, May, 2019	M21
10	M. Krstić, A. Delmade, J. Crnjanski, L. Barry, D. Gvozdić, Single laser dual optical frequency comb generation, OPTICS EXPRESS, Vol. 33, No. 20, pp. 43026-43035, 2025.	M12
11	Amol Delmade, Marko Krstić, Colm Browning, Jasna Crnjanski, Dejan Gvozdić, Liam Barry, Power efficient optical frequency comb generation using laser gain switching and dual-drive Mach-Zehnder modulator, OPTICS EXPRESS, Vol. 27, No. 17, pp. 24135 - 24146, Aug, 2019	M21
12	T. Pinto, U. C. de Moura, F. Da Ros, M. Krstić, J. Crnjanski, A. Napoli, D. Gvozdić, D. Zibar, Optimization of frequency combs spectral-flatness using evolutionary algorithm, OPTICS EXPRESS, Vol. 29, No. 15, pp. 23447 - 23460, 2021	M21
13	M. Krstić, J. Crnjanski, A. Totović, D. Gvozdić, Switching of Bistable Injection-Locked Fabry–Pérot Laser by Frequency Detuning Variation, IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 21, No. 6, pp. 1801509-1801509-9, Dec, 2015.	M21a
14	V. Topić, J. Crnjanski, M. Krstić, A. Totović, D. Gvozdić, Analytical Method for Calculation of the Photon Lifetime and External Coupling Coefficient in Index-Coupled Phase-Shifted DFB Lasers, IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 21, No. б, pp. 1503209-1503209-9, Dec, 2015.	M21a
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	280	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	39	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Director of the Institute of Physics of the Technical Faculties, University of Belgrade, since 2019.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Cvetanović Miloš
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Neurodegenerative condition detection using modified metaheuristic for optimising parameters of machine learning models	Jelica Cincović	2024	2025
2	Language for description of an architecture of software systems based on functional decomposition	Stefan Tubić	2023	2024
3	A methodology for solving semantic tasks in the processing of short texts written in natural languages with limited resources	Vuk Batanović	2016	2020
4	Software system for learning and application of artificial intelligence algorithms	Dražen Drašković	2017	2018
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5,

O.n.	Reference titles and authors	Category
1	N. Pejić, Z. Radivojević, M. Cvetanović, Analyzing the Impact of COVID-19 on GitHub Event Trends, Sustainability, Vol. 15, No. 19, pp. 1 - 16, Oct, 2023 doi:10.3390/su151914622	M21
2	B. Андрић, G. Kvaščev, M. Цветановић, C. Стојановић, H. Бачанин, M. Гајић--Квашчев, Deep learning assisted XRF spectra classification, Scientific Reports, Vol. 14, No. 1, 2024 doi:10.1038/s41598-024-53988-z	M21

3	S. Tubic, Z. Radivojevic, S. Stojanovic, M. Cvetanovic, AFD-An Architectural Language for Integral Modeling, IEEE ACCESS, Vol. 12, pp. 127165 - 127184, Sep, 2024 doi:10.1109/ACCESS.2024.3456041	M21
4	M. Kotlar, M. Punt, Z. Radivojević, M. Cvetanović, V. Milutinović, Novel Meta-Features for Automated Machine Learning Model Selection in Anomaly Detection, IEEE ACCESS, Vol. 9, pp. 89675 - 89687, Jun, 2021 doi:10.1109/ACCESS.2021.3090936	M22
5	N. Pejić, Z. Radivojević, M. Cvetanović, Helping Pull Request Reviewer Recommendation Systems to Focus, IEEE ACCESS, Vol. 11, pp. 71013 - 71025, Jul, 2023 doi:10.1109/ACCESS.2023.3292056	M21
6	V. Andrić, G. Kvaščev, M. Cvetanović, S. Stojanović, N. Bačanin, M. Gajić-Kvaščev, Deep learning assisted XRF spectra classification, Scientific Reports, Vol. 14, No. 1, pp. 3666, 2024, doi: 10.1038/s41598-024-53988-z	M21
7	V. Batanović, M. Cvetanović, B. Nikolić, A versatile framework for resource-limited sentiment articulation, annotation, and analysis of short texts, PLOS ONE, Vol. 15, No. 11, pp. 1 - 30, Nov, 2020, doi: 10.1371/journal.pone.0242050	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	305	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	3

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Despotović Željko
Teaching position	Science advisor (full research professor)
Narrow scientific (artistic) field	Power engineering, mining and energy efficiency

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2019.	University of Belgrade - School of Electrical Engineering		Power engineering, mining and energy
Doctoral degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Specialization				
MSc/MA degree	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Master's degree				
Bachelor diploma	1990.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Control structures for vibratory conveying of bulk materials based on electromagnetic actuators	Petar Mišljen	2017	2019
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	A. Džunuzović, M. Vijatović-Petrović, J. Bobić, N. Ilić, Ž. Despotović, F. Craciun, B. Stojanović, Energy harvesting and electrical properties of x(0.75NaBiT-0.25SrT)- (1-x)PVDF flexible composites, CERAMICS INTERNATIONAL, 2025., https://doi.org/10.1016/j.ceramint.2025.07.077	M21a
2	M. Vijatović-Petrović, E. Mercadelli, F. Cordero, Ž. Despotović, J. Bobić, A. DŽunuzović, N. Ilić, P. Stagnaro, G. Canu, M. Buscaglia, P. Galizia, C. Galassi, F. Craciun, Enhanced multifunctionality through the combined effect of lead-free piezoelectric and magnetostrictive phases in the polymer matrix composite, EUROPEAN POLYMER JOURNAL, 2025., https://doi.org/10.1016/j.eurpolymj.2025.114093	M21a
3	J. Vujasinović, G. Savić, I. Batas Bijelić, Ž. Despotović, Architecture and Sizing of Systems for the Remote Control of Sustainable Energy-Independent Stations for Electric Vehicle Charging Powered by Renewable Energy Sources, Sustainability, 2025., https://doi.org/10.3390/su17115001	M22
4	A. Radojković, D. Luković Golić, N. Jović Orsini, N. Nikolić, J. Ćirković, S. Lazarević, Ž. Despotović, Evolution of ferroelectric and piezoelectric properties of BiFeO3 ceramics doped with lanthanum and zirconium, JOURNAL OF ALLOYS AND COMPOUNDS, Oct, 2024., https://doi.org/10.1016/j.jallcom.2024.176901	M21a
5	M.Vijatović-Petrović, F. Craciun, F. Cordero, E. Mercadelli, N.Ilić, Ž. Despotović, J. Bobić, A. Džunuzović, C. Galassi, P. Stagnaro, G. Canu, M. Buscaglia, E. Brunengo, Advantages and limitations of active phase silanization in PVDF composites: Focus on electrical properties and energy harvesting potential, POLYMER COMPOSITES, pp. 1-19, Dec, 2023. doi:10.1002/pc.28071	M21a

6	J. Bobić, N. Ilić, Ž. Despotović, A. Dzunuzovic, R. Grigalaitis, I. Stijepovic, B. Stojanović, M. Petrović, Properties and Potential Application of Lead-Free (BaZr0.2 Ti0.8 O3) and Lead-Based (PbZr0.52 Ti0.48 O3) Flexible Thick Films, CRYSTALS, Jul, 2023., https://doi.org/10.3390/cryst13081178	M22
7	M. Vijatović-Petrović, F. Cordero, E. Mercadelli, E. Brunengo, N. Ilić, C. Galassi, Ž. Despotović, J. Bobić, A. Džunuzović, P. Stagnaro, G. Canu, F. Craciun, Flexible lead-free NBT-BT/PVDF composite films by hot pressing for low-energy harvesting and storage, JOURNAL OF ALLOYS AND COMPOUNDS, pp. 1-35, Jul, 2021., https://doi.org/10.1016/j.jallcom.2021.161071	M21a
8	V. Filipović, M. Matijević, P.Mišljen, Ž. Despotović, Outlier Robust Identification of the Thermal Power Plant: Combustion Control and Vibratory Transport, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Vol. 19, No. 3, pp. 391-400, Mar, 2020.	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	292	Number of local projects in which the teacher is currently participating	10
Total number of papers on the SCI (SSCI) list	20	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Grade Elevation to IEEE Senior Member, from 2015 to present;He is a reviewer for several IEEE journals (has done more than 200 reviews)

Member of the Main Scientific Committee for Energy, Mining and Energy Efficiency at the Ministry of Science, Technological Development and Innovation of Republic Serbia, from 2020 to present

Member of Professional Board (Field of Science and Mathematics), University of Belgrade, Serbia, from 2019 to present

President of Scientific Council of Mihajlo Pupin Institute, University of Belgrade, from 2020 to present; He has responsible designer licenses 350, 352 and 450-SERBIAN CHAMBER OF ENGINEERS

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Đorđević Antonije
Teaching position	Member of the Academy of Sciences and Arts
Narrow scientific (artistic) field	

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	SANU Beograd		
Doctoral degree	1979.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electromagnetics, Anter
Specialization				
MSc/MA degree	1977.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electromagnetics, Anter
Master's degree				
Bachelor diploma	1975.	University of Belgrade - School of Electrical Engineering	Electrical Engineering, Electronics and Telecommunications	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Nonuniform helical antennas	Jelena Dinkić	2019	2021
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	M. Nikolic Stevanović, A. Ковачевић, A. Ђорђевић, Increments of Admittance Parameters in Microwave Imaging, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Oct, 2024 doi:10.1109/TAP.2024.3451721	M21
2	M. Stevanović, A. Đorđević, Simple Derivation of Transfer Functions in Bistatic Scattering Model, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 70, pp. 1 - 1, Oct, 2022 doi:10.1109/TAP.2022.3177456	M21a
3	S. Filipović, N. Obradović, W. G. Farenholtz, S. Smith, M. Mirković, A. Peleš Tadić, J. Petrović, A. Đorđević, Spark plasma sintering of magnesium titanate ceramics, CERAMICS INTERNATIONAL, 2024	M21a
4	J. Dinkić, M. Stevanović, A. Đorđević, Physical Models for Influence of Substrate Permittivity on the Gain of Microstrip Antennas, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 71, No. 11, pp. 9078 - 9083, Nov, 2023 doi:10.1109/TAP.2023.3310165	M21

5	and Dielectric Targets Using TE Polarized Fields, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 66, No. 4, pp. 2035 - 2043, Apr, 2018 doi:10.1109/TAP.2018.2809455	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	>2000	Number of local projects in which the teacher is currently participating	
Total number of papers on the SCI (SSCI) list	>90	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data
Full Member of the Serbian Academy of Sciences and Arts since 2006

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Đorđević Borislav
Teaching position	senior science associate
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024	University of Belgrade - Institut Mihajlo Pupin	Technical and Technological Sciences - Information Technologies	Computer engineerin
Doctoral degree	2003	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineerin
Specialization				
MSc/MA degree	1992	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineerin
Master's degree				
Bachelor diploma	1989	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineerin

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Hardware-Software support for data stream processing in Cloud-Fog computing concept	Dušan Marković (FTN Čačak)	2021	2025
2	Predition model for hard disk drive failures based on anomaly detection	Slađana Đurašević (FTN Čačak)	2021	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5,

O.n.	Reference titles and authors	Category
1	D. Marković, D. Vujičić, S. Tanasković, B. Đorđević, S. Ranđić, Z. Stamenković, Prediction of Pest Insect Appearance Using Sensors and Machine Learning, SENSORS, Vol. 21, pp. 1 - 13, Jul, 2021 doi:10.3390/s21144846	M21
2	D. Marković, Z. Stamenković, B. Đorđević, S. Ranđić, Image Processing for Smart Agriculture Applications Using Cloud-Fog Computing, SENSORS, Vol. 24, No. 18, pp. 1 - 26, Sep, 2024 doi:10.3390/s24185965	M21
3	S. Đurašević, U. Pešović, B. Đorđević, Anomaly Detection Model for Predicting Hard Disk Drive, Failures, Applied Artificial Intelligence, APPLIED ARTIFICIAL INTELLIGENCE (AAI), Vol. 35, No. 8, pp. 549 - 566, Jul, 2021 doi:10.1080/08839514.2021.1922840	M22
4	V. Luković, Ž. Jovanović, S. Đurašević Pešović, U. Pešović, B. Đorđević, Solid-State Drive Failure Prediction Using Anomaly Detection, Electronics , Vol. 14, No. 7, pp. 1 - 16, Apr, 2025 doi:10.3390/electronics14071433	M22

5	B. Đorđević, K. Janić, N. Kraljević, Mathematical Modelling and Case Study with File System Performance Comparison for Linux-based Hypervisors, ACTA POLYTECHNICA HUNGARICA, Vol. 22, No. 1, pp. 101 - 121, Jan, 2025 doi:10.12700/APH.22.1.2025.1.6	M22
6	B. Djordjevic, V. Timcenko, N. Kraljevic, N. Macek, File System Performance Comparison in Full Hardware Virtualization with ESXi, KVM, Hyper-V and Xen, Advances in Electrical and Computer Engineering (AECE), Volume 21, Number 1, pp 11-20, (2021) doi: 10.4316/AECE.2021.01002	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	247	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Đurišić Željko
Teaching position	full professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Doctoral degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Specialization				
MSc/MA degree	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electrical power systems
Master's degree				
Bachelor diploma	1999.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Modeling the influence of the solar radiation time profile on the photovoltaic systems operation effets in a power	Babić Iva	2015	2016
2	Analysis of optimal sizing and location of shunt capacitors in active distribution networks	Jannat Mohamed Bashir Mohamed	2017	2018
3	Optimal spatial and temporal demand side management in a power system with large penetration of renewable energy	Kotur Dimitrije	2019	2020
4	New techniques for improving transient stability of active distribution networks	Milošević Dejan	2019	2020
5	Development of new technical solutions and mathematical models for production analysis of large photovoltaic power	Durković Vladan	2019	2021
6	Optimal planning of electrical infrastructure of large wind power plants	Petrović Ana	2020	2022
7	Optimal structure and spatial allocation of renewable energy sources in a power system with reduced thermal	Škrbić Bojana	2023	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	K. Lazović, Ž. Đurišić, Minimizing wind power plant imbalances using freight train gravity energy storage and intraday forecast updates, Journal of Energy Storage, Vol. 126, No. 117015, Aug, 2025	M21a
2	Ž. Đurišić, M. Đurić, V. Papić, An algorithm for three-phase power system frequency measurement, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), Feb, 2024	M22
3	A. Petrović, Ž. Đurišić, Genetic algorithm based optimized model for the selection of wind turbine for any site-specific wind conditions, ENERGY, Vol. 236, pp. 1 - 15, Dec, 2021	M21a
4	V. Durković, Ž. Đurišić, Extended model for irradiation suitable for large bifacial PV power plants, SOLAR ENERGY, Vol. 191, pp. 272 - 290, Oct, 2019	M21
5	A. Đorđević, Ž. Đurišić, General mathematical model for the calculation of economic cross sections of cables for wind farms collector systems, IET RENEWABLE POWER GENERATION, pp. 901 - 909, 2018	M21

6	Ž. Đurišić, V. Papić, Power system frequency tracking based on LES technique with constant matrix, MEASUREMENT, pp. 308 - 321, 2018	M21
7	D. Kotur, Ž. Đurišić, Optimal spatial and temporal demand side management in a power system comprising renewable energy sources, RENEWABLE ENERGY, Vol. 108, pp. 533 - 547, Aug, 2017	M21
8	M. Forcan, Ž. Đurišić, J. Микуловић, An algorithm for elimination of partial shading effect based on a Theory of Reference PV String, SOLAR ENERGY, pp. 51 - 63, 2016	M21
9	D. Milošević, Ž. Đurišić, Technique for stability enhancement of microgrids during unsymmetrical disturbances using battery connected by single-phase converters, IET RENEWABLE POWER GENERATION, pp. 1 - 12, Mar, 2020	M21
10	A. Đorđević, Ž. Đurišić, Mathematical model for the optimal determination of voltage level and PCC for large wind farms connection to transmission network, IET RENEWABLE POWER GENERATION, Vol. 13, No. 12, pp. 2240 - 2250, 2019	M21
11	D. Kotur, Ž. Đurišić, A. Savić, Spatial and temporal demand side management for optimal power transmission through power system with dispersed PV and wind power plants, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 175, pp. 1 - 13, Oct, 2019	M21
12	K. DŽodić, Ž. Đurišić, The permanently rotating wind turbines: a new strategy for reliable power system frequency support under low and no wind conditions, Frontiers in Energy Research, Vol. 11-2023, May, 2023	M22
13	V. Durković, Ž. Đurišić, Impact of a horizontal reflector on the techno-economic characteristics of large VPV power plants, SOLAR ENERGY, Vol. 220, pp. 650 - 659, 2021	M21
14	D. Milošević, Ž. Đurišić, A new technique for improving stability of distributed synchronous generators during temporary faults in a distribution network, International Journal of Electrical Power & Energy Systems, pp. 299 - 308, 2018	M21
15	Ž. Đurišić, J. Mikulović, Assessment of the Wind Energy Resource in the South Banat Region, Serbia, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Vol. 16, No. 5, pp. 3014 - 3023, Jun, 2012	M21a
16	Ž. Đurišić, J. Mikulović, A model for vertical wind speed data extrapolation for improving wind resource assessment using WAsP, RENEWABLE ENERGY, pp. 407 - 411, 2012	M21
17	A. Савић, Ž. Đurišić, Optimal sizing and location of SVC devices for improvement of voltage profile in distribution network with dispersed photovoltaic and wind power plants, APPLIED ENERGY, pp. 114 - 124, 2014	M21a
18	Ž. Đurišić, J. Mikulović, I. Babić, Impact of wind speed variations on wind farm economy in the open market conditions, RENEWABLE ENERGY, Vol. 46, pp. 289 - 296, Oct, 2012	M21
19	M. Đurić, Ž. Đurišić, Frequency measurement of distorted signals using Fourier and zero crossing techniques, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 78, No. 8, pp. 1407 - 1415, Aug, 2008	M21
20	T. Šekara, J. Mikulović, Ž. Đurišić, Optimal reactive compensators in power systems under asymmetrical and nonsinusoidal conditions , IEEE TRANSACTIONS ON POWER DELIVERY, Vol. 23, No. 2, pp. 974 - 984, Apr, 2008	M21

Collective data of scientific teacher activities

Total number of citations, without auto-citations	524	Number of local projects in which the teacher is currently participating	3
Total number of papers on the SCI (SSCI) list	36	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Đurović Željko
Teaching position	full professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	1994.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Specialization				
MSc/MA degree	1989.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1988.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Application of T² control charts and hidden Markov models in predictive maintenance of technical systems	Emilija Kisić	2015	2016
2	Thermal power plant boiler temperature distribution control based on extremum seeking strategy.	Aleksandra Marjanovič	2016	2017
3	Quantitative movement analysis in the rehabilitation of neurological disorders using vision and wearable sensors	Sofija Spasojević	2017	2018
4	State detection of rotating actuators based on acoustic signal analysis	Sanja Vujnović	2017	2017
5	Intelligent system for traffic management based on the application of fuzzy logic	Dejan Misović	2018	2019
6	Adaptive Technique in Target Tracking Systems	Asem Al-Hasaeri	2018	2020
7	Speaker identification in conditions of emotional speech	Milana Milošević	2018	2020
8	Optimization of automatic speech emotion recognition systems	Željko Nedeljković	2020	2021
9	Robust tracking of moving objects in thermal images	Nataša Vlahović	2020	2022
10	Decoding neural mechanisms using in silico and animal models for restoring somatosensory feedback with neuroprostheses	Natalija Katić	2022	2023

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	A. Stojić, G. Kvaščev, Ž. Đurović, An Assistive System for Thermal Power Plant Management, ENERGIES, Vol. 18, No. 2977, pp. 1-21, Jun, 2025. doi:10.3390/en18112977	M22
2	C. Вујновић, D. Cvetinović, V. Bakić, Ž. Đurović, Feature selection for coal heating level estimation in thermal power plants, THERMAL SCIENCE, Vol. 28, No. 4a, pp. 3121-3140, Jun, 2024.	M23
3	B. Папић, Ž. Đurović, A New Approach to Signal-to-Noise Ratio Estimation in Adaptive Doppler-Kalman Filter for Radar Systems, JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 33, No. 02, Jan, 2024. doi:10.1142/S0218126624500361	M23
4	S. Antić, M. Rosić, Ž. Đurović, M. Božić, Comparison of structured residuals design techniques for actuator and sensor fault detection and isolation in a permanent magnet DC motor, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), pp. 2087-2105, Jan, 2024. doi:10.1007/s00202-023-02021-z	M22
5	J. Kljajić, G. Kvaščev, Ž. Đurović, Reconstructing Nerve Structures from Unorganized Points, Applied Sciences, Vol. 13, No. 20, pp. 1-22, Oct, 2023. doi:10.3390/app132011421	M23

6	S. Milić, Ž. Đurović, M. Stojanović, Data science and machine learning in the IIoT concepts of power plants, International Journal of Electrical Power & Energy Systems, Vol. 145, No. 1, pp. 1-8, Feb, 2023.	M21
7	G. Kvaščev, Ž. Đurović, Water Level Control in the Thermal Power Plant Steam Separator Based on New PID Tuning Method for Integrating Processes, ENERGIES, Vol. 15, No. 17, pp. 6310-6326, Aug, 2022. doi:10.3390/en15176310	M22
8	C. Драшковић, Ž. Đurović, B. Петровић, Absolute finite differences based variable forgetting factor RLS algorithm, IET SIGNAL PROCESSING, pp. 1-12, Sep, 2021.	M22
9	N. Vlahović, Ž. Đurović, Robust tracking of moving objects using thermal camera and speeded up robust features descriptor, INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, pp. 1-18, Jan, 2021.	M21
10	Ž. Nedeljković, M. Milošević, Ž. Đurović, Analysis of Features and Classifiers in Emotion Recognition Systems: Case Study of Slavic Languages, ARCHIVES OF ACOUSTICS, Vol. 45, No. 1, pp. 129-140, Jan, 2020. doi:10.24425/aoa.2020.132489	M23
11	A. Marjanović, C. Вујновић, Ж. Ђуровић, One approach to temperature distribution control in thermal power plant boilers, AUTOMATIKA, Vol. 61, No. 2, pp. 273-283, 2020. doi:10.1080/00051144.2020.1733792	M23
12	A. Al-Hasaeri, A. Марјановић, П. Тадић, C. Вујновић, Ž. Đurović, Probability of detection and clutter rate estimation in target tracking systems: generalised maximum likelihood approach, IET RADAR SONAR AND NAVIGATION, Vol. 13, No. 11, pp. 1963-1973, Nov, 2019. doi:10.1049/iet-rsn.2019.0064	M22
13	M. Milošević, Ž. Nedeljković, U. Glavitsch, Ž. Đurović, Speaker Modeling Using Emotional Speech for More Robust Speaker Identification, JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, Vol. 64, No. 11, pp. 1256-1265, Sep, 2019. doi:10.1134/S1064226919110184	M23
14	S. Vujnović, A. Marjanović, Ž. Đurović, Acoustic contamination detection using QQ-plot based decision scheme, MECHANICAL SYSTEMS AND SIGNAL PROCESSING, Vol. 116, pp. 1-11, Feb, 2019. doi:10.1016/j.ymssp.2018.06.040	M21a
15	V. Stevanović, M. Ilić, Ž. Đurović, T. Wala, S. Muszynski, I. Gajić, Primary Control Reserve of Electric Power by Feedwater Flow Rate Change Through an Additional Economizer - A Case Study of the Thermal Power Plant "Nikola Tesla B", ENERGY, Vol. 147, pp. 782-798, Feb, 2018. doi:10.1016/j.energy.2018.01.102	M21a
16	A. Marjanović, M. Крстић, Ж. Ђуровић, Б. Ковачевић, Control of Thermal Power Plant Combustion Distribution Using Extremum Seeking, IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, Vol. 25, No. 5, pp. 1670-1682, 2017. doi:10.1109/TCST.2016.2627499	M21a
17	S. Antić, G. Kvaščev, Ž. Đurović, Application of Structured and Directional Residuals for Fault Detection and Isolation on Permanent-Magnet DC Motor with Amplifier, QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL, pp. 2601-2621, Feb, 2016. doi:10.1002/qre.1962	M22
18	D. Misović, S. Milić, Ž. Đurović, Vessel Detection Algorithm Used in a Laser Monitoring System of the Lock Gate Zone, IEEE TRANSACTIONS ON INTELLEIGENT TRANSPORTATION SYSTEMS., Vol. 17, No. 2, pp. 430-440, Feb, 2016. doi:10.1109/TITS.2015.2477352	M21a
19	S. Vujnović, Ž. Đurović, G. Kvaščev, Fan mill state estimation based on acoustic signature analysis, CONTROL ENGINEERING PRACTICE, Vol. 57, pp. 29-38, 2016. doi:10.1016/j.conengprac.2016.08.013	M21
20	E. Kisić, Ž. Đurović, Б. Ковачевић, V. Petrović, Application of T2 Control Charts and Hidden Markov Models in Condition Based Maintenance at Thermoelectric Power Plants, SHOCK AND VIBRATION, Vol. 2015, pp. 1-11, Oct, 2015. doi:10.1155/2015/960349	M22

Collective data of scientific teacher activities

Total number of citations, without auto-citations	943	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	38	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Dobrić Goran
Teaching position	associate professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power syste
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power syste
Specialization				
MSc/MA degree				
Master's degree	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power syste
Bachelor diploma	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power syste

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teache

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum

O.n.	Reference titles and authors	Category
1	Á. Rodríguez del Nozal, M. Barragán-Villarejo, F. de Paula García-López, G. Dobrić, J. Mauricio, J. Maza-Ortega, P. Stefanov, A model-less approach for the optimal coordination of renewable energy sources and DC links in low-voltage distribution networks, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 234, 2024	M21
2	M. Žarković, Г. Добрић, Artificial Intelligence for Energy Theft Detection in Distribution Networks, ENERGIES, Vol. 17, No. 1580, Mar, 2024	M22
3	Г. Добрић, M. Žarković, Towards Sustainable Energy Communities: Integrating Time-of-Use Pricing and Techno-Economic Analysis for Optimal Design—A Case Study of Valongo, Portugal, ENERGIES, Vol. 17, No. 14, Jul, 2024	M22
4	Г. Добрић, Z. Stojković, З. Стојановић, Experimental verification of monitoring techniques for metal-oxide surge arrester, IET GENERATION, TRANSMISSION AND DISTRIBUTION, Vol. 14, pp. 1021 - 1030, Jun, 2020	M21

5	A. Abed, G. Dobrić, Real-Time Optimization of Ancillary Service Allocation in Renewable Energy Microgrids Using Virtual Load, Applied Sciences, 2024	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	182	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	14	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Drajić Dejan
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	1999.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teache

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Big data system for cable operator network performance monitoring	Milan Simaković	2021	2023
2	The statistical analysis and machine learning techniques for optimizing capacity in mobile networks	Igor Tomić	2024	
3	The Efficient User Grouping Methods for Multi-Antenna Transmission in Next Generation of Mobile Networks	Đorđe Lukić	2024	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum

O.n.	Reference titles and authors	Category
1	I. Popović, I. Radovanović, I. Vajs, D. Drajić, N. Gligorić, Building Low-Cost Sensing Infrastructure for Air Quality Monitoring in Urban Areas Based on Fog Computing, SENSORS, Vol. 22, No. 3, pp. 1026 - 1047, Jan, 2022	M21
2	I. Vajs, D. Drajić, N. Gligorić, I. Radovanović, И. Поповић, Developing Relative Humidity and Temperature Corrections for Low-Cost Sensors Using Machine Learning, SENSORS, Vol. 21, No. 10, pp. 3338 - 3359, May, 2021	M21
3	N. Tošić, A. Samčović, D. Nikolić, D. Drajić, N. Lekić, An Algorithm for Detection of Electromagnetic Interference in High Frequency Radar Range- Doppler Images Caused by LEDs, IEEE ACCESS, pp. 84413 - 84419, Jun, 2019	M21
4	I. Kapetanidou, A. Nizamis, E. Karanastasis, G. Danciu, C. López, T. Kotsiopoulos, J. Gascón, J. Flor, R. Campbell, A. Liatifis, N. Khan, D. Drajić, S. Jarcau, V. Mocanu, M. Lopataru, H. Al kassir, D. Pliatsios, E. Chondrogiannis, A. Litke, S. Krco, S. Nechifor, U. Wajid, P. Sarigiannidis, P. Trakadas, K. Votis, Cognitive Computing Continuum: State-of-the-Art Review and ENACT Vision & Approach, JOURNAL OF GRID COMPUTING, Vol. 23, pp. 1 - 39, Aug, 2025	M21

5	R. Petrovic, D. Simic, D. Drajić, З. Чича, D. Nikolić, M. Peric, Designing Laboratory for IoT Communication Infrastructure Environment for Remote Maritime Surveillance in Equatorial Areas Based on Gulf of Guinea Field Experiences, SENSORS, Vol. 20, No. 20: 1349, pp. 1 - 21, Feb, 2020 doi:10.3390/s20051349	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	504	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	27	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Drašković Dražen
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Software Engineering
Specialization				
MSc/MA degree				
Master's degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Software Engineering
Bachelor diploma	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Software Engineering

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Predicting software defects using machine learning models optimized with metaheuristics	Tamara Živković	2023	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	D. Drašković, S. Milanović, Aspect-based sentiment analysis of user-generated content from a microblogging platform, Journal of Big Data, Vol. 12, No. 186, Jul, 2025. doi:10.1186/s40537-025-01244-0	M21A+
2	M. Ogrizović, D. Drašković, D. Bojić, Quality assurance strategies for machine learning applications in big data analytics: an overview, Journal of Big Data, Vol. 11, No. 156, Oct, 2024. doi:10.1186/s40537-024-01028-y	M21A+
3	D. Drašković, D. Zečević, B. Nikolić, Development of a Multilingual Model for Machine Sentiment Analysis in the Serbian Language, Mathematics, Vol. 10, No. 18, pp. 1-17, Sep, 2022.	M21A+
4	T. Živković, D. Drašković, B. Nikolić, Learning environments in software testing education: An overview, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 31, No. 6, pp. 1497-1521, Nov, 2023. doi:10.1002/cae.22657	M21

5	A. Milaković, D. Drašković, B. Nikolić, Visual Simulator for Mastering Fundamental Concepts of Machine Learning, Applied Sciences, Vol. 12, No. 24, pp. 1-22, Dec, 2022.	M21
6	D. Drašković, M. Cvetanović, B. Nikolić, SAIL - Software system for learning AI algorithms, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 26, No. 5, pp. 1195-1216, Jun, 2018. doi:10.1002/cae.21988	M22
7	D. Draskovic, M. Misic, Z. Stanisavljevic, Transition from traditional to LMS supported examining: A case study in computer engineering, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 24, No. 5, pp. 775-786, Sep, 2016. doi:10.1002/cae.21750	M22
8	D. Bojić, D. Drašković, Modernizing 90s Era Software to a New Language and Environment Using LLMs - An Empirical Investigation, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, Vol. 35, No. 8, pp. 1099-1119, May, 2025. doi:10.1142/S021819402550024X	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	343	Number of local projects in which the teacher is currently participating	3
Total number of papers on the SCI (SSCI) list	12	Number of international projects in which the teacher is currently participating	6

Professional training

He trained at the research and development centers of IBM (2007) and Google (2009).

Other relevant data

Associate Editor for the journal "Sustainable Computing: Informatics and Systems" (Elsevier, from December 2024.)

Chair of the Program Committee of the national conference YU INFO, organized by the Informatics Society of Serbia.

Co-chair of the Program Committee of the International Conference on Information Society and Technology (ICIST).

Member of the TELFOR Conference Program Committee, for the "Data Science" section.

Member of the International Institute of Engineers IEEE and the ACM world association.

The St. Sava Charter of the City of Smederevo for exceptional contributions to science and education (2020).

Holder of multiple professional certificates:
NVIDIA DLI Certificate – Fundamentals of Deep Learning ,
NVIDIA DLI Certificate – Fundamentals of Deep Learning for Multi-GPUs

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Dugić Miroljub
Teaching position	full professor
Narrow scientific (artistic) field	Quantum physics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2011.	University of Kragujevac - Faculty of Science	Physics	Quantum physics
Doctoral degree	1997	University of Kragujevac - Faculty of Science	Physics	
Specialization				
MSc/MA degree	1993	University of Belgrade - Faculty of Physics	Physics	
Master's degree				
Bachelor diploma	1985	University of Kragujevac - Faculty of Science	Physics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Dinamika kvantnih podsistema i korelacija u dvodelnim kanonskim strukturama	Momir Arsenijević	2015	2016
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	J. Jeknic-Dugic, M. Arsenijevic, M. Dugic, Int. J. Theoret. Phys. 63, 69 (2024)	M22
2	J. Jeknic-Dugic, M. Arsenijevic, M. Dugic, Braz J. Phys. 53, 58 (2023)	M22
3	I. Petrovic, J. Jeknic-Dugic, M. Arsenijevic, M. Dugic Phys. Rev. E 101, 012105 (2020)	M21a
4	J. Jeknic-Dugic, I. Petrovic, M. Arsenijevic, M. Dugic J. Phys.: Cond Matter 30, 195304 (2018)	M22
5	H. Kitada, J. Jeknic-Duguc, M. Arsenijevic, M. Dugic, Phys. Lett. A, 380, 3970 (2016)	M22
6	J. Jeknic-Dugic, M. Arsenijevic, M. Dugic, Proc. R. Soc. A 472 20160041 (2016)	M21
7	J. Jeknic-Dugic, M. Arsenijevic, M. Dugic, Proc. R. Soc. A, 470, 20140283 (2014)	M21
8	B. Dragovich, M. Dugic, J. Phys. A: Math. Gen. 38, 6603 (2005)	M21

9	M. Dugic, M. M. Cirkovic, Phys. Lett. A 302, 291 (2002)	M21
10	M. Dugic, Europhys. Lett. (EPL), 60, 7 (2002)	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	120	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	35	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	El Mezeni Dragomir
Teaching position	assistant professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree				
Master's degree	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Bachelor diploma	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	V. L. Petrović, M. M. Marković, D. M. El Mezeni, L. V. Saranovac, A. Radošević, Flexible High Throughput QC-LDPC Decoder with Perfect Pipeline Conflicts Resolution and Efficient Hardware Utilization, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Vol. 67, No. 12, pp. 5454 - 5467, Dec, 2020 doi:10.1109/TCSI.2020.3018048	M21
2	N. Filipović, D. El Mezeni, V. L. Petrović, Scalable 5G NR Rate-Matcher and Rate-Dematcher for Efficient Use in FPGA Accelerators, IEEE ACCESS, Vol. 13, pp. 38515 - 38532, Feb, 2025 doi:10.1109/ACCESS.2025.3546301	M21
3	V. L. Petrović, D. M. El Mezeni, A. Radošević, Flexible 5G New Radio LDPC Encoder Optimized for High Hardware Usage Efficiency, Electronics , Vol. 10, No. 9, pp. 1106.1 - 1106.24, May, 2021 doi:10.3390/electronics10091106	M22
4	D. El Mezeni, L. Saranovac, Fast guided filter for power-efficient real-time 1080p streaming video processing, JOURNAL OF REAL-TIME IMAGE PROCESSING, pp. 1 - 15, Jul, 2018 doi:10.1007/s11554-018-0802-z	M22

5	D. El Mezeni, L. Saranovac, Enhanced local tone mapping for detail preserving reproduction of high dynamic range images, JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, Vol. 53, pp. 122 - 133, May, 2018 doi:10.1016/j.jvcir.2018.03.007	M21
6	D. El Mezeni, L. Saranovac, Temporal adaptation control for local tone mapping operator, JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, Vol. 69, No. 4, pp. 261 - 269, Aug, 2018	M23
7	H. Turkmanović, I. Vajs, Z. Cica, D. El Mezeni, P. Ivaniš, L. Saranovac, Distributed AI-Driven Simulation Framework for Performance Evaluation of Hybrid Satellite–Terrestrial Network Access. Electronics. vol 14, no 7, March 2025	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	106	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	7	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Gavrovska Ana
Teaching position	associate professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Specialization				
MSc/MA degree				
Master's degree	completed 5-year program equivalent to master			
Bachelor diploma	2007. (5-year progra	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics, telecommunications and automatic

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	M. Milivojević, **A. Gavrovska**, “Cognitive Cardiac Assessment Using Low-Cost Electrocardiogram Acquisition System,” Electronics , Vol. 14, No. 12, pp. 1 - 26, 2468, June 2025, ISSN: 2079-9292, https://doi.org/10.3390/electronics14122468, IF(2024) 2.6	M22
2	**A. Gavrovska**, A. Samčović, D. Dujković, “No-Reference Image Quality Assessment Based on Machine Learning and Outlier Entropy Samples,” Pattern Recognition and Image Analysis, Springer Nature, Vol. 34, No. 2, pp. 275 - 287, June 2024, ISSN: 1054-6618, https://doi.org/10.1134/S105466182470007X , IF(2024) 0.5	M23
3	**A. Gavrovska**, “Effects on Long-Range Dependence and Multifractality in Temporal Resolution Recovery of High Frame Rate HEVC Compressed Content,” Applied Sciences, Cryptography and Information Security, Vol. 13, No. 17, 9851, pp. 1-26, ISSN: 2076-3417, August 2023, https://doi.org/10.3390/app13179851, IF(2023) 2.5	M21
4	**A. Gavrovska**, “Analysis of large-deviation multifractal spectral properties through successive compression for double JPEG detection,” Multimedia Tools and Applications - MTAP, 82, pp. 36255-36277, Sept. 2023, Springer US Print ISSN:1380-7501, Online ISSN:1573-7721, https://doi.org/10.1007/s11042-023-15130-5. IF(2023) 3.0	M21
5	G. Zajić, **A. Gavrovska**, I. Reljin and B. Reljin, "A video hard cut detection using multifractal features," Multimedia Tools and Applications - MTAP, pp. 1-20. July 2018. Springer US. Print ISSN:1380-7501, Online ISSN:1573-7721, https://doi.org/10.1007/s11042-018-6420-8. IF(2018) =2.101	M22

6	**A. Gavrovska**, G. Zajic, V. Bogdanovic, I. Reljin and B. Reljin, “Identification of S1 and S2 Heart Sound Patterns based on Fractal Theory and Shape Context,” Complexity, The Wiley Hindawi Partnership, John Wiley & Sons, Hindawi, Volume 2017, November 2017, Article ID 1580414, 9 pages, ISSN: 1076-2787 (Print), ISSN: 1099-0526 (Online), https://doi.org/10.1155/2017/1580414, IF(2017)=1.829	M21
7	**A. Gavrovska**, G. Zajic, V. Bogdanovic, I. Reljin, B. Reljin, "Paediatric heart sound signal analysis towards classification using multifractal spectrum," Physiological Measurement, IOP Publishing, 9, 37, pp. 1556-1572, Bristol, UK, August 2016. (Print ISSN: 0967-3334, Online ISSN:1361-6579, doi: 10.1088/0967-3334/37/9/1556), IF(2016): 2.058	M22
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	243	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	0

Professional training

Completed training and passed the final examination to obtain the IEEE Certificate for Instrumentation and Measurement from the IEEE International Measurement University in Trento. Holds CAE certificate - Cambridge Certificate in Advanced English. Different courses and training schools/workshops, such as: International Summer School MUMIAs, Olympics, Chalkidiki, Greece, in the field of search and indexing of text, audio and video information (COST Action Multimedia and Multifaceted Interactive Information Access (MUMIA) project; school leader: professor Michail Salampasis, PhD, Laboratory of Intelligent Systems, ATEI - Alexander Technological Education Institute in Thessaloniki, Greece), International HDRi Training School, Rennes, Brittany, France, in the field of high dynamic range in image processing, (COST Action "HDRi: High Dynamic Range Imaging (digital recording, storage, transmission and display of real-world lighting) "; school leader: professor Alan Chalmers, PhD, University of Warwick, United Kingdom), IEEE International Measurement University (Training School), Trento, Italy, (IEEE Instrumentation & Measurement Society; school leaders: professor Alessandro Ferrero, PhD, full professor at the Polytechnic Faculty of the University of Milan, professor Dario Petri, PhD, University of Trento, Italy), Huawei summer school 2010 (visiting Huawei exhibitions and getting acquainted with the work of Huawei Logistics Centers: Shenzhen, Shanghai, Hangzhou, Hong Kong), in the field of signal quality, image, and forensics, in collaboration with the National Academy of Sciences of Belarus (Prof. Dr. Valery Starovoitov), among others.

Other relevant data

Recipient of multiple distinguished awards and recognitions, including: the "Ilija Stojanović" award at the TELFOR conference, the Best Paper Award at the NEUREL conference, the Best Paper Award at the TELSIKS conference by the "Mirko Milić" foundation, a special recognition for paper quality at the INFOFEST Festival of IT Achievements in Budva, Montenegro, an IcETRAN conference award in 2019, the GRAND-PRIX award at the International Exhibition of Inventions, New Technologies, and Industrial Design in 2023, an award at the XIX International Exhibition of Inventions and New Technologies "NEW TIME" in Sevastopol in 2023, the ARCA 2023 award in Zagreb, the INVENT ARENA 2024 award in the Czech Republic, and others. In the last five years, the leader of two international projects and one national project funded by the relevant Ministry, in addition to participating in other projects.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Gojanović Jovana
Teaching position	associate professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Master's degree				
Bachelor diploma	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teache

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Influence of surface processes on the current–voltage characteristic of organic solar cells	Ali Khalf	2020	2021
2	Analysis and modeling of current-voltage characteristics of organic solar	Милан Станојевић	2024	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5,

O.n.	Reference titles and authors	Category
1	A. Khalf, J.Gojanović, N. Ćirović, S. Živanović, P. Matavulj, The Impact of Surface Processes on the J-V Characteristics of Organic Solar Cells, IEEE Journal of Photovoltaics, pp. 1 - 8, Jan, 2020 doi:10.1109/JPHOTOV.2020.2965401	M21
2	J. Vlahović, M. Stanojević, J. Gojanović, J. Melancon, A. Sharma, S. Živanović, Thickness dependent photocurrent spectra and current-voltage characteristics of the P3HT:PCBM photovoltaic devices, OPTICS EXPRESS, Vol. 29, No. 6, pp. 8710-1 - 8710-15, Mar, 2021 doi:10.1364/OE.418082	M21
3	M. Stanojević, J. Gojanović, S. Živanović, A cluster of bilayer diodes model for bulk heterojunction organic solar cells, OPTICAL AND QUANTUM ELECTRONICS, Vol. 55, No. 6, Apr, 2023 doi:10.1007/s11082-023-04781-1	M21
4	A. Kalf, J. Gojanović, J. Melancon, A. Sharma, S. Živanović, Surface recombination influence on photocurrent spectra of organic photovoltaic devices, OPTICAL AND QUANTUM ELECTRONICS, Vol. 54, pp. 653-1 - 653-10, Aug, 2022 doi:10.1007/s11082-022-03975-3	M22

5	N. Ćirović, A. Khalf, J. Gojanović, S. Živanović, Comparing three numerical methods for current-voltage characteristics simulations of organic solar cells considering surface recombination effects, OPTICAL AND QUANTUM ELECTRONICS, Vol. 54, No. 6, pp. - - - , May, 2022 doi:10.1007/s11082-022-03745-1	M22
6	A. Khalf, J. Gojanović, N. Ćirović, S. Živanović, Two different types of S-shaped J-V characteristics in organic solar cells, OPTICAL AND QUANTUM ELECTRONICS, Vol. 52, No. 2, pp. 121-1-10, Feb, 2020. doi:10.1007/s11082-020-2236-7	M22
7	M. Stanojević, J.Gojanović, P. Matavulj, S. Živanović, Organic solar cell physics analyzed by Shockley diode equation, OPTICAL AND QUANTUM ELECTRONICS, Vol. 52, No. 7, pp. 345-(10p), Jul, 2020. doi:10.1007/s11082-020-02459-6	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	47	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	13	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Grujić Dušan
Teaching position	assistant professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree				
Master's degree				
Bachelor diploma	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Power amplifiers in class A with simultaneous conjugate and large signal power matching at the output port	Milenko Milićević	2018	2019
2	Frequency synthesizer for integrated FMCW radar sensors in the millimeter-wave band	Ivan Milosavljević	2017	2020
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Grujić D. N., Simple and Accurate Approximation of Rough Conductor Surface Impedance, IEEE Transactions on Microwave Theory and Techniques, Vol. 70, No. 4, pp. 2053 - 2059, Apr, 2022, DOI: 10.1109/TMTT.2021.3137254, (M21, IF 2022 4.381)	M21
2	Grujić D. N., Comments on "Generalized Adaptive Polynomial Window Function", IEEE Access, Vol. 10, pp. 441 - 442, Dec, 2021, DOI: 10.1109/ACCESS.2021.3137287, (M21, IF 2021 3.745)	M21
3	Grujić D. N., Numerical Hilbert Transform Algorithm for Causal Interpolation of Functions Represented by Cubic and Exponential Splines, IEEE Access, Vol. 9, pp. 136702 - 136709, Oct, 2021, DOI: 10.1109/ACCESS.2021.3117978, (M21, IF 2021 3.745)	M21
4	Grujić D. N., Saranovac L., Multi-angle Constant Multiplier Givens Rotation Algorithm, Circuits, Systems, and Signal Processing, Vol. 38, No. 9, pp. 4229 - 4244, Sep, 2019, ISSN: 0278-081X, DOI: 10.1007/s00034-019-01060-x, (M22, IF 2017 1.998)	M22
5	Grujić D. N., Closed-Form Solution of Rough Conductor Surface Impedance, IEEE Transactions on Microwave Theory and Techniques, Vol. 66, No. 11, pp. 4677 - 4683, Aug, 2018, ISSN: 0018-9480, DOI: 10.1109/TMTT.2018.2864586, (M21, IF 2018 3.756)	M21

6	Milićević M., Milinković B., Grujić D., Saranovac L., Power and Conjugately Matched High Band UWB Power Amplifier, IEEE Transactions on Circuits and Systems I-Regular Papers, Vol. 65, No. 10, pp. 3138 - 3149, Mar, 2018, ISSN: 1549-8328, DOI: 10.1109/TCSI.2018.2815612, (M21, IF 2018 3.934)	M21
7	Grujić D. N., Numerical Hilbert Transform Algorithm for Causal Interpolation of Piecewise Polynomial Even and Odd Functions, IEEE Transactions on Microwave Theory and Techniques, Vol. 65, No. 6, pp. 2000 - 2008, Jun, 2017, ISSN: 0018-9480, DOI: 10.1109/TMTT.2016.2647721, (M21, IF 2017 3.176)	M21
8	Milićević M., Milinković B., Simić Đ., Grujić D., Saranovac L.: Temperature and process compensated RF power detector, Informacije MIDEM - Journal of microelectronics electronic components and materials, vol. 46, No. 1, pp. 24 - 28, Mar, 2016, ISSN: 0352- 9045, (M23, IF 2016 0.478)	M23
9	Grujić D., Božović M., Savić M.: BSIM4 to PSP Model Conversion: A Case Study, Jorunal of Circuits, Systems, and Computers, Vol. 25, No. 3, pp. 1640011-1 - 1640011-17, Mar. 2016, ISSN: 0218-1266, DOI: 10.1142/S0218126616400119, (M23, IF 2016 0.481)	M23
10	Milosavljević I., Grujić D., Simić Đ., Popović-Božović J.: Estimation and compensation of process-induced variations in capacitors for improved reliability in integrated circuits, Analog Integrated Circuits and Signal Processing, Springer US, vol. 81, no. 1, pp. 253-264, Oct. 2014, ISSN: 0925-1030, DOI: 10.1007/s10470-014-0390-1, (M23, IF 2014 0.468)	M23
11	Grujić D., Savić M., Bingöl C., Saranovac L.: 60 GHz SiGe:C HBT Power Amplifier with 17.4 dBm Output Power and 16.3% PAE, Microwave and Wireless Components Letters, IEEE, vol. 22, no. 4, pp. 194-196, Apr. 2012, ISSN: 1531-1309, DOI: 10.1109/LMWC.2012.2188623, (M21, IF 2012 1.784)	M21
12	Grujić D., Savić M., Popović-Božović J.: A Power Efficient Frequency Divider for 60 GHz Band, Microwave and Wireless Components Letters, IEEE , vol. 21, no. 3, pp. 148-150, Mar. 2011, ISSN: 1531-1309, DOI: 10.1109/LMWC.2010.2103357, (M21, IF 2011 1.717)	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	58	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	12	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Gvozdić Dejan
Teaching position	full professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Doctoral degree	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Specialization				
MSc/MA degree	1992.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Master's degree				
Bachelor diploma	1989.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Modelling of semiconductor optical amplifiers for optical access networks	Angelina Totović	2017	2018
2	Statical and dynamical characteristics of injection-locked Fabry-Perot laser diodes	Marko Krstić	2014	2016
3	Light propagation in deterministic aperiodic waveguide arrays	Nemanja Lučić	2015	2016
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	J. Crnjanski, M. Krstić, A. Totović, N. Pleros, D. Gvozdić, Adaptive sigmoid-like and PReLU activation functions for all-optical perceptron, Optics Letters, vol. 46, pp. 2003 - 2006, 2021.	M21
2	D. M. Gvozdić, A. R. Totović, J. V. Crnjanski, M. M. Krstić, S. A. Gebrewold, J. Leuthold, M. L. Mašanović, Self-Seeded RSOA Fiber Cavity Laser and the Role of Rayleigh Backscattering - An Analytical Model, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 35, No. 22, pp. 4845 - 4850, Nov, 2017	M21
3	M. Banović, P. Atanasijević, A. Prapas, C. Pappas, J. Crnjanski, A. Tsakyridis, M. Moralis-Pegios, K. Vyrsokinos, M. Lović, N. Zdravković, M. Mićić, M. Krstić, S. Petričević, N. Pleros, D. Gvozdić, All-optical high-speed programmable nonlinear activation functions using a Fabry–Pérot laser, APL PHOTONICS, Vol. 10, No. 10, Oct, 2025.	M21a
4	M. Krstić, A. Delmade, J. Crnjanski, L. Barry, D. Gvozdić, Single laser dual optical frequency comb generation, OPTICS EXPRESS, Vol. 33, No. 20, pp. 43026-43035, 2025.	M21
5	A. Totović, J. Crnjanski, M. Krstić, D. Gvozdić, Numerical Study of the Small-Signal Modulation Bandwidth of Reflective and Traveling-Wave SOAs, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 33, No. 13, pp. 2758-2764, Jul, 2015.	M21a
6	Amol Delmade, Marko Krstić, Colm Browning, Jasna Crnjanski, Dejan Gvozdić, Liam Barry, Power efficient optical frequency comb generation using laser gain switching and dual-drive Mach-Zehnder modulator, OPTICS EXPRESS, Vol. 27, No. 17, pp. 24135 - 24146, Aug, 2019	M21
7	T. Pinto, U. C. de Moura, F. Da Ros, M. Krstić, J. Crnjanski, A. Napoli, D. Gvozdić, D. Zibar, Optimization of frequency combs spectral-flatness using evolutionary algorithm, OPTICS EXPRESS, Vol. 29, No. 15, pp. 23447 - 23460, 2021	M21

8	J. Babić, A. Totović, J. Crnjanski, M. Krstić, M. Mašanović, D. Gvozdić, Enhancement of the MQW-RSOA's Small-Signal Modulation Bandwidth by Inductive Peaking, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 37, No. 9, pp. 1981 - 1989, May, 2019	M21
9	J. Babić, A. Totović, J. Crnjanski, M. Krstić, M. Mašanović, D. Gvozdić, Exploiting Inductive Peaking for Enhancing the RSOA's Large-Signal Modulation Performance, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 39, No. 11, pp. 3502-3510, Mar, 2021.	M21
10	M. Banović, J. Crnjanski, M. Krstić, D. Gvozdić, Performance Enhancement of Reservoir Computing Based on Fabry-Pérot Laser as All-Optical Reconfigurable Nonlinear Node, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 42, No. 22, pp. 7785-7794, Nov, 2024.	M21
11	J. Crnjanski, I. Teofilović, M. Krstić, D. Gvozdić, Application of a reconfigurable all-optical activation unit based on optical injection into a bistable Fabry–Perot laser in multilayer perceptron neural networks, OPTICS LETTERS, Vol. 49, pp. 1153-1156, 2024.	M21
12	M. Banović, P. Atanasijević, M. Krstić, P. Mihailović, J. Crnjanski, S. Petričević, D. Gvozdić, Reconfigurable all-optical bistability/tristability in dual injection-locked Fabry–Perot laser diodes, OPTICS LETTERS, Vol. 48, No. 15, pp. 4165-4168, Aug, 2023.	M21
13	M. Krstić, J. Crnjanski, M. Banović, I. Vasiljević, D. Gvozdić, Generation of a dual optical frequency comb by large signal modulation of a semiconductor laser, OPTICS LETTERS, Vol. 46, No. 19, pp. 4920-4923, 2021.	M21
14	M. Krstić, J. Crnjanski, A. Totović, D. Gvozdić, Switching of Bistable Injection-Locked Fabry–Pérot Laser by Frequency Detuning Variation, IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 21, No. 6, pp. 1801509-1801509-9, Dec, 2015.	M21
15	V. Topić, J. Crnjanski, M. Krstić, A. Totović, D. Gvozdić, Analytical Method for Calculation of the Photon Lifetime and External Coupling Coefficient in Index-Coupled Phase-Shifted DFB Lasers, IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 21, No. б, pp. 1503209-1503209-9, Dec, 2015.	M21
16	N. Kamaraju, W. Pan, U. Ekenberg, D. Gvozdić, S. Boubanga-Tombet, P. Upadhya, J. Reno, A. Taylor, R. Prasankumar, Terahertz magneto-optical spectroscopy of a two-dimensional hole gas, APPLIED PHYSICS LETTERS, Vol. 106, pp. 031902-031902-4, Jan, 2015.	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	407	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	62	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Dean of the School of Electrical Engineering – University of Belgrade, from January 2022 to October 2024.

Member of the Academy of Engineering Sciences of Serbia since 2025.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Ilić Milan
Teaching position	full professor
Narrow scientific (artistic) field	Electromagnetism, antennas and microwaves

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetism, antennas and microwaves
Doctoral degree	2003.	Massachusetts University Dortmouth USA		
Specialization				
MSc/MA degree	2000.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	RECONFIGURABLE AND TUNABLE EFFICIENT POWER AMPLIFIERS FOR TRANSMITTERS IN TELECOMMUNICATION DEVICES	Branko Bukvić	2015	2017
2	B-SPLINE HEXAHEDRAL ELEMENTS FOR 3D ELECTROMAGNETIC MODELING	Miloš Davidović	2014	2015
3	CURVED CONTINUOUSLY INHOMOGENEOUS AND ANISOTROPIC HIGHER ORDER FINITE ELEMENTS FOR LARGE-DOMAIN ELECTROMAGNETIC MODELING	Slobodan Savić	2014	2015

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	J. Z. Trajković, S. V. Savić, M. M. Ilić, A. Ž. Ilić, “Transmission and attenuation of the millimetre-wave OAM beams through the tissue layer,” European Physical Journal Special Topics, September 2025.	M21
2	A. Ilić, J. Trajković, S. Savić, and M. Ilić, “Investigation of the OAM EM wave tissue irradiation at millimeter-wave frequencies,” Applied Radiation and Isotopes, vol. 207, no. 111261, pp. 1-8, February 2024.	M22
3	K. M. Labus, J. Wolynski, J. Easely, H. L. Stewart, M. M. Ilic, B. M. Notaros, T. Zagrocki, C. M. Puttlitz, K. C. McGilvray, “Employing Direct Electromagnetic Coupling to Assess Acute Fracture Healing: An Ovine Model Assessment,” Injury: International Journal of the Care of	M21
4	A. Ž. Ilić, N. M. Vojnović, S. V. Savić, E. Grass, and M. M. Ilić, “Optimized planar printed UCA configurations for OAM waves and the associated OAM mode content at the receiver,” International Journal of Communication Systems, e5623, Wiley, (18pp), 2023.	M22
5	A. Ž. Ilić, J. Z. Trajković, S. V. Savić, and M. M. Ilić, “Near-field formation of the UCA-based OAM EM fields and short-range EM power flux profiles,” Journal of Physics A: Mathematical and Theoretical, 56, 255701 (19pp), 2023.	M21
6	A. Z. Golubović, S. V. Savić, A. Ž. Ilić, and M. M. Ilić, “Short-Range Transmission using OAM-Carrying Waves Generated by Uniform Circular Arrays,” AEU - International Journal of Electronics and Communications, AEUE 154643, 2023.	M22
7	B. Bukvić and M. M. Ilić, "An Octave Bandwidth Class-J Power Amplifier with Second Harmonic Termination Control,” AEU - International Journal of Electronics and Communications, 154564, 2023.	M22
8	J. G. Wolynski, M. M. Ilić, K. M. Labus, B. M. Notaroš, C. M. Puttlitz, and K. C. Mcgilvray, "Direct electromagnetic coupling to determine diagnostic bone fracture stiffness," Annals of Translational Medicine, vol. 10, no. 9:510, May 2022.	M22

9	J. G. Wolynski, M. M. Ilić, B. M. Notaroš, K. M. Labus, C. M. Puttlitz, and K. C. Mcgilvray, "Vivaldi Antennas for Contactless Sensing of Implant Deflections and Stiffness for Orthopaedic Applications," IEEE Access, vol. 10, pp. 1151-1161, 2022.	M21
10	A. Ž. Ilić, B. M. Bukvić, M. Stojiljković, A. Skakić, S. Pavlović, S. P. Jovanović, and M. M. Ilić, "Planar Printed Electrodes for Electroporation with High EM Field Homogeneity," Journal of Physics D: Applied Physics, 128226.	M21
11	J. G. Wolynski, K. M. Labus, J. T. Easley, B. M. Notaroš, M. M. Ilić, C. M. Puttlitz, and K. C. McGilvray, "Diagnostic prediction of ovine fracture healing outcomes via a novel multi-location direct electromagnetic coupling antenna," Annals of Translational Medicine, vol. 9,	M22
12	S. V. Savić, M. M. Ilić and B. M. Kolundzija, "Maximally Orthogonalized Higher Order Basis Functions in Large-Domain Finite Element Modeling in Electromagnetics," IEEE Transactions on Antennas and Propagation, February, 2019.	M21
13	M. Radovanović, B. Bukvić, S. Tasić, and M. Ilić, "Circuit Modeling of Coaxial Cable Baluns in Microstrip-Mounted High Power VHF Amplifiers [Application Notes]," IEEE Microwave Magazine, vol. 20, no. 10, pp. 16-25, Oct. 2019.	M21
14	A. Ž. Ilić, B. M. Bukvić, D. Budimir, and M. M. Ilić, "Design methodology for graphene tunable filters at the sub–millimeter–wave frequencies," Solid-State Electronics, vol. 157, pp. 34-41, S0038-1101(18)30590-2, July 2019.	M22
15	K. M. Labus, C. Sutherland, B. M. Notaros, M. M. Ilic, G. Chaus, D. Keiser, and C. M. Puttlitz, "Direct Electromagnetic Coupling for Non Invasive Measurements of Stability in Simulated Fracture Healing," Journal of Orthopaedic Research, 2019.	M21
16	B. Troksa, C. Key, F. Kunkel, S. Savić, M. Ilić, B. Notaroš, "Ray Tracing Using Shooting-Bouncing Technique to Model Mine Tunnels: Theory and Verification for a PEC Waveguide,"Applied Ccomputational Electromagnetics Society Journal (ACES Journal), 2019.	M23
17	K. M. Labus, B. M. Notaroš, M. M. Ilić, C. J. Sutherland, A. Holcomb, and C. M. Puttlitz, "A Coaxial Dipole Antenna for Passively Sensing Object Displacement and Deflection for Orthopaedic Applications," IEEE Access, vol. 6, no. I, pp. 68184-68194, December 2018.	M21
18	. S. Athalye, M. M. Ilić, and B. M. Notaroš, "Full-Wave Modeling of RF Exciters Using WIPL-D: Road to Real-Time Simulation and Optimization," Aces Journal, vol. 33, no. 10, pp. 1156-1158, October 2018.	M23
19	M. M. Ilić and B. M. Notaroš, "Slotted Waveguide Array RF Coil for Ultra-High-Field MRI," Concepts in Magnetic Resonance Part B: Magnetic Resonance Engineering, pp. e21367, June 2018.	M23
20	S. V. Savić, M. M. Ilić, and A. R. Djordjević, "Design of Internal Wire-Based Impedance Matching of Helical Antennas Using an Equivalent Thin-Wire Model," International Journal of Antennas and Propagation , vol. 2017, Article ID 7365793, 5 pages, December 2017.	M23

Collective data of scientific teacher activities

Total number of citations, without auto-citations	799	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	55	Number of international projects in which the teacher is currently participating	2

Professional training

University of Massachusetts - Dartmouth, Colorado State University

Other relevant data

B. M. Notaroš and M. M. Ilić, "Slotted waveguide array RF coil for magnetic resonance systems," United States Patent, Patent no: US 11313929 B2, April 26, 2022. (US Patent Document: US11313929; M91; US Patent Office Link: US11313929)

B. M. Notaroš, M. M. Ilić, A. A. Tonyushkin, N. J. Sekeljic, and P. S. Athalye, "Subject-loaded helical-antenna radio-frequency coil for magnetic resonance imaging," United States Patent, Patent no: US010473736B2, November 12, 2019. (US Patent Document: US10473736; M91; Google Patent Link: US10473736)

A. Ž. Ilić, M. M. Ilić, S. Jovanović, B. Bukvić, M. Stojiljković, S. Pavlović, and A. Skakić,
"Planar printed biomedical electrode with high electric field homogeneity for electroporation", in Serbian language, Regisetred patent no: 1712 U1, after application MP-2020/0055 from 23.09.2020., Belgrade 01.07.2021. (Registered Patent #1712U1; M92)

IEEE Microwave Prize Award - 2005

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Iričanin Bratislav
Teaching position	associate professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2009.	University of Novi Sad - Faculty of Science and Mathematics	Mathematics	Mathematical Analysis
Specialization				
MSc/MA degree	1998.	University of Belgrade - School of Electrical Engineering	Applied Mathematics	Mathematical Analysis
Master's degree				
Bachelor diploma	1990.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Technical Physics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	S. Stević, B. Iričanin, W. Kosmala, Z. Šmarda, Note on a solution form to the cyclic bilinear system of difference equations, APPLIED MATHEMATICS LETTERS, Vol. 111, No. 1, pp. 1 - 8, Jan, 2021 doi:10.1016/j.aml.2020.106690	M21a+
2	S. Stević, B. Iričanin, Z. Šmarda, On a symmetric bilinear system of difference equations, APPLIED MATHEMATICS LETTERS, Vol. 89, pp. 15 - 21, Mar, 2019 doi:10.1016/j.aml.2018.09.006	M21a
3	A. Ahmed, B. Iričanin, W. Kosmala, S. Stević, Z. Šmarda, Note on constructing a family of solvable sine-type difference equations, ADVANCES IN DIFFERENCE EQUATIONS, Vol. 2021, No. 194, pp. 1 - 11, Apr, 2021 doi:10.1186/s13662-021-03348-2	M21a+
4	S. Stević, B. Iričanin, W. Kosmala, Z. Šmarda, Note on some representations of general solutions to homogeneous linear difference equations, ADVANCES IN DIFFERENCE EQUATIONS, Vol. 2020, No. 486, pp. 1 - 13, Sep, 2020 doi:10.1186/s13662-020-02944-y	M21a+
5	S. Stević, B. Iričanin, W. Kosmala, Z. Šmarda, Solvability of a class of hyperbolic-cosine-type difference equations, ADVANCES IN DIFFERENCE EQUATIONS, Vol. 2020, No. 564, pp. 1 - 12, Oct, 2020 doi:10.1186/s13662-020-03027-8	M21a+

6	Fuzzy graph and nonlinear models for medical image segmentation, I Ibrišimović, NM Ralević, BD Iričanin, A Blesić, Applicable Analysis and Discrete Mathematics, 19(3), 2025, 694-726.	M21a
7	SOLVABILITY OF A NONLINEAR DIFFERENCE EQUATION OF THE FIFTEENTH ORDER, S Stević, B Iričanin, W Kosmala, Journal of Mathematical Inequalities, 18(3), 2024, 1159–1170.	M21a+
8	On a family of nonlinear difference equations of the fifth order solvable in closed form, S Stevic, B Iricanin, W Kosmala, AIMS Mathematics 8 (10), 2023, 22662–22674.	M21a+
9	Solvability of a nonlinear fifth order difference equation, S Stević, B Iričanin, W Kosmala, Z Šmarda, MATHEMATICAL METHODS IN THE, APPLIED SCIENCES, Vol. 2019, pp. 1 - 15, Jan, 2019.	M21
10	Pseudo-linear combination of fuzzy metrics, NM Ralević, BD Iričanin, D Ćebić, Publications de l'Institut Mathematique 116 (130), 2024, 35-53.	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	1700	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	72	Number of international projects in which the teacher is currently participating	0

Professional training
Department of Mathematics, Faculty of Electrcal Engineerig and Communicational Technology, Technical University in Brno, Czeck Republic (EU).
Other relevant data
h factor 22
Two times Belgrade October Awards, 1984 and 1990

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Ivaniš Predrag
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Telecommunications
Doctoral degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Digital Transmition of Information
Master's degree				
Bachelor diploma	1999.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics, Telecommunications and Automatic Control

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the p

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Optimization of Cognitive Systems with Controlled Interference Level by Using Multi-Antenna Techniques with Adaptive Power Control	Vesna Blagojević	2012	2014
2	Low Complexity Decoding Algorithms Suitable for Application in Asymmetric Cryptosystems	Omran Al Rasheed	2015	2016
3	Performance Analysis of Cognitive Telecommunication Systems with Controlled Interference Level and Imperfect Channel Knowledge	Jiana Jarrouj	2016	2016
4	Reconstruction of Vehicle Trajectory in Crash by Integrating Satellite and Inertial Navigation	Srđan Tadić	2015	2016
5	Decoding of Low Density Parity Check Codes in the Presence of Logic Gate Failures	Srđan Brkić	2015	2017
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	S. Brkić, P. Ivaniš, B. Vasić, Majority Logic Decoding Under Data-Dependent Logic Gate Failures, IEEE TRANSACTIONS ON INFORMATION THEORY, Vol. 63, No. 10, pp. 6295 - 6306, Oct, 2017.	M21
2	P. Ivaniš, B. Vasić, Error Errore Eicitur: A Stochastic Resonance Paradigm for Reliable Storage of Information on Unreliable Media, IEEE TRANSACTIONS ON COMMUNICATIONS, Vol. 64, No. 9, pp. 3596 - 3608, Sep, 2016 doi:10.1109/TCOMM.2016.2590547	M21
3	S. Brkić, P. Ivaniš, B. Vasić, Adaptive Gradient Descent Bit-Flipping Diversity Decoding, IEEE COMMUNICATIONS LETTERS, Vol. 26, No. 10, pp. 2257 - 2261, Oct, 2022 doi:10.1109/LCOMM.2022.3195026	M22

4	G. Djordjevic, M. Petkovic, J. Anastasov, P. Ivaniš, Z. Marjanovic, On the effects of correlation on outage performance of FSO unbalanced multibranch SC receiver, IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 28, No. 12, pp. 1348 - 1351, Jun, 2016.	M21
5	S. Tadić, R. Stančić, L. Saranovac, P. Ivaniš, Vehicle Collision Reconstruction With 3-D Inertial Navigation and GNSS, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. 66, No. 1, pp. 14 - 23, Jan, 2017.	M21
6	S. Brkic, P. Ivanis, B. Vasic, Reliability of Memories Built from Unreliable Components under Data-Dependent Gate Failures, IEEE COMMUNICATIONS LETTERS, Vol. 19, No. 12, pp. 2098 - 2101, Dec, 2015.	M22
7	V. Blagojević, A. Cvetković, P. Ivaniš, Performance analysis of energy harvesting DF relay system in generalized-K fading environment, PHYSICAL COMMUNICATION, Vol. 28, pp. 190 - 200, Jun, 2018.	M22
8	P. Ivaniš, V. Blagojevi, J. Anastasov, G. Djordjevic, Performance of Spectrum Sharing System in Gamma Shadowed Nakagami-m Fading Environment, WIRELESS PERSONAL COMMUNICATIONS, Vol. 86, No. 3, pp. 1717 - 1729, Feb, 2016.	M23
9	S. Brkić, P. Ivaniš, A. Radošević, Faster than Nyquist signaling with limited computational resources, PHYSICAL COMMUNICATION, Vol. 47, pp. 1 - 12, Aug, 2021.	M22
10	P. Ivaniš, S. Brkić, B. Vasić, Suspicion Distillation Gradient Descent Bit-Flipping Algorithm, ENTROPY, Vol. 24, No. 4, pp. 558 - 558, Apr, 2022	M22
11	P. Ivaniš, J. Milojković, V. Blagojević, S. Brkić, Capacity Analysis of Hybrid Satellite–Terrestrial Systems with Selection Relaying, ENTROPY, Vol. 26, No. 5, pp. 419 - 419, May, 2024	M22
12	J. Milojković, S. Brkić, P. Ivaniš, B. Vasić, Generalized Adaptive Diversity Gradient Descent Bit-Flipping with a Finite State Machine, ENTROPY, Vol. 27, No. 1, Jan, 2025	M22
13	I. Tomić, E. Bleakley, P. Ivaniš, Predictive Capacity Planning for Mobile Networks—ML Supported Prediction of Network Performance and User Experience Evolution, ELECTRONICS , Vol. 11, No. 4, pp. 626 - 626, Feb, 2022	M22
14	I. Tomić, D. Drajić, P. Ivaniš, U. Savković, D. Tešić, A. Loric, Optimized DM-RS Configuration for Improved 5G New Radio Network Capacity and Performance, ELECTRONICS , Vol. 13, No. 11, 2028, pp. 1 - 16, May, 2024	M22
15	I. Vajs, S. Brkić, P. Ivaniš, D. Drajić, Neural network SNR prediction for improved spectral efficiency in land mobile satellite networks, ELECTRONICS , Vol. 13, No. 18, 3659, pp. 1 - 24, Sep, 2024	M22
16	I. Radojković, J. Anastasov, D. Milić, P. Ivaniš, G. Đorđević, Secrecy Analysis of LEO Satellite-to-Ground Station Communication System Influenced by Gamma-Shadowed Ricean Fading, ELECTRONICS , Vol. 14, No. 2, Jan, 2025	M22
17	H. Turkmanović, I. Vajs, Z. Čiča, D. El Mezeni, P. Ivaniš, L. Saranovac, Distributed AI-Driven Simulation Framework for Performance Evaluation of Hybrid Satellite–Terrestrial Network Access, ELECTRONICS , Vol. 14, No. 7, Mar, 2025	M22
18	N. Kozić, V. Blagojević, P. Ivaniš, Performance Analysis of Underlay Cognitive Radio System with Self-Sustainable Relay and Statistical CSI, SENSORS, Vol. 21, No. 11, pp. 3727 - 3747, May, 2021	M21
19	N. Kozić, V. Blagojević, A. Cvetković, P. Ivaniš, Performance Analysis of Wirelessly Powered Cognitive Radio Network with Statistical CSI and Random Mobility, SENSORS, Vol. 23, No. 9, May, 2023.	M21
20	V. Blagojević, N. Kozić, A. Cvetković, P. Ivaniš, Secrecy outage performance analysis of wirelessly powered IoT system with randomly moving receiving nodes, SENSORS, Vol. 25, No. 5, pp. 1386 - 1403, Feb, 2025.	M21

Collective data of scientific teacher activities

Total number of citations, without auto-citations	331	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	35	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Vice Dean for Academic Affairs of School of Electrical Engineering, 2015-2021.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Janković Milica
Teaching position	full professor
Narrow scientific (artistic) field	Biomedical Engineering

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Biomedical Engineering
Doctoral degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Biomedical Engineering
Specialization				
MSc/MA degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	System control
Master's degree				
Bachelor diploma	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automatics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the p

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Kinematic analysis of handwriting in neurological, psychiatric and neurodevelopmental disorders of childhood and adolescence	Nikola Ivančević	2020	2021
2	An evaluation of gait parameters after the utilization of novel multi-pad functional electrical stimulation in stroke patients	Suzana Dedijer Dujović	2021	2022
3	Spectral, biotic and fractal analysis of eeg and ecg signals in experimental models of myocardial infarction and epilepsy	Marko Vorkapić	2019	2024
4	Development and testing of the method for quantified assessment of spasticity	Antonina Aleksić	2020	2022
5	Human gait objectivization using the principal component analysis from the signals of foot dynamics	Marija Gavrilović	2021	2023
6	Decoding neural mechanisms using in silico and animal models for restoring somatosensory feedback with neuroprostheses	Natalija Katić	2022	2023
7	In-silico modeling methods used for peripheral intraneural stimulation planning	Jelena Kljajić	2022	2024
8	Intelligent systems for the detection of dyslexic eye movement patterns during reading in the Serbian language	Ivan Vajs	2023	2023

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	T. Jakovljević, M. Janković, A. Savić, I. Soldatović, P. Todorović, T. Jere Jakulin, G. Papa, V. Ković, The Sensor Hub for Detecting the Developmental Characteristics in Reading in Children on a White vs. Colored Background/Colored Overlays, Sensors, vol. 21, no. 2, pp. 406.1 - 406.14, 2021, IF2021=3.847, ISSN 1424-8220, doi: 10.3390/s21020406	M21
2	R. Kumari, M. M. Janković, A. Costa, A. Savić, O. Djordjević, L. Konstantinović, A. Vučković, Short term priming effect of brain-actuated muscle stimulation using bimanual movements in stroke, Clinical Neurophysiology, vol. 138, pp. 108 - 121, 2022, IF2022= 4.7, ISSN 1388-2457, doi: 10.1016/j.clinph.2022.03.002.	M21
3	T. Radović, M. Janković, R. Stević, B. Spasojević, M. Cvetković, P. Pavićević, I. Gojković, M. Kostić, Detection of impaired renal allograft function in paediatric and young adult patients using arterial spin labelling MRI (ASL-MRI), Scientific Reports, vol. 12, pp. 828 - 839, 2022, IF2021=4.997, ISSN 2045-2322, doi: 10.1038/s41598-022-04794-y.	M21
4	T. Radović, B. Spasojević, M. Cvetković, G. Miloševski-Lomić, M. Janković, I. Gojković, P. Pavićević, Longitudinal assessment of renal allograft function in donors and pediatric recipients by arterial spin labeling MRI perfusion quantification, Scientific Reports, Vol. 15, No. 38809, pp. 1 - 11, 2025, IF2024=3.9, ISSN 2045-2322, doi: 10.1038/s41598-025-22660-5.	M21
5	V. Džepina, N. Ivančević, S. Rosić, B. Nikolić, D. Stevanović, J. Jančić, Milica M. Janković, Detection of Psychomotor Retardation in Youth Depression: A Machine Learning Approach to Kinematic Analysis of Handwriting, Applied Sciences, Vol. 15, No. 14, pp. 1 - 22, Jul, 2025, IF2024=2.5, ISSN 2076-3417, doi: 10.3390/app15147634	M21
6	M. Gavrilović, M. M. Janković, Temporal Synergies Detection in Gait Cyclograms Using Wearable Technology, Sensors, vol. 22, no. 7, pp. 2728-1 - 2728-18, Apr, 2022, IF2021=3.847, ISSN 1424-8220, doi: 10.3390/s22072728	M21

7	I. Vajs, V. Ković, T. Papić, A. M. Savić, M. M. Janković, “Spatiotemporal Eye-Tracking Feature Set for Improved Recognition of Dyslexic Reading Patterns in Children,” Sensors, vol. 22, no. 13, 2022, IF2021=3.847, ISSN 1424-8220, doi: 10.3390/s22134900	M21
8	M. Radmilović, D. Urukalo, M. M. Janković, S. Dedijer Dujović, T. J. Dimkić Tomić, M. Trumić, K. Jovanović, Elbow Joint Stiffness Functional Scales Based on Hill’s Muscle Model and Genetic Optimization, Sensors, vol. 23, no. 3, pp. 1 - 22, 2023, IF2021=3.847, ISSN 1424-8220, doi: 10.3390/s23031709	M21
9	V. Petrović, M.M. Janković, A. Lupšić, V. Mihajlović, J. Popović-Božović, High-Accuracy Real-Time Monitoring of Heart Rate Variability Using 24 GHz Continuous-Wave Doppler Radar, IEEE ACCESS, Vol. 7, pp. 74721-74733, Jun, 2019, IF2018=4.098, ISSN 2169-3536, doi: 10.1109/ACCESS.2019.2921240	M21
10	N. Malešević, V. Petrović, M. Belić, C. Antfolk, V. Mihajlović, M. Janković, Contactless Real-Time Heartbeat Detection via 24 GHz Continuous-Wave Doppler Radar Using Artificial Neural Networks, Sensors, Vol. 20, No. 8, pp. 2351.1 - 2351.16, Apr, 2020, IF2018=3.031, ISSN 1424-8220, doi: 10.3390/s20082351.	M21
11	M. Vorkapić, A. Savić, M. Janković, N. Useinović, M. Isaković, N. Puškaš, O. Stanojlović, D. Hrnčić, Alterations of medial prefrontal cortex bioelectrical activity in experimental model of isoprenaline-induced myocardial infarction, PLoS One, Vol. 15, No. 5, pp. 1-16, May, 2020, IF2018=2.776, ISSN 1932-6203, doi: 10.1371/journal.pone.0232530	M21
12	I. A. Vajs, G. S. Kvaščev, T. M. Papić, M. M. Janković, “Eye-Tracking Image Encoding: Autoencoders for the Crossing of Language Boundaries in Developmental Dyslexia Detection,” IEEE Access, vol. 11, pp. 3024–3033, 2023, ISSN 2169-3536, IF2023=3.4, doi: 10.1109/ACCESS.2023.3234438	M22
13	I. Vajs, T. Papić, V. Ković, A. M. Savić, M. M. Janković, “Accessible Dyslexia Detection with Real-Time Reading Feedback through Robust Interpretable Eye-Tracking Features,” Brain Sciences, vol. 13, no. 3, p. 405, 2023, ISSN 2076-3425, IF2022=3.3, doi: 10.3390/brainsci13030405	M22
14	T. Jakovljević, M. Janković, A. Savić, I. Soldatović, I. Mačužić, T. Jere Jakulin, G. Papa, V. Ković, The effect of colour on reading performance in children, measured by a sensor hub: From the perspective of gender, PLoS One, vol. 16, no. 6, pp. 1 - 15, 2021, IF2021=3.752, ISSN 1932-6203, doi: 10.1371/journal.pone.0252622	M22
15	T. Jakovljević, M. Janković, A. Savić, I. Soldatović, G. Čolić, T. Jere Jakulin, G. Papa, V. Ković, The Relation between Physiological Parameters and Colour Modifications in Text Background and Overlay during Reading in Children with and without Dyslexia, Brain Sciences, vol. 11, no. 5, pp. 539 - 558, 2021, IF2020=3.394, ISSN 2076-3425, doi: 10.3390/brainsci11050539	M22
16	O. Durutović, A. Filipović, K. Milićević, B. Somani, E. Emiliani, A. Skolarikos, M. M. Janković, 3D Imaging Segmentation and 3D Rendering Process for a Precise Puncture Strategy During PCNL – a Pilot Study, Frontiers in Surgery, vol. 9, no. 891596, pp. 1 - 7, 2022, IF2021=2.568, ISSN 2296-875X, doi: 10.3389/fsurg.2022.891596	M22
17	Radulović, M., Beatović, S., Janković, M., Šobić-Šaranović, D., Artiko, V., Ajdinović, B, Diuresis renography and ultrasonography in children with antenatally detected hydronephrosis can support diagnoses and suggest related surgery treatment, Hellenic Journal of Nuclear Medicine Supplement, vol. 20, pp. 25-36, 2017, IF2016=1.048, ISSN 1790-5427, PMID: 29324912.	M23
18	S. Beatović, M. Radulović, M. Janković, V. Artiko, B. Ajdinović, D. Šobić-Šaranović, Renal output efficiency and normalized residual activity examined by technetium-99m-DTPA renography have by far greater specificity to diagnose obstructive disease as compared to other conventional parameters of the renogram, Hellenic Journal of Nuclear Medicine, Vol. 21, No. 2, pp. 140-144, 2018, IF2016=1.048, ISSN 1790-5427, doi: 10.1967/s002449910804.	M23
19	N. Ivančević, M. Novičić, B. Miler Jerković, M. Janković, D. Stevanović, B. Nikolić, M. B. Popović, J. Jančić, Does handedness matter? Writing and tracing kinematic analysis in healthy adults, Psihologija, Vol. 52, No. 4, pp. 413 - 435, Oct, 2019, IF2018=0.545, ISSN 0048-5705, doi: 10.2298/PSI181229014I	M23
20	M. Radulović, M. Janković, O. Durutović, D. Šobić-Šaranović, B. Ajdinović, V. Artiko, R. Žeravica, S. Beatović, Interobserver reproducibility of mercaptoacetyltriglicine renography in children and adults with suspected obstruction: parameters of drainage and function calculated by International Atomic Energy Agency software, Nuclear Medicine Communications, Vol. 41, No. 2, pp. 96 - 103, Feb, 2020, IF2018=1.465, ISSN 0143-3636, doi: 10.1097/MNM.0000000000001126.	M23

Collective data of scientific teacher activities

Total number of citations, without auto-citations	471 (Sc	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	27	Number of international projects in which the teacher is currently participating	3

Professional training

Other relevant data

President of the Program Committee of Biomedical section of the ETRAN conference.

Local contact person for the CEEPUS network: “Image Processing, Information Engineering & Interdisciplinary Knowledge Exchange“, 2019-2025.

Leader of the project of Science Fund of the Republic of Serbia, 2025-2026.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Jelenković Branislav
Teaching position	Member of the Academy of Sciences and Arts
Narrow scientific (artistic) field	

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2012.	SANU Beograd	Physics	Quantum optics
Doctoral degree	1983	University of Belgrade - Faculty of Physics	Physics	Atomic physics
Specialization	1983-1985	JILA University of Colorado	Physics	Plasma physics
MSc/MA degree				
Master's degree	1978	University of Belgrade - Faculty of Physics	Physics	Metrology
Bachelor diploma	1975	University of Belgrade - School of Electrical Engineering	Physics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	The role of tenascin-C molecule in the structural plasticity of the hippocampus	Ana Jakovljevic	2023	2024
2	Application of quantum and nonlinear phenomenon in hot potassium vapour for controling proerties of laser radiation	Marija Ćurčić	2021	2023
3	Dynamics of Airy beam propagation in photorefractive media	Bojana Bokić	2017	2021
4	Formation of dark-state polaritons and two-polariton bound states in arrays of attoms and optical cavities	Angelo Maggitti	2012	2015
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	On the efficiency of 1D atom localisation via EIT in a degenerate two-level atomic system, Laser Physics Letters 14, 045202 (2016), J. Dimitrijević, D. Arsenović, B. Jelenković	M22
2	Slowing 80-ns light pulses by four-wave mixing in potassium vapor, Physical Review A 98, 2469 (2018), D. Arsenovic, M.M. Curcic, T. Khalifa, B. Zlatkovic, Z. Nikitovic. I/.S. Radojicic, A.J. Krmpot, B.M. Jelenkovic.	M21
3	Optically-detected spin-echo method for relaxation times measurements in a Rb atomic vapor, New J. Phys. 19, 063027 (2017), M. Gharavipour, C. Affolderbach, F. Gruet, I.S. Radojičić, A. J. Krmpot, B.M. Jelenković, G. Mileti.	M21
4	Slowing probe and conjugate pulses in potassium vapor using four wave mixing, Opt. Express, 26, 34266 (2018), B. Zlatković, M.M. Ćurčić, I.S. Radojicić, D. Arsenović, A.J. Krmpot, B.M. Jelenković.	M21
5	In vivo femtosecond laser nanosurgery of the cell wall enabling patch-clamp measurements on filamentous fungi. Microsyst Nanoeng 10, 47 (2024). https://doi.org/10.1038/s41378-024-00664- Tanja Pajić, Katarina Stevanović, Nataša V. Todorović, Aleksandar J. Krmpot,	M22
6	Repulsive photons in a quantum nonlinear medium, Nature Physics 16, 921 (2020), S. H. Cantu, A. V. Venkatramani, W. Xu, L. Zhou, B. Jelenković, M. D. Lukin and V. Vuletić.	M21a

7	Four-wave mixing in potassium vapor with an off-resonant double-A system, Phys. Rev. A 97, 2469-9926 (2018), M.M. Ćurčić, T. Khalifa, B. Zlatković, I.S. Radojicić, A.J. Krmpot, D. Arsenović, B.M. Jelenković, M. Gharavipour.	M21
8	Noise reduction in two-photon laser scanned microscopic images by singular value ecomposition with copula threshold, Signal Processing 195, 108486 (2022), T. Skoric, D. Pantelic, B. Jelenkovic, D. Bajic.	M22
9	Enchanced intensity difference squeezing with a low gain of resonant Four Wave Mixing in potassium vapor, Optics Communications 533, 129301 (2023), M. Ćurčić and B. Jelenković.	M22
10	Off-axis holographic imaging with undetected light, Optics Express 32, 35449 (2024), J. R. León-Torres, F. Krajinić, M. Kumar, M. G. Basset, F. Setzpfandt, V.F. Gili, B. Jelenković, M. Gräfe	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	3500	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	196	Number of international projects in which the teacher is currently participating	3

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Ješić Siniša
Teaching position	full professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2017.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2006.	University of Belgrade - Faculty of Mathematics	Mathematics	Mathematical Analysis
Specialization				
MSc/MA degree	1999.	University of Belgrade - Faculty of Mathematics	Mathematics	Mathematical Analysis
Master's degree				
Bachelor diploma	1994.	University of Belgrade - Faculty of Mathematics	Mathematics	Theoretical mathemati

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Fixed point theorems in spaces with nondeterministic distances	Rale Nikolić	2012	2012
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	S. Ješić, N. Ćirović, R. Nikolić, B. Ranđelović, A fixed point theorem in strictly convex b-fuzzy metric spaces, AIMS Mathematics, Vol. 8, No. 9, pp. 20989-21000, Jun, 2023.	M21A+
2	B. Ranđelović, N. Ćirović, S. Ješić, A characterisation of completeness of b-fuzzy metric spaces and nonlinear contractions, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 15, No. 1, pp. 233-242, 2021.	M21
3	R. Rajendra P., P. Abhijit, R. Nikolić, S. Ješić, A characterization of completeness of Menger PM-spaces, JOURNAL OF FIXED POINT THEORY AND APPLICATIONS, Vol. 21, No. 4, pp. 1 - 9, Sep, 2019	M21A
4	Ješić Siniša N, Nikolić Rale M, Pant Rajendra P: Common fixed point theorems for self-mappings in Menger PM-spaces with nonlinear contractive condition, Journal of fixed point and applications, 20 (2018)	M21
5	Siniša N. Ješić, Nataša A. Ćirović, Donal O'Regan: Altering distances and a common fixed point theorem in Menger probabilistic metric spaces, Filomat, 31:2 (2017), pp. 175–181	M22
6	Rale M. Nikolić, Siniša N. Ješić, Nataša A. Babačev: Fixed points theorems for non-self mappings with nonlinear contractive conditions in strictly convex Menger PM-spaces, Fixed point theory, 18(2017)	M22

7	Siniša N. Ješić, Rale M. Nikolić, Nataša A. Babačev: A Common Fixed Point Theorem in Strictly Convex Menger PM-spaces, Filomat Vol. 28 (2014), No 4, pp. 735-743	M22
8	X. Liu, S. Ješić, Common fixed points of a generalized ordered g-quasicontraction in partially ordered metric spaces, Fixed Point Theory And Applications, Vol. 2013, No. 2013:53, pp. 1 - 19, Mar, 2013	M21A
9	Siniša N. Ješić, Nataša A. Babačev, Rale M. Nikolić: A Common Fixed Point Theorem in Fuzzy Metric Spaces with Nonlinear Contractive Type Condition Defined Using Φ-Function, Abstract And Applied Analisys, Volume 2013	M21A
10	Siniša N. Ješić, Convex structure, normal structure and a fixed point theorem in intuitionistic fuzzy metric spaces, CHAOS SOLITONS & FRACTALS, Vol. 41, No. 1, pp. 292 - 301, Jul, 2009	M21A
11	Siniša N. Ješić, Nataša A. Babačev, Donal O'Regan, Rale M. Nikolić:Common fixed point theorems for four mappings defined on L-fuzzy metric spaces with nonlinear contractive type condition, Fixed point theory, 10 (2009) No 2, pp. 259-274	M22
12	Siniša N. Ješić, Nataša A. Babačev, Common fixed point theorems in intuitionistic fuzzy metric spaces and L-fuzzy metric spaces with nonlinear contractive condition, CHAOS SOLITONS & FRACTALS, Vol. 37, No. 3, pp. 675 - 687, Aug, 2008	M21A
13	S. N. Ješić, D. O'Regan, N.A.Babačev: A Common Fixed Point Theorem for R-weakly commuting mappings in Probabilistic Spaces with Nonlinear Contractive Conditions, Appl. Math. Comput., 201 (2008) 272-281,ISSN: 0096-3003	M22
14	L. B. Ćirić, S. N. Ješić, M. M. Milovanović, J. S. Ume: On the steepest descent approximation method for the zeros of generalized accretive operators, Nonlinear Analysis: Theory, Methods and Applications, 69 (2008) 763-769	M21A
15	L. B. Ćirić, S. N. Ješić, J. S. Ume: The existence theorems for fixed and periodic points of nonexpansive mappings in intuitionistic fuzzy metric spaces, Chaos, Solitons and Fractals, 37 (3) (2008), pp. 781-791	M21A
16	D. Djurčić, A. Torgašev, and S. Ješić, The strong asymptotic equivalence and the generalized inverse, Siberian Mathematical Journal, Vol. 49, No. 4 (2008), 628-636, ISSN: 0037-4466	M23
17	L. B. Ćirić, J. S. Ume, S. N. Ješić, On random coincidence and fixed points for a pair of multi-valued and single-valued mappings, Jour. Ineq. Appl., (2006) doi10.1155/JIA/2006/81045, 12 pages, ISSN: 1025-5834	M23
18	Ćirić Ljubomir B, Ume Jeong Sheok, Ješić Siniša N, Arandjelović-Milovanović Marina M: Modified Ishikawa iteration process for nonlinear Lipschitz generalized strongly pseudo-contractive operators in arbitrary Banach spaces, Numerical functional analysis and optimizations, 28 (2007), 1231 -1243	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	137	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Jovanović Kosta
Teaching position	associate professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Specialization				
MSc/MA degree				
Master's degree	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Bachelor diploma	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Control of robots in physical interaction with the environment and cooperation with humans based on learning and optimization techniques	Nikola Knežević	2023	2024
2	Uncovering optimal strategies in human motion through inverse optimal control	Filip Bečanović	2023	2024
3	Detection of interaction forces in industrial robotics	Zaviša Gordić	2022	2023
4	Robot path planning based on D* Lite algorithm and autonomous environment search	Novak Zagradjanin	2021	2022
5	Application of virtual worlds in agent theory research and engineering education	Petrovic Vladimir	2021	2022
6	Simultaneous stiffness and position control of robots with variable stiffness actuators	Branko Lukić	2020	2022
7	Stiffness estimation and adaptive control for soft robots	Maja Trumić	2020	2021
8	Dual-arm robotic manipulation inspired by human skills	Marija Tomić	2016	2018
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	A. Vukićević, M. Петровић, P. Milošević, A. Peulic, K. Jovanović, A. Novakovic, A systematic review of computer vision-based personal protective equipment compliance in industry practice: advancements, challenges and future directions, ARTIFICIAL INTELLIGENCE REVIEW, Vol. 57, No. 319, 2024	M21a+
2	H. Кнежевић, A. Савић, З. Гордић, A. Ajoudani, K. Jovanović, Toward Industry 5.0: A Neuroergonomic Workstation for a Human-Centered, Collaborative Robot-Supported Manual Assembly Process, IEEE ROBOTICS & AUTOMATION MAGAZINE, Nov, 2024 doi:10.1109/MRA.2024.3487323	M21a
3	M. Trumić, K. Јовановић, A. Fagiolini, Decoupled nonlinear adaptive control of position and stiffness for pneumatic soft robots, INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH, Vol. 40, No. 1, pp. 277 - 295, 2021 doi:10.1177/0278364920903787	M21a

4	K. Jovanović, et al., Digital Innovation Hubs in Healthcare Robotics Fighting COVID-19 across Europe, IEEE ROBOTICS & AUTOMATION MAGAZINE, Vol. 28, No. 1, pp. 40 - 47, 2021 doi:10.1109/MRA.2020.3044965	M21
5	A. Vukicevic, M. Petrovic, N. Jurisevic, M. Djapan, N. Knezevic, A. Novakovic, K. Jovanovic, “Versatile waste sorting in small batch and flexible manufacturing industries using deep learning techniques”, Scientific reports (Nature), 2025.	M21
6	S. Pedone, M. Трумић, K. Jovanović, A. Fagiolini, Robust and Decoupled Position and Stiffness Control for Electrically-Driven Articulated Soft Robots, IEEE Robotics and Automation Letters, Vol. 7, No. 4, pp. 9059 - 9066, Jul, 2022 doi:10.1109/LRA.2022.3188903	M21
7	F. Bečanović, V. Bonnet, R. Dumas, K. Jovanovic and S. Mohammed, "Force Sharing Problem During Gait Using Inverse Optimal Control", IEEE Robotics and Automation Letters, (RA-L), 2023.	M21
8	M. Trumic, C. Della Santina, K. Jovanovic, A. Fagiolini, “On the stability of the soft pendulum with affine curvature: open-loop, collocated closed-loop, and switching control”, IEEE Control Systems Letters, 2022.	M22
9	N. Knezevic, B. Lukic, T. Petric, K. Jovanovic, “A Geometric Approach to Task-Specific Cartesian Stiffness Shaping”, Journal of Intelligent & Robotic Systems (Springer), 2024.	M22
10	A. Vukicevic, M. Petrovic, N. Knezevic and K. Jovanovic, "Deep learning-based recognition of unsafe acts in manufacturing industry," IEEE Access, 2023.	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	1315 (Scopus)	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	34	Number of international projects in which the teacher is currently participating	6

Professional training
Research stay at DLR Institute of Robotics and Mechatronics, Oberfaffenhofen, Germany, 2013 (6 months)
Research stay at Technical University of Munich - Department of Embedded Systems and Robotics, Munich, Germany, 2010 (2 months)

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Jovičić Nenad
Teaching position	associate professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	AUTONOMOUS VEHICLE LANE KEEPING BY ANALYZING INFORMATION FROM VISUAL SENSORS USING A NEURAL NETWORK	Jelena Kocic	2019	2020
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Lekić, A., Hermans, B., Jovičić, N. and Patrinos, P., 2020. Microsecond nonlinear model predictive control for DC DC converters. International Journal of Circuit Theory and Applications, 48(3), pp.406-419	M23
2	J. Kocić, N. Jovičić, B. Дрндаревић, An End-to-End Deep Neural Network for Autonomous Driving Designed for Embedded Automotive Platforms, SENSORS, Vol. 19, No. 9, pp. 2064 - 2090, 2019 doi:10.3390/s19092064	M21
3	N. Jovičić, V. Rajović, A floating linear voltage regulator for powering large-scale differential communication networks, IEEE Access, 6, pp.24669-24679, 2018. doi: 10.1109/ACCESS.2018.2832123.	M21
4	M. Djurić-Jovičić, N. Jovičić, S. Radovanović, M. Ječmenica-Lukić, M. Belić, M. Popović, V. Kostić, Finger and foot tapping sensor system for objective motor assessment, Vojnosanitetski pregled, 75(1), 68-77, 2018, doi: 10.2298/VSP150502323D	M23

5	Djurić-Jovičić, M., Jovičić, N.S., Roby-Brami, A., Popović, M.B., Kostić, V.S. and Djordjević, A.R., 2017. Quantification of Finger-Tapping Angle Based on Wearable Sensors. Sensors, 17(2), p.203, 2017, doi: 10.3390/s17020203.	M21
6	Maneski, L. P., Topalović, I., Jovičić, N., Dedijer, S., Konstantinović, L., & Popović, D. B., Stimulation map for control of functional grasp based on multi-channel EMG recordings. Medical Engineering & Physics, 38(11), 1251-1259, 2016, doi: 10.1016/j.medengphy.2016.06.004.	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	743	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	11	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Knežević Nikola
Teaching position	assistant professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Specialization				
MSc/MA degree				
Master's degree	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Bachelor diploma	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	A. Vukićević, M. Петровић, N. Jurišević, M. Đapan, H. Кнежевић, A. Novaković, K. Jovanović, Versatile waste sorting in small batch and flexible manufacturing industries using deep learning techniques, Scientific Reports, Vol. 15, 2025	M21
2	H. Кнежевић, A. Савић, З. Гордић, A. Ajoudani, K. Jovanović, Toward Industry 5.0: A Neuroergonomic Workstation for a Human-Centered, Collaborative Robot-Supported Manual Assembly Process, IEEE ROBOTICS & AUTOMATION MAGAZINE, Nov, 2024	M21a
3	A. Vukićević, M. Петровић, N. Jurišević, M. Đapan, H. Кнежевић, A. Novaković, K. Jovanović, Versatile waste sorting in small batch and flexible manufacturing industries using deep learning techniques, Scientific Reports, Vol. 15, 2025	M21
4	A. Vukićević, M. Петровић, N. Knežević, K. Јовановић, Deep Learning-Based Recognition of Unsafe Acts in Manufacturing Industry, IEEE ACCESS, Vol. 11, pp. 103406 - 103418, Sep, 2023 doi:10.1109/ACCESS.2023.3318114	M21

5	N. Knežević, Б. Лукић, T. Petrič, K. Јовановић, A Geometric Approach to Task-Specific Cartesian Stiffness Shaping, JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, Vol. 110, Jan, 2024	M22
6	N. Knežević, M. Петровић, K. Јовановић, Cartesian Stiffness Shaping of Compliant Robots—Incremental Learning and Optimization Based on Sequential Quadratic Programming, Actuators, Vol. 13, No. 1, Jan, 2024	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	48	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	6	Number of international projects in which the teacher is currently participating	6

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Koledin Tamara
Teaching position	associate professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2013.	University of Belgrade Faculty of Mathematics	Mathematics	Graph Theory
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Applied Mathematics	Graph Theory
Master's degree				
Bachelor diploma	2000.	University of Belgrade Faculty of Mathematics	Mathematics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registrati on year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Anđelić, T. Koledin, Z. Stanić, Inequalities for Laplacian eigenvalues of signed graphs with given frustration number, Symmetry, Vol. 13, No. 10, 2021	M22
2	M. Anđelić, T. Koledin, Z. Stanić, Notes on Hamiltonian threshold and chain graphs, AIMS Mathematics, Vol. 6, No. 5, pp. 5078 - 5087, 2021	M21a+
3	A. Alazemi, M. Anđelić, T. Koledin, Z. Stanić, Chain graphs with simple Laplacian eigenvalues and their Laplacian dynamics, Computational and Applied Mathematics, Vol. 42, No. 1, 2022	M21a
4	M. Anđelić, C. da Fonseca, T. Koledin, Z. Stanić, An extended eigenvalue-free interval for the eccentricity matrix of threshold graphs, Journal of Applied Mathematics and Computing, Vol. 69, No. 1, pp. 491 - 503, 2022	M21a
5	A. Alazemi, M. Anđelić, T. Koledin, Z. Stanić, Eigenvalue-free intervals of distance matrices of threshold and chain graphs, LINEAR & MULTILINEAR ALGEBRA, Vol. 69, No. 16, pp. 2959 - 2975, 2021	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	70	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	29	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Kolundžija Branko
Teaching position	full professor
Narrow scientific (artistic) field	Electromagnetism, antennas and microwaves

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electromagnetism, antennas and microwaves
Doctoral degree	1990.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Specialization				
MSc/MA degree	1986.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1981.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Ultra High Order Basis Functions and Singular Basis Functions in Analysis of Axially Symmetric Metallic Structures	Aleksandra Krneta	2017	2018
2	Efficient Computation of Sommerfeld Integrals in Case of Electrically Large Structures in Half-space Problems	Nikola Basta	2019	2020
3	Surface Meshing Algorithms Optimized for Efficient Electromagnetic Analysis	Branko Mrdaković	2021	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	Z. Stanković, D. Olćan, N. Dončov, Б. Колуњџија, Multi-Epoch Mini-Batch Levenberg-Marquardt Method for Effective Antenna Design based on Consensus DNN, IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, Sep, 2025 doi:10.1109/LAWP.2025.3612812	M21
2	Z. Stanković, D. Olćan, N. Dončov, B. Kolundžija, Consensus Deep Neural Networks for Antenna Design and Optimization, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 70, No. 7, pp. 5015 - 5023, Jul, 2022 doi:10.1109/TAP.2021.3138220	M21a
3	T. Singh, B. Ninkovic, M. Tasic, M. Nikolic Stevanovic, B. Kolundzija, “3D EM Modeling of Medical Microwave Imaging Scenarios with Controllable Accuracy”, IEEE Transactions on Antennas and Propagation, pp. 1-1, Sep. 2022. IF(2020): 4.824	M21
4	T. Singh, D. Ninkovic, B. Kolundzija, M. Nikolic Stevanovic, “Smooth Polynomial Approach for Microwave Imaging in Sparse Processing Framework”, IEEE Access, pp. 1-1, Oct. 2022. IF(2020): 3.367	M21

5	H.-X. Zhang, L. Huang, W.-J. Wang, Z.-G. Zhao, L. Zhou, W. Chen, H. Zhou, Q. Zhan, B. Kolundzija, W-Y. Yin “Massively parallel electromagnetic–thermal cosimulation of large antenna arrays”, IEEE Antennas and Wireless Propagation Letters, Vol. 19, No. 9, pp. 1550-1555, July 2020. IF(2021): 3.834	M21
6	S. V. Savić, M. M. Ilić, B. M. Kolundzija, “Maximally orthogonalized higher order basis functions in large-domain finite element modeling in electromagnetics, IEEE Transactions on Antennas and Propagation, Vol. 68, No. 8, pp. 6455 - 6460, Feb. 2020. IF(2020): 4.388	M21
7	N. Basta, B. Kolundzija, “Efficient evaluation of the finite part of pole-free Sommerfeld integrals in half-space problems with predefined accuracy”, IEEE Transactions on Antennas and Propagation, Vol. 67, No. 7, pp. 4930-4935, May 2019. IF(2019): 4.371	M21
8	J.G. Perović, D.I. Olćan, B.M. Kolundžija, A.R. Djordjević: "A Singularity-Cancellation Transformation for Entire-Domain Analysis of 2-D Structures with High-Precision Integration", IEEE Transactions on Antennas and Propagation, pp. 2522-2533, Jan. 2019. IF(2019): 4.371	M21
9	A. J. Krneta, B. M. Kolundzija, Using Ultra High Expansion Orders of Max-Ortho Basis Functions for Analysis of Axially Symmetric Metallic Antennas, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 66, No. 7, pp. 3696 - 3699, May, 2018 doi:10.1109/TAP.2018.2835499	M21
10	M. Tasić, Б. Колуњија, Method of Moment Weighted Domain Decomposition Method for Scattering From Large Platforms, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 66, No. 7, pp. 3577 - 3589, 2018 doi:10.1109/TAP.2018.2829821	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	670	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	45	Number of international projects in which the teacher is currently participating	3

Professional training

Other relevant data
Life Fellow IEEE

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Koprivica Mladen
Teaching position	assistant professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	The determination of mobile network architecture impact on population total exposure to electromagnetic field	Milica Popović	2019	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Popović Saković, M. Koprivica, J. Milinković, A. Нешковић, Comparison of Average Total EMF Exposure for Microcell/Macrocell Topologies Using Novel Methodology Based on Operational Network Measurements, IEEE ACCESS, Vol. 9, pp. 113770 - 113787, Aug, 2021 doi:10.1109/ACCESS.2021.3104030	M22
2	M. Koprivica, M. Petrić, N. Nešković, A. Nešković, Statistical Analysis of Electromagnetic Radiation Measurements in the Vicinity of Indoor Microcell GSM/UMTS Base Stations in Serbia, BIOELECTROMAGNETICS, Vol. 37, No. 1, pp. 69 - 76, Jan, 2016 doi:10.1002/bem.21946	M22
3	Y. Huang, N. Varsier, S. Nikšić, E. Kocan, M. Pejanovic-Djurisic, M. Popović, M. Koprivica, A. Nešković, J. Milinković, A. Gati, C. Person, J. Wiart, Comparison of average global exposure of population induced by a macro 3G network in different geographical areas in France and Serbia, BIOELECTROMAGNETICS, Vol. 37, No. 6, pp. 382 - 390, Sep, 2016 doi:10.1002/bem.21990	M22

4	M. Popović, M. Koprivica, J. Milinković, A. Нешковић, Experimental analysis of individual EMF exposure for GSM/UMTS/WLAN user devices, ANNALES DES TELECOMMUNICATIONS-ANNALS OF TELECOMMUNICATIONS, Vol. 74, No. 1-2, pp. 79 - 91, Feb, 2019 doi:10.1007/s12243-018-0679-7	M23
5	M. Koprivica, V. Slavković, N. Nešković, A. Nešković, STATISTICAL ANALYSIS OF ELECTROMAGNETIC RADIATION MEASUREMENTS IN THE VICINITY OF GSM/UMTS BASE STATION INSTALLED ON BUILDINGS IN SERBIA, RADIATION PROTECTION DOSIMETRY, Vol. 168, No. 4, pp. 489 - 502, Mar, 2016 doi:10.1093/rpd/ncv372	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	125	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	8	Number of international projects in which the teacher is currently participating	0

Professional training
He holds the following industrial certificates:

Other relevant data
Senior member of the IEEE and Chair of the IEEE Serbia and Montenegro section.
Member of the Telecommunications Society, the Supervisory Board of the Telecommunications Society, as well as
Licensed designer of telecommunication networks and systems (353D25206).
Member of the Serbian Chamber of Engineers and Chair of the Commission for exam and licenses for the

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Kovačević Branko
Teaching position	Professor Emeritus
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	1995	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	1984	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Specialization				
MSc/MA degree	1980	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Master's degree				
Bachelor diploma	1975	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a	Registrati on year	Year of defending
1	Singer memory filter data association for moving target tracking in heavy clutter	Zvonko Radosavljević	2012	2016
2	The method of image processing for detection of targets with small reflection and big fluctuation	Zoran Đorđević	2015	2016
3	Robust signal processing in electrical power systems	Goran Đukić	2012	2016
4	Functional norm regularization for margin-based ranking on temporal data	Ivan Stojković	2017	2018
5	Application of virtual worlds in agent theory research and engineering education	Vladimir Petrović	2021	2022
6	One Particle Filter Based Algorithm of Tracking of a Moving Object in the Sequence of Images	Abdalgalil Alsagir Mohamed Abdulla	2021	2023
7	Moving object tracking in short-wave infrared video sequence based on correlation filters and robust Kalman filtering	Miloš Pavlović	2023	2024
8	Enhanced methods for secure data transmission in real time over compressed voice channels	Sara Čubrilović	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Kuzmanović, Z., Čubrilović, S., Punt, M., Vučić, D., Kovačević, B., Characterization of OFDM-Based Secure Data Transmission Over Voice Channels, (2025) IEEE Signal Processing Letters, 32, pp. 3230 - 3234, DOI: 10.1109/LSP.2025.3596526	M21
2	Radosavljević, Z., Ivković, D., Kovačević, B., ITS Efficiency Analysis for Multi-Target Tracking in a Clutter Environment (2024) Remote Sensing, 16 (8), art. no. 1471, DOI: 10.3390/rs16081471	M21
3	Čubrilović, S., Kuzmanović, Z., Punt, M., Vučić, D., Kovačević, B., FBMC/OQAM-Based Secure Voice Communications Over Voice Channels, (2024) IEEE Access, 12, pp. 94452 – 94460, DOI: 10.1109/ACCESS.2024.3424315	M21
4	Pavlović, M., Banjac, Z., Kovačević, B., Approximate Kalman filtering by both M-robustified dynamic stochastic approximation and statistical linearization methods, (2023) Eurasip Journal on Advances in Signal Processing, 2023 (1), art. no. 69, DOI: 10.1186/s13634-023-01030-1	M22

5	Pavlović, M., Banjac, Z., Kovačević, B., Object Tracking in SWIR Imaging Based on Both Correlation and Robust Kalman Filters, (2023) IEEE Access, 11, pp. 63834 – 63851, DOI: 10.1109/ACCESS.2023.3288694	M21
6	Radomirović, J., Milosavljević, M., Kovačević, B., Jovanovic, M., Privacy Amplification Strategies in Sequential Secret Key Distillation Protocols Based on Machine Learning, (2022) Symmetry, 14 (10), art. no. 2028, DOI: 10.3390/sym14102028	M21
7	Petrović, V.M., Kovačević, B., AViLab—Gamified Virtual Educational Tool for Introduction to Agent Theory Fundamentals, (2022) Electronics (Switzerland), 11 (3), art. no. 344, DOI: 10.3390/electronics11030344	M22
8	Pavlović, M., Banjac, Z., Kovačević, B., Digital Video Stabilization Verification Based on Genetic Algorithm Template Matching, (2022) Advances in Electrical and Computer Engineering, 22 (2), pp. 53 – 60, DOI: 10.4316/AECE.2022.02007	M22
9	Banjac, Z., Kovačević, B., Robustified Kalman Filtering Using Both Dynamic Stochastic Approximation and M-Robust Performance Index, (2022) Tehnicki Vjesnik, 29 (3), pp. 907 – 914, DOI: 10.17559/TV-20200929143934	M22
10	Milanović, P.D., Popadić, I.V., Kovačević, B., Gyroscope-based video stabilization for electro-optical long-range surveillance systems, (2021) Sensors, 21 (18), art. no. 6219, DOI: 10.3390/s21186219	M21
11	Abdulla, A.A., Graovac, S., Papic̀, V., Kovačević, B., Triple-feature-based Particle Filter Algorithm Used in Vehicle Tracking Applications, (2021) Advances in Electrical and Computer Engineering, 21 (2), pp. 3 – 14, DOI: 10.4316/AECE.2021.02001	M23
12	Marjanović, A., Krstic, M., Djurovic, Z., Kovačević, B., Control of Thermal Power Plant Combustion Distribution Using Extremum Seeking, (2017) IEEE Transactions on Control Systems Technology, 25 (5), art. no. 7762083, pp. 1670 – 1682, DOI:	M21a
13	Kovačević, B., Banjac, Z., Kovačević, I.K., Robust adaptive filtering using recursive weighted least squares with combined scale and variable forgetting factors, (2016) Eurasip Journal on Advances in Signal Processing, 2016 (1), art. no. 37, DOI: 10.1186/s13634-016-0341-3	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	689 (Sc	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	51	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Professor Emeritus

Rector of the University of Belgrade, 2006-2012.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Krstić Aleksandra
Teaching position	associate professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Specialization				
MSc/MA degree				
Master's degree	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Bachelor diploma	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	"Heuristic optimization of multisource heat pump systems" (in Sebian "Хеуристичка оптимизација система топлотне пумпе са више извора енергије")	Marko Jelić	2022	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Jelić, M. Batić, A. Krstić, M. Bottarelli, E. Mainardi, Comparative analysis of metaheuristic optimization approaches for multisource heat pump operation, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Vol. 188, Dec, 2023	M21a+
2	K. Stankovic, D. Jelić, N. Tomašević, A. Krstić, Manufacturing process optimization for real-time quality control in multi-regime conditions: Tire tread production use case, JOURNAL OF MANUFACTURING SYSTEMS, Vol. 76, pp. 293 - 313, 2024	M21a+
3	S. Vujnović, A. Marjanović, Ž. Đurović, Acoustic contamination detection using QQ-plot based decision scheme, MECHANICAL SYSTEMS AND SIGNAL PROCESSING, Vol. 116, pp. 1 - 11, Feb, 2019 doi:10.1016/j.ymssp.2018.06.040	M21a

4	A. Marjanović, M. Krstić, Ж. Ђуровић, Б. Ковачевић, Control of Thermal Power Plant Combustion Distribution Using Extremum Seeking, IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, Vol. 25, No. 5, pp. 1670 - 1682, 2017 doi:10.1109/TCST.2016.2627499	M21a
5	M. Radonjić, S. Vujnović, A. Krstić, Ž. Zečević, IoT System for Detecting the Condition of Rotating Machines Based on Acoustic Signals, Applied Sciences, pp. 4385.1 - 4385.23, Apr, 2022 doi:10.3390/app12094385	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	103	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	8	Number of international projects in which the teacher is currently participating	0

Professional training

2009 - Institut IHP GmbH (Innovations for High Performance Microelectronics, System Department), Frankfrut (Oder), Germany;
2013 - UCSD Cymer Center for Control Systems and Dynamics, San Diego, USA;
2013, 2014 - EECI (European Embedded Control Institute) cources

Other relevant data

2022-2023 Vice-Dean for Academic Affairs, University of Belgrade - School of Electrical Engineering

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Krstić Marko
Teaching position	associate professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Specialization				
MSc/MA degree				
Master's degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Bachelor diploma	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Banović, J. Crnjanski, M. Krstić, D. Gvozdić, Performance Enhancement of Reservoir Computing Based on Fabry-Pérot Laser as All-Optical Reconfigurable Nonlinear Node, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 42, No. 22, pp. 7785 - 7794, Nov, 2024 doi:10.1109/JLT.2024.342232	M21
2	J. Babić, A. Totović, J. Crnjanski, M. Krstić, M. Mašanović, D. Gvozdić, Exploiting Inductive Peaking for Enhancing the RSOA's Large-Signal Modulation Performance, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 39, No. 11, pp. 3502 - 3510, Mar, 2021 doi:10.1109/JLT.2021.3069660	M21
3	J. Babić, A. Totović, J. Crnjanski, M. Krstić, M. Mašanović, D. Gvozdić, Enhancement of the MQW-RSOA's Small-Signal Modulation Bandwidth by Inductive Peaking, JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 37, No. 9, pp. 1981 - 1989, May, 2019 doi:10.1109/JLT.2019.2896914	M21

4	M. M. Krstić, J. V. Crnjanski, D. M. Gvozdić, Injection Power and Detuning-Dependent Bistability in Fabry–Perot Laser Diodes, IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 18, No. 2, pp. 826 - 833, Mar, 2012 doi:10.1109/JSTQE.2011.2135335	M21a
5	T. Pinto, U. C. de Moura, F. Da Ros, M. Krstić, J. Crnjanski, A. Napoli, D. Gvozdić, D. Zibar, Optimization of frequency combs spectral-flatness using evolutionary algorithm, OPTICS EXPRESS, Vol. 29, No. 15, pp. 23447 - 23460, 2021 doi:10.1364/OE.430402	M21
6	Mladen Ž. Banović, Petar A. Atanasijević, Marko M. Krstić, Peđa M. Mihailović, Jasna V. Crnjanski, Slobodan J. Petričević, and Dejan M. Gvozdić, "Reconfigurable all-optical bistability/tristability in dual injection-locked Fabry–Perot laser diodes," Opt. Lett. 48, 4165-4168 (2023)□	M21
7	Jasna Crnjanski, Marko Krstić, Angelina Totović, Nikos Pleros, and Dejan Gvozdić, "Adaptive sigmoid-like and PReLU activation functions for all-optical perceptron," Opt. Lett. 46, 2003-2006 (2021)□	M21
8	Marko M. Krstić, Jasna V. Crnjanski, Mladen Ž. Banović, Ivana S. Vasiljević, and Dejan M. Gvozdić, "Generation of a dual optical frequency comb by large signal modulation of a semiconductor laser," Opt. Lett. 46, 4920-4923 (2021)□	M21
9	M. M. Krstić, J. V. Crnjanski, M. L. Mašanović, L. A. Johansson, L. A. Coldren and D. M. Gvozdić, "Multivalued Stability Map of an Injection-Locked Semiconductor Laser," in IEEE Journal of Selected Topics in Quantum Electronics, vol. 19, no. 4, pp. 1501408-1501408, July-Aug. 2013, Art no. 1501408, doi: 10.1109/JSTQE.2013.2241026□	M21a
10	M. Krstić, J. Crnjanski, D. Gvozdić, Switching time and energy in bistable injection-locked semiconductor multi-quantum-well Fabry-Perot lasers, Physical Review A, 88, 063826, 2013, https://doi.org/10.1103/PhysRevA.88.063826□	M21a
11	M. Banović, P. Atanasijević, A. Prapas, C. Pappas, J. Crnjanski, A. Tsakyridis, M. Moralis-Pegios, K. Vyrsokinos, M. Lović, N. Zdravković, M. Mićić, M. Krstić, S. Petričević, N. Pleros, D. Gvozdić, All-optical high-speed programmable nonlinear activation functions using a Fabry–Pérot laser, APL PHOTONICS, Vol. 10, No. 10, Oct, 2025,	M21a
12	M. Krstić, S. Bogojević, J. Crnjanski, D. Gvozdić, Design and spectral shaping of optical frequency combs using gain-switched cascade of a semiconductor laser and optical amplifier, OPTICS COMMUNICATIONS, Vo. 593, 2025, https://doi.org/10.1016/j.optcom.2025.132194	M22
13	Marko M. Krstić, Amol Delmade, Jasna V. Crnjanski, Liam Barry, Dejan M. Gvozdić, Single laser dual optical frequency comb generation, Optics Express, Vol. 33, 2025, https://doi.org/10.1364/OE.575910□	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	185	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	30	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Kvaščev Goran
Teaching position	full professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Specialization				
MSc/MA degree	2005.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Master's degree				
Bachelor diploma	2000.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Decision support system for assessment of patients with neurodegenerative disorders	Vladislava Bobić	2019	2021
2	Detection of cognitive components in electroencephalographic responses to somatosensory electrical stimuli using machine learning methods	Marija Novičić	2024	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	A. Stojić, G. Kvaščev, Ž. Đurović, An Assistive System for Thermal Power Plant Management, ENERGIES, Vol. 18, No. 2977, pp. 1 - 21, Jun, 2025 doi:10.3390/en18112977	M22
2	V. Bobić, M. Djurić-Jovičić, N. Dragašević, M. B. Popović, V. S. Kostić, G. Kvaščev, An Expert System for Quantification of Bradykinesia Based on Wearable Inertial Sensors, SENSORS, Vol. 19, No. 11, pp. 1 - 17, Jun, 2019 doi:10.3390/s19112644	M21
3	A. Dodig, E. Ricci, G. Kvaščev, M. Stojkovic, A novel machine learning-based framework for the water quality parameters prediction using hybrid long short-term memory and locally weighted scatterplot smoothing methods, JOURNAL OF HYDROINFORMATICS, pp. 1 - 21, Apr, 2024 doi:10.2166/hydro.2024.273	M22
4	S. Antić, G. Kvaščev, Ž. Đurović, Application of Structured and Directional Residuals for Fault Detection and Isolation on Permanent-Magnet DC Motor with Amplifier, QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL, pp. 2601 - 2621, Feb, 2016 doi:10.1002/qre.1962	M22
5	S. Ičagić, G. Kvaščev, A Smart Alcoholmeter Sensor Based on Deep Learning Visual Perception, SENSORS, Vol. 22, No. 19, pp. 1 - 17, Sep, 2022 doi:10.3390/s22197394	M21
6	D. Pavlovic, M. Czerkawski, C. Davison, O. Marko, C. Michie, R. Atkinson, V. Crnojevic, I. Andonovic, B. Pajовић, G. Kvaščev, C. Tachtatzis, Behavioural Classification of Cattle Using Neck-Mounted Accelerometer-Equipped Collars, SENSORS, Vol. 22, No. 6, pp. 1 - 18, Mar, 2022 doi:10.3390/s22062323	M21

7	B. Андрић, G. Kvaščev, M. Цветановић, C. Стојановић, H. Бачанин, M. Гајић--Квашчев, Deep learning assisted XRF spectra classification, Scientific Reports, Vol. 14, No. 1, 2024 doi:10.1038/s41598-024-53988-z	M21
8	I. Vajs, G. Kvaščev, T. Papić, M. Јанковић, Eye-tracking Image Encoding: Autoencoders for the Crossing of Language Boundaries in Developmental Dyslexia Detection, IEEE ACCESS, Vol. 11, pp. 3024 - 3033, Jan, 2023 doi:10.1109/ACCESS.2023.3234438	M21
9	S. Vujnović, Ž. Đurović, G. Kvaščev, Fan mill state estimation based on acoustic signature analysis, CONTROL ENGINEERING PRACTICE, Vol. 57, pp. 29 - 38, 2016 doi:10.1016/j.conengprac.2016.08.013	M21
10	M. Zivkovic, N. Bacanin, M. Antonijevic, B. Nikolić, G. Kvaščev, M. Marjanovic, N. Savanovic, Hybrid CNN and XGBoost Model Tuned by Modified Arithmetic Optimization Algorithm for COVID-19 Early Diagnostics from X-ray Images, Electronics , Vol. 11, No. 3798, pp. 1 - 30, Nov, 2022 doi:10.3390/ electronics11223798	M22
11	N. Savanovic, A. Bozovic, M. Antonijevic, G. Kvaščev, B. Nikolić, K. Venkatachalam, N. Bacanin, M. Zivkovic, Hybrid CNN XGBoost intrusion detection approach tuned by modified sine cosine algorithm towards better cloud security, CONNECTION SCIENCE, Vol. 37, No. 1, pp. 1 - 26, Sep, 2025	M21
12	S. Vukojičić, L. Ristić, G. Kvaščev, Industrial Application of Neural Network-Optimized Model Predictive Control for a Two Mass Resonant Mechanical System, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), 2025 doi:10.1007/s00202-025-03261-x	M22
13	J. Kljajić, G. Kvaščev, Ž. Đurović, Reconstructing Nerve Structures from Unorganized Points, Applied Sciences, Vol. 13, No. 20, pp. 1 - 22, Oct, 2023 doi:10.3390/app132011421	M21
14	M. Gajić Kvaščev, M. Marić-Stojanović, R. Jančić-Heinemann, G. Kvaščev, V. Andrić, Non-destructive characterisation and classification of ceramic artefacts using pEDXRF and statistical pattern recognition, CHEMISTRY CENTRAL JOURNAL, Vol. 6, No. 102, pp. 1 - 12, Sep, 2012 doi:10.1186/1752-153X-6-102	M21
15	G. Kvaščev, Ž. Đurović, B. Kovačević, Adaptive Recursive M-Robust System Parameter Identification Using the QQ-Plot Approach, IET CONTROL THEORY AND APPLICATIONS, Vol. 5, No. 4, pp. 579 - 593, May, 2011 doi:10.1049/iet-cta.2009.0647	M22
16	M. Mataušek, G. Kvaščev, A unified step response procedure for autotuning of PI controller and Smith predictor for stable processes, JOURNAL OF PROCESS CONTROL, Vol. 13, No. 8, pp. 787 - 800, Dec, 2003 doi:10.1016/S0959-1524(03)00010-6	M22
17	Y. Abuadlla, G. Kvaščev, S. Gajin, Z. Jovanović, Flow-Based Anomaly Intrusion Detection System Using Two Stages Neural Network, COMPUTER SCIENCE AND INFORMATION SYSTEMS - COMSIS, Vol. 11, No. 2, pp. 601 - 622, Jun, 2014 doi:10.2298/CSIS130415035A	M23
18	N. Aldian Ambark Shashoa, G. Kvaščev, A. Marjanović, Ž. Đurović, Sensor Fault Detection and Isolation in a Thermal Power Plant Steam Separator, CONTROL ENGINEERING PRACTICE, Vol. 21, No. 7, pp. 908 - 916, Apr, 2013 doi:10.1016/j.conengprac.2013.02.012	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	379	Number of local projects in which the teacher is currently participating	8
Total number of papers on the SCI (SSCI) list	20	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Lutovac Tatjana
Teaching position	full professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2019.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2005.	School of Computer Science and Information Rechnology Science RMIT University Melburn, Australija	Mathematics	Mathematical logic in computer science
Specialization				
MSc/MA degree	1995.	University of Belgrade - Faculty of Mathematics	Mathematics	
Master's degree				
Bachelor diploma	1989.	University of Belgrade - Faculty of Science and Mathematics	Mathematics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Stratified families of functions and strategies for automated proving of some analytic inequalities	Miloš Mićović	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	M. Rašajski, T. Lutovac, B. Malešević, Sharpening and generalizations of Shafer-Fink and Wilker type inequalities: a new approach, Journal of Nonlinear Sciences and Applications, Vol. 11, No. 7, pp. 885 - 893, 2018 doi:10.22436/jnsa.011.07.02	M21a
2	B. Malešević, T. Лутовац, M. Рашајски, B. Banjac, Error-Functions in Double-Sided Taylor's Approximations, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 14, No. 3, pp. 599 - 613, 2020 doi:10.2298/AADM200114040M	M21
3	B. Malešević, M. Rašajski, T. Lutovac, A Refined estimates and generalizations of inequalities related to the arctangent function and Shafer's inequality, MATHEMATICAL PROBLEMS IN ENGINEERING, Vol. 2018, pp. 1 - 8, 2018 doi:10.1155/2018/4178629	M23
4	B. Malešević, T. Lutovac, B. Banjac, A proof of an open problem of Yusuke Nishizawa for a power-exponential function, Journal of Mathematical Inequalities, Vol. 12, No. 2, pp. 473 - 485, 2018 doi:10.7153/jmi-2018-12-35	M21

5	M. Rašajski, T. Lutovac, B. Malešević, About some exponential inequalities related to the sinc function, JOURNAL OF INEQUALITIES AND APPLICATIONS, Vol. 2018, No. 150, pp. 1 - 10, 2018 doi:10.1186/s13660-018-1740-9	M21
6	B. Malešević, M. Mićović, B. Mihailović, T. Lutovac, A new approach to selecting constants for some analytic inequalities, Journal of Mathematical Inequalities, Vol. 19, No. 1, pp. 223 - 245, 2025 doi:10.7153/jmi-2025-19-15	M21
7	B. Malešević, M. Mićović, B. Mihailović, T. Lutovac, V. Šešum-Čavić, The best constants in some new sharp bounds for sinc function, Afrika Matematika, Vol. 36, No. 81, pp. 1 - 16, 2025.	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	223	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Malešević Branko
Teaching position	full professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2017.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2007.	University of Belgrade - Faculty of Mathematics	Mathematics	Algebra
Specialization				
MSc/MA degree	1998.	University of Belgrade - Faculty of Mathematics	Mathematics	Algebra
Master's degree				
Bachelor diploma	1992.	University of Belgrade - Faculty of Sciences and Mathematics	Mathematics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	On trigonometric polynomial ring with applications in the theory of analytic inequalities, University of Belgrade - Faculty of Mathematics	Milica Savatović	2016	2018
2	Application of generalized inverses on solving fuzzy linear systems, University of Novi Sad - Faculty of technical sciences	Vera Miler Jerković	2016	2018
3	System for automatic proving of some classes of analytic inequalities, University of Belgrade - School of Electrical Engineering	Bojan Banjac	2017	2019
4	Stratified Families of Functions in the Theory of Analytical Inequalities With Applications, University of Belgrade - School of Electrical Engineering	Marija Nenezić Jović	2021	2023
5	Stratified families of functions and strategies for automated proving of some analytic inequalities, University of Belgrade - School of Electrical Engineering	Miloš Mićović	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	B. Malešević, M. Mićović, B. Mihailović, T. Lutovac, V. Šešum-Čavić, The best constants in some new sharp bounds for sinc function, Afrika Matematika, Vol. 36, No. 81, pp. 1 - 16, Apr, 2025	M21
2	B. Malešević, M. Mićović, B. Mihailović, T. Lutovac, A new approach to selecting constants for some analytic inequalities, Journal of Mathematical Inequalities, Vol. 19, No. 1, pp. 223 - 245, Mar, 2025	M21
3	B. Malešević, B. Mihailović, M. Nenezić Jović, M. Mićović, L. Milinković, Some generalisations and minimax approximants of D'Aurizio trigonometric inequalities, Acta Universitatis Sapientiae, Mathematica, Vol. 16, No. 2, pp. 263 - 277, Dec, 2024	M22
4	B. Malešević, Д. Јовановић, Frame's Types of Inequalities and Stratification, Cubo, Vol. 26, No. 1, pp. 1 - 19, Apr, 2024	M22
5	M. Petrović, B. Malešević, The area of Hügelschäffer curves via Taylor series, FILOMAT, Vol. 23, pp. 8053 - 8068, 2024	M21

6	M. Petrović, R. Štulić, B. Malešević, Cassinian Focal-Directorial Curves Geometric Genesis and Form Variation, Nexus Network Journal Architecture and Mathematics, Vol. 26, pp. 829 - 852, 2024	M21
7	B. Malešević, M. Mićović, B. Mihailović, A Parametric Method for Proving Some Analytic Inequalities, Axioms, Vol. 13, No. 8, pp. 1 - 23, Aug, 2024	M21
8	M. Mićović, B. Malešević, Jordan-Type Inequalities and Stratification, Axioms, Vol. 13, No. 4, pp. 1 - 25, Apr, 2024	M21
9	B. Banjac, B. Malešević, M. Mićović, B. Mihailović, M. Savatović, The best possible constants approach for Wilker-Cusa-Huygens inequalities via stratification, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 18, No. 1, pp. 244 - 288, Apr, 2024	M21a
10	L. Zhu, B. Malešević, Optimal bounds for two Seiffert-like means by arithmetic mean and harmonic mean, REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, Vol. 117, No. 59, pp. 1 - 38, 2023	M21a+
11	C. Chen, B. Malešević, Sharp inequalities related to the Adamovic-Mitrinovic, Cusa, Wilker and Huygens results, FILOMAT, Vol. 37, No. 19, pp. 6319 - 6334, 2023	M21
12	В. Милер-Јерковић, Б. Михаиловић, В. Malešević, The general algebraic solution of fuzzy linear systems based on a block representation of {1}-inverses, IRANIAN JOURNAL OF FUZZY SYSTEMS, Vol. 20, No. 3, pp. 115 - 126, 2023	M21a
13	Y. Bagul, C. Chesneau, M. Kostić, T. Lutovac, B. Malešević, M. Rašajski, Convexity and double-sided Taylor's approximations, Hacettepe Journal of Mathematics and Statistics, Vol. 52, No. 1, pp. 560 - 571, 2023	M22
14	B. Malešević, M. Mićović, Exponential Polynomials and Stratification in the Theory of Analytic Inequalities, Journal of Science and Arts, Vol. 23, No. 3, pp. 659 - 670, Sep, 2023	M23
15	Modelling as Geometric Pattern in Designing Architectural Structures, TECNOLOGIA Y CIENCIAS DEL AGUA ****-**** TEHNICKI VJESNIK-TECHNICAL GAZETTE, Vol. 30, No. 5, pp. 1611 - 1619, 2023	M22
16	M. Petrović, B. Malešević, Hugelschaffer egg curve and surface, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 17, No. 1, pp. 179 - 196, 2023	M21
17	L. Zhu, B. Malešević, New inequalities of Huygens-type involving tangent and sine functions, Hacettepe Journal of Mathematics and Statistics, Vol. 52, No. 1, pp. 36 - 61, 2023	M22
18	C. Chen, B. Malešević, A method to prove inequalities and its applications, Journal of Mathematical Inequalities, Vol. 16, No. 3, pp. 923 - 945, 2022	M21a+
19	C. Qian, X. Chen, B. Malešević, Tighter bounds for the inequalities of Sinc function based on reparameterization, REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, Vol. 116, No. 29, pp. 1 - 38, 2022	M21a+
20	Y. Bagul, B. Banjac, C. Chesneau, M. Kostić, B. Malešević, New Refinements of Cusa-Huygens Inequality, RESULTS IN MATHEMATICS, Vol. 76, No. 107, pp. 1 - 16, 2021	M21a

Collective data of scientific teacher activities

Total number of citations, without auto-citations	378	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	59	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Editor in Chief of journal Applicable Analysis and Discrete Mathematics

Head of Center for Applied Mathematics

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Maluckov Aleksandra
Teaching position	science advisor
Narrow scientific (artistic) field	Theoretical physics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2012.	Vinca Institute for Nuclear Sciences, Nacional Institute of the Republic of Serbia, University of Belgrade	Physics	Theoretical Physics
Doctoral degree	2001	SOKENDAI- Graduate University for Advanced Studies, Japan	Physics	Theoretical Physics
Specialization				
MSc/MA degree	1997	Faculty of Physics University of Belgrade, Serbia	Quantum, classical and mathematical physics	Theoretical physics
Master's degree				
Bachelor diploma	1991	Department of Physics, Faculty of Philosophy, University of Niš, Serbia	Physics	Theoretical Physics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Design and implementation of integrated photonics components in optical lattices	Kolja Bugarski	2024	
2	Creation and dynamics of topologically protected modes in photonic lattices	Milica Nedic	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	Bugarski K., Maluckov A., Vicencio R. A., Johansson M., Edge modes in strongly nonlinear saturable SSH photonic lattices: Tracing a bulk-edge correspondence through instabilities and bifurcations, CHAOS SOLITONS & FRACTALS, vol. 193, 116086 (2025)	M21a+
2	C'aceras-Aravena G. , Nedic M., Vildoso P., Gligoric G., Petrovic J., Maluckov A., Vicencio R. A., Compact Topological Edge States in Flux-Dressed Graphenelike Photonic Lattices, Phys. Rev. Letters 133 (11) 116304 (2024)	M21a
3	Mithun T, Maluckov A, Mancic A, Khare A, Kevrekidis P G, How close are integrable and nonintegrable models: A parametric case study based on the Salerno model, PHYSICAL REVIEW E, vol. 107, 024202 (2023)	M21
4	Maluckov A., Smolina E., Leykam D.|, Gundogdu S.,Angelakis D. G., Smirnova D. A, Nonlinear signatures of Floquet band topology, PHYSICAL REVIEW B, vol. 105, 115133 (2022)	M21
5	Leykam D, Smolina E., Maluckov A., Flach S.,Smirnova D. A. Probing Band Topology Using Modulational Instability, PHYSICAL REVIEW LETTERS, vol. 126, 073901 (2021)	M21a

6	Stojanovic M, Vildoso P, Bugarski K,Parra PM, Maluckov A,Vicencio R A, Petrovic J (2025) Wavelength demultiplexers based on finite photonic lattices, JOURNAL OF OPTICS, vol. 27, No. 5, p. 055801	M22
7	Bugarski K., Maluckov A.,Petrovic J. , W-state generation and verification in linearly coupled waveguide arrays, JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol. 58, 015503 (2025).	M22
8	Belicev P.P., Gligoric G., Maluckov A., Hadzievski Lj., Turitsyn S. , Topological Charge Switch in Active Multi-Core Fibers, ANNALEN DER PHYSIK, vol. 533, 2170027 (2021)	M22
9	Chang N,Gundogdu S,Leykam D,Angelakis D G,Kou S,Flach S,Maluckov A, Nonlinear Bloch wave dynamics in photonic Aharonov-Bohm cages, APL PHOTONICS, vol. 6, 030801 , R. (2021)	M21
10	G. Gligoric, D. Leykam, A. Maluckov, “Influence of different disorder types on Aharonov-Bohm caging in the diamond chain “, Phys. Rev. A. 101, 023839 (2020).	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	~1000	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	95	Number of international projects in which the teacher is currently participating	1

Professional training

2020-2021 Visiting researcher (sabbatical) Theoretical Physics of Complex Systems, Institute of Basic Sciences, Daejeon, South Korea
2018., 2019. Visiting researcher, Aston University, Birmingham, UK
2018. Visiting researcher, University of Brescia, Italy
2018. Visiting researcher, Department of Physics, Universidad de Chile, Santiago de Chile

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Marković Goran
Teaching position	associate professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2005.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	1998.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	I. Novkovic, G. B. Markovic, D. Lukic, S. Dragicevic, M. Milosevic, S. Djurdjic, I. Samardzic, T. Lezaic, M. Tadic, GIS-Based Forest Fire Susceptibility Zonation with IoT Sensor Network Support, Case Study – Nature Park Golija, Serbia, Sensors, Vol. 21, No. 19:6520, pp. 1 - 29, MDPI, September, 2021, ISSN: 1424-8220, doi: 10.3390/s21196520, IF2021 = 3.847.	M21
2	G. B. Markovic, V. S. Sokolovic, M. L. Dukic,Distributed Hybrid Two-Stage Multi-Sensor Fusion for Cooperative Modulation Classification in Large-Scale Wireless Sensor Networks, Sensors, Vol. 19, No. 19: 4339, pp. 1-23, MDPI, October, 2019, ISSN: 1424-8220, doi: 10.3390/s19194339, IF2019 = 3.275.	M21
3	Đ. Lukic, G. B. Markovic, D. D. Drajić, Two-Stage Precoding Based on Overlapping User Grouping Approach in IoT-Oriented 5G MU-MIMO Systems, Wireless Communications and Mobile Computing, Vol. 2021, Article ID 8887445, pp. 1-13, Hindawi, January, 2021, ISSN: 1530-8669, doi: 10.1155/2021/8887445, IF2021 = 2.146.	M22
4	R. P. Dabetić, G. B. Marković, A low-complexity transmit combining method for downlink of massive multiuser multiple input multiple output systems, Electronics Letters, Vol. 59, No. 10, pp. e12771-3 pages, May, 2023, ISSN: 0013-5194, doi:10.1049/ell2.12771, IF2023 = 0.700.	M23

5	G. Marković, V. Sokolović, A Robust Cooperative Modulation Classification Scheme with Intra-sensor Fusion for the Time-correlated Flat Fading Channels, Defence Science Journal, Vol. 70, No. 1, pp. 60-65, February 2020, ISSN: 0011-748X, doi: 10.14429/dsj.70.14687, IF2020 = 0.707.	M23
6	G. B. Markovic, M. L. Dukic, Cooperative modulation classification with data fusion for multipath fading channels, Electronics Letters, Vol. 49, No. 23, pp. 1494-1496, IET, November, 2013, ISSN: 0013-5194, doi: 10.1049/el.2013.1028, IF2013 = 1.068.	M22
7	G. B. Markovic, M. L. Dukic, Joint cumulant estimate correction and decision for cooperative modulation classification by using multiple sensors, Annales des télécommunications - Annals of telecommunications, Vol. 70, No. 5 - 6, pp. 197-206, June, 2015, ISSN: 0003-4347, doi: 10.1007/s12243-014-0437-4, IF2015 = 0.722.	M22
8	V. S. Sokolović, G. D. Dikić, G. B. Marković, R. Stančić, N. Lukić, INS/GPS Navigation System Based on MEMS Technologies, Strojniski vestnik = Journal of Mechanical Engineering, Vol. 61, No. 7 - 8, pp. 448-458, August, 2015, ISSN: 0039-2480, doi: 10.5545/sv-jme.2014.2372, IF2015 = 0.677.	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	95	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	8	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

IEEE Member. Member of Telecommunication Society in Belgrade and Member of Managing Board.

Member of Serbian Chamber of Engineers. Licensed designer of telecommunication networks and systems.

Member or Reviewer of the Republic Review Commission for the expert control of technical documentation for objects of importance for the Republic since 2016 (named by Serbian Ministry of Construction,Transport and Infrastructure).

Member of Serbian Chamber of Engineers Comission for professional examination and issuance of licences for the field of electrical engineering, sub-speciality area of electronics and telecommunications, since 2020

Member of the Organizing Comittee of the annual International conference Telecommunication forum (TELFOR).

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Matavulj Petar
Teaching position	full professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Specialization				
MSc/MA degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1994.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher ir

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Modelling and Design of Optical Resonators in Integrated Silicon Technology	Tatjana Keča	2012.	2016.
2	Action of Pulsed Lasers on Titanium Target: Surface Effects	Jovan Ciganović	2016.	2020.
3	Energy-Efficient Ethernet Passive Optical Networks based on Wavelenght Division Multiplexing	Bojan Pajčin	2016.	2022.
4	Characterization of Infrared Search and Tracking Systems for Monitoring of Moveable Objects	Dragan Knežević	2017.	2021.
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Mirjana Radivojević, Petar Matavulj. The way toward truly QoS-aware EPON. Photonic Network Communications, pp. 125-138 vol. 47, 2024. (ISSN 1387-974X)	M23
2	Dragan M. Knežević, Petar S. Matavulj, Zoran M. Nikolić. Modeling of aircraft infrared signature based on comparative tracking. Optik, 165782(7p), vol. 225, no.1, 2021. (ISSN 0030-4026)	M22
3	Milan Stanojević, Jovana Gojanović, Petar Matavulj, and Sandra Živanović. Organic solar cell physics analyzed by Shockley diode equation. Optical and Quantum Electronics, 345(10p), vol. 52, no. 7, 2020. (ISSN 0306-8919)	M22
4	Ali R. Khalf, Jovana P. Gojanović, Nataša A. Ćirović, Sandra Živanović, and Petar S. Matavulj, The Impact of Surface Processes on the J-V Characteristics of Organic Solar Cells. IEEE Journal of Photovoltaics, pp. 514-521, vol. 20, no. 2, 2020. (ISSN 2156-3381)	M21

5	Mirjana Radivojević, Petar Matavulj. Techno-economic analysis of multiservice EPON deployment. Transactions on Emerging Telecommunications Technologies, e3613, vol. 30, no. 6, 2019. (ISSN 2161-3915)	M22
6	Bojan Pajčin, Petar Matavulj and Mirjana Radivojević. Improving quality of service in four-channel WDM Ethernet passive optical network. Optical and Quantum Electronics, 371(14p), vol. 50, no. 10, 2018. (ISSN 0306-8919)	M22
7	Bojan Pajčin, Petar Matavulj and Mirjana Radivojević. Analysis of Online DBA Algorithm with Adaptive Sleep Cycle in WDM EPON. Fiber and Integrated Optics, pp. 171-184, vol. 37, no. 3, 2018. (ISSN 0146-8030)	M23
8	J. Ciganović, P. Matavulj, M. Trtica, J. Stašić, J. Savović, S. Živković and M. Momčilović. Pulsed TEA CO2 Laser Irradiation of Titanium in Nitrogen and Carbon Dioxide Gases. Russian Journal of Physical Chemistry A, vol 91, no. 13, pp. 2696-2701, 2017. (ISSN 0036-0244)	M23
9	Tatjana P. Keča, William R, Headley, Goran Z. Mashanovich and Petar S. Matavulj. Repeated passing principle for propagation in optical resonators. Optical Review, pp. 254-259, vol. 23, no. 2, 2016. (ISSN 1340-6000)	M23
10	Bojan Pajčin, Petar Matavulj and Mirjana Radivojević. Simulation analysis of energy efficient WDM ethernet passive optical network. Optical and Quantum Electronics, 313(7p), vol. 48, no. 6, 2016. (ISSN 0306-8919)	M22
11	Aleksandar D. Stojanović, Rubens Viana Ramos and Petar S. Matavulj Authenticated B92 QKD protocol employing synchronized optical chaotic systems. Optical and Quantum Electronics, 285(7p), vol. 48, no. 5, 2016. (ISSN 0306-8919)	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	352	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	38	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Mihailović Bojana
Teaching position	Assisant professor
Narrow scientific (artistic) field	Applied Mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022	University of Belgrade - School of Electrical Engineering	Mathematics	Applied Mathematics
Doctoral degree	2016	University of Belgrade - Faculty of Mathematics	Mathematics	Graph Theory
Specialization				
MSc/MA degree	2008.	University of Belgrade - School of Electrical Engineering	Applied Mathematics	Graph Theory
Master's degree				
Bachelor diploma	1985	University of Belgrade - Faculty of Sciences	Mathematics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	B. Malešević, M. Mićović, B. Mihailović, T. Lutovac, V. Šešum-Čavić, The best constants in some new sharp bounds for sinc function, Afrika Matematika, Vol. 36, No. 81, pp. 1-16, Apr, 2025. doi:10.1007/s13370-025-01288-8	M21
2	B. Malešević, M. Mićović, B. Mihailović, T. Lutovac, A new approach to selecting constants for some analytic inequalities, Journal of Mathematical Inequalities, Vol. 19, No. 1, pp. 223-245, Mar, 2025. doi:10.7153/jmi-2025-19-15	M22
3	B.Malešević, B.Mihailović, M. Nenezić Jović, M. Mićović, L. Milinković, Some generalisations and minimax approximants of D'Aurizio trigonometric inequalities, Acta Universitatis Sapientiae, Mathematica, Vol. 16, No. 2, pp. 263-277, Dec, 2024. doi:10.47745/ausm-2024-0020	M22
4	B. Malešević, M. Mićović, B. Mihailović, A Parametric Method for Proving Some Analytic Inequalities, Axioms, Vol. 13, No. 8, pp. 1-23, Aug, 2024. doi:10.3390/axioms13080520	M21a+

5	B. Banjac, B. Malešević, M. Mićović, B. Mihailović, M. Savatović, The best possible constants approach for Wilker-Cusa-Huygens inequalities via stratification, Appl. Anal. Discrete Math., Vol. 18, No. 1, pp. 244-288, Apr, 2024. (IF 1.4, M21a, ISSN 1452-8630) doi:10.2298/AADM240308012B	M22
6	B. Malešević, Б. Михаиловић, A minimax approximant in the theory of analytic inequalities, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 15, No. 2, pp. 486 - 509, 2021, doi:10.2298/AADM210511032M	M21
7	B. Mihailović, M. Rašajski, Some graph mappings that preserve the sign of λ2-r, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 11, No. 1, 2017,	M21
8	B. Mihailović, M. Rašajski, Z. Stanić, Reflexive cacti – a survey, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 10, No. 2, 2016	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	22	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	11	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Mihailović Peđa
Teaching position	Full professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2007.	University of Belgrade - School of Electrical Engineering		
Specialization				
MSc/MA degree	2002.	University of Belgrade - School of Electrical Engineering		
Master's degree				
Bachelor diploma	1998.	University of Belgrade - School of Electrical Engineering		

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Response characterization of a Morpho butterfly's wing as a holographically interrogated imaging sensor	Petar Atanasijević	2022	2024
2	Radiation Effects in Silicon Photonics Optical Links	Milana Lalović	2022	2024
3	Composite materials testing using embedded fiberoptic sensors by controlled energy impact	Miloš Petrović	2015	2016
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	P. Mihailovic, S. Petricevic, "Fiber Optic Sensors Based on the Faraday Effect", Sensors, Vol 21, No 19, September 2021	M21
2	P Atanasijevic, P Mihailovic, "Temperature compensation of NTC thermistors based anemometer", Sensors and Actuators A: Physical, Vol 285, January 2019, pp. 210-215	M21
3	L. Brajovic , D. Stojanovic, P. Mihailovic, S. Markovic, M. Romcevic, M. Mitric, V. Lazovic, D. Dramlic, S. Petricevic, N. Romcevic, "Preparation and characterization of bismuth germanium oxide (BGO) polymer composites", Journal of Alloys and Compounds, Vol 695, No 1, 2017, pp. 841-849	M21A
4	S. Petricevic, P. Mihailovic, "Compensation of Verdet Constant Temperature Dependence by Crystal Core Temperature Measurement", Sensors, Vol 16, No 10, 2016, pp. 1627- 1633	M21
5	M. Petrovic, P. Mihailović, L. Brajovic, S. Petričević, I. Zivkovic, A. Kojovic, V. Radojevic, "Intensity Fiber-Optic Sensor for Structural Health Monitoring Calibrated by Impact Tester", IEEE Sensors Journal, Vol 16, No 9, 2016, pp. 3047-3053	M21
6	P. Mihailovic, S. Petricevic, J. Radunovic, „Compensation for temperature-dependence of the Faraday effect by optical activity temperature shift", IEEE Sensors Journal, Vol. 13 (2), 2013, pp. 832-837	M21

7	Z. Lazarević, P. Mihailović, S. Kostić, M. J. Romčević, M. Mitrić, S. Petričević, J. Radunović, M. Petrović-Damjanović, M. Gilić, N. Romčević, „Determination of magneto-optical quality and refractive index of bismuth germanium oxide single crystals grown by Czochralski technique“,	M21
8	S. J. Petricevic, P. Mihailovic, J. Radunovic, „A miniature Pockels cell with novel electrode geometry“, Sensors, Vol. 9 (7), 2009, pp. 5298-5307	M21
9	P. Mihailovic, S. Petricevic, S. Stankovic, J. Radunovic, „Temperature dependence of the Bi12GeO20 optical activity“, Optical Materials, Vol. 30 (7), 2008, pp. 1079-1082	M22
10	P. Mihailovic, S. Petricevic, Z. Stojkovic, J. B. Radunovic, „Development of a portable fiber-optic current sensor for power systems monitoring“, IEEE Transactions on Instrumentation and Measurement, Vol. 53 (1), 2004, pp. 24-30	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	271	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	25	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Mihić Dragan
Teaching position	associate professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Doctoral degree	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Specialization				
MSc/MA degree				
Master's degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Bachelor diploma	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	D. Mihić, M. Terzić, S. Vukosavić, A New Nonlinear Analytical Model of the SRM With Included Multiphase Coupling, IEEE TRANSACTIONS ON ENERGY CONVERSION, Vol. 32, No. 4, pp. 1322 - 1334, Dec, 2017, doi: 10.1109/TEC.2017.2707587.	M21
2	Dragan S. Mihic, Mladen V. Terzic, Zarko V. Koprivica, Non-linear model of the switched reluctance motor with included core losses' effects, IET ELECTRIC POWER APPLICATIONS, Vol. 15, No. 11, pp. 1466-1478, Nov, 2021, https://doi.org/10.1049/elp2.12114.	M22
3	M. Terzić, D. Mihić, S. Vukosavić, Impact of Rotor Material on the Optimal Geometry of High-Speed Drag-Cup Induction Motor, IEEE TRANSACTIONS ON ENERGY CONVERSION, Vol. 3, No. 2, pp. 455 - 465, Jun, 2016, doi: 10.1109/TEC.2015.2507783.	M21
4	D. Mihić, M. Terzić, B. Brković, S. Vukosavić, A novel modular power converter for SRM drive, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), pp. 1-17, Jan, 2020., https://doi.org/10.1007/s00202-020-00923-w	M22

5	M. Terzić, D. Mihić, S. Vukosavić, Design of High-Speed, Low-Inertia Induction Machines With Drag-Cup Rotor, IEEE TRANSACTIONS ON ENERGY CONVERSION, Vol. 29, No. 1, pp. 169 - 177, Mar, 2014, doi: 10.1109/TEC.2013.2289352.	M21
6	Mihić, D.S.; Brkovic, B.M.; Terzic, M.V. Asymmetrical Four-Phase 8/6 Switched Reluctance Motor for a Wide Constant Power Region. Machines 2024, 12, 454, https://doi.org/10.3390/machines12070454	M22
7	M. Terzic, D. Mihic, Switched Reluctance Motor Design for a Mid-Drive E-Bike Application, Machines 2022, 10, 642, https://doi.org/10.3390/machines10080642	M22
8	M. Terzić, D. Mihić, S. Vukosavić, Stator Design and Air Gap Optimization of High Speed Drag-Cup Induction Motor using FEM, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Vol. 13, No. 3, pp. 93 - 100, Aug, 2013, doi:10.4316/AECE.2013.03015.	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	92	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	8	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Mikulović Jovan
Teaching position	full professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2020.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Doctoral degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Specialization				
MSc/MA degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electrical power systems
Master's degree				
Bachelor diploma	1994.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Planning of Consumption in Microgrids and Power Systems with Renewable Energy Sources Using	Lena Zec	2024	2025
2	Prediction of High-Voltage Equipment's Insulation System Status by Applying Law on Increasing	Filip Zec	2023	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Forcan, Ž. Đurišić, J. Микуловић, An algorithm for elimination of partial shading effect based on a Theory of Reference PV String, SOLAR ENERGY, pp. 51 - 63, 2016	M21
2	L. Zec, J. Mikulović, M. Žarković, Application of artificial neural network to power consumption forecasting for the Sarajevo region, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), Sep, 2024	M22
3	J. Mikulović, T. Šekara, M. Forcan, Power definitions for three-phase systems in terms of instantaneous symmetrical components, International Journal of Electrical Power & Energy Systems, Vol. 147, pp. 1 - 11, May, 2023	M21
4	Marko Ikić, Jovan Mikulović, Experimental Evaluation of Distrortion Effect for Grid-Connected PV Systems with Reference to Different Types of Electric Power Quantities, ENERGIES, Vol. 15, No. 2, pp. 416 - 416, Jan, 2022	M22

5	Lena Zec, Jovan Mikulović, Different Concepts of Grid-Connected Microgrids with a PV System, Battery Energy Storage, Feed-in Tariff, and Load Management Using Fuzzy Logic, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Vol. 22, No. 3, pp. 33 - 42, 2022	M23
6	Lena Zec, Jovan Mikulović, Load management in an off-grid hybrid PV–wind–battery system using the power flow control algorithm and fuzzy logic controller, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), Vol. 104, No. 43, pp. 1 - 11, 2022	M22
7	T. Šekara, J. Mikulović, Ž. Đurišić, Optimal reactive compensators in power systems under asymmetrical and nonsinusoidal conditions , IEEE TRANSACTIONS ON POWER DELIVERY, Vol. 23, No. 2, pp. 974 - 984, Apr, 2008	M21
8	Ž. Đurišić, J. Mikulović, I. Babić, Impact of wind speed variations on wind farm economy in the open market conditions, RENEWABLE ENERGY, Vol. 46, pp. 289 - 296, Oct,	M21
9	Ž. Đurišić, J. Mikulović, Assessment of the Wind Energy Resource in the South Banat Region, Serbia, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Vol. 16, No. 5, pp. 3014 - 3023, Jun, 2012	M21a
10	Ž. Đurišić, J. Mikulović, A model for vertical wind speed data extrapolation for improving wind resource assessment using WAsP, RENEWABLE ENERGY, pp. 407 - 411, 2012	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	349	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	22	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Milićev Dragan
Teaching position	full professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Specialization				
MSc/MA degree	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1993.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Parallel Memory Subsystems for Image and Video Processing on Mobile Devices	Radomir Jakovljević	2014	2015
2	Optimization of Data Access in Object-Relational Mapping Based on Denormalization	Nemanja Kojić	2017	2019
3	Development of Business Processes Information Systems by Demonstration	Julijana Lekić	2011	2016
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	D. Milićev, Ž. Šuštran, Rewriting Queries for Hyper-Relations, IEEE TRANSACTIONS KNOWLEDGE AND DATA ENGINEERING, Vol. 36, No. 9, pp. 4862-4873, Sep, 2024.	M21a+
2	D. Milićev, Hyper-relations: A Model for Denormalization of Transactional Relational Databases, IEEE TRANSACTIONS KNOWLEDGE AND DATA ENGINEERING, Vol. 35, No. 4, pp. 3979-3990, Apr, 2023. doi:10.1109/TKDE.2021.3124134	M21a+
3	J. Lekić, D. Milićev, Weakly Complete Event Logs in Process Mining, COMPUTING AND INFORMATICS, Vol. 40, No. 2, pp. 341-367, Oct, 2021. doi:10.31577/cai.2021.2.341	M23
4	J. Lekić, D. Milićev, D. Stanković, Generating Block-Structured Parallel Process Models by Demonstration, Applied Sciences, Vol. 11, No. 4:1876, pp. 1-17, Feb, 2021.	M22

5	N. Kojić, D. Milićev, Equilibrium of Redundancy in Relational Model for Optimized Data Retrieval, IEEE TRANSACTIONS KNOWLEDGE AND DATA ENGINEERING, Vol. 32, No. 9, pp. 1707-1721, Sep, 2020. doi:10.1109/TKDE.2019.2911580	M21
6	R. Jakovljević, A. Berić, E. van Dalen, D. Milićev, New access modes of parallel memory subsystem for sub-pixel motion estimation, JOURNAL OF REAL-TIME IMAGE PROCESSING, Vol. 15, No. 2, pp. 279-296, Aug, 2018. doi:10.1007/s11554-014-0481-3	M21
7	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, A Systematic Approach to Generation of New Ideas for PhD Research in Computing, ADVANCES IN COMPUTERS, Vol. 104, pp. 1-31, Feb, 2017. doi:10.1016/bs.adcom.2016.09.001	M22
8	J. Lekić, D. Milićev, Discovering Block-Structured Parallel Process Models from Causally Complete Event Logs, JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, Vol. 67, No. 2, pp. 111-123, Apr, 2016. doi:10.1515/jee-2016-0016	M23
9	V. Milovanović, D. Milićev, An interactive tool for UML class model evolution in database applications, SOFTWARE AND SYSTEMS MODELING, Vol. 14, No. 3, pp. 1273-1295, 2015. doi:10.1007/s10270-013-0378-9	M21
10	Ž. Mijailović, D. Milićev, Empirical Analysis of GUI Programming Concerns, INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES, Vol. 72, No. 10-11, pp. 757-771, Oct, 2014. doi:10.1016/j.ijhcs.2014.04.002	M21a
11	Ž. Mijailović, D. Milićev, A Retrospective on User Interface Development Technology, IEEE SOFTWARE, Vol. 30, No. 6, pp. 76-83, Nov, 2013. doi:10.1109/MS.2013.45	M21
12	D. Milićev, Ž. Mijailović, Capsule-Based User Interface Modeling for Large-Scale Applications, IEEE TRANSACTIONS SOFTWARE ENGINEERING, Vol. 39, No. 9, pp. 1190-1207, Sep, 2013. doi:10.1109/TSE.2013.8	M21a
13	D. Milićev, Towards Understanding of Classes versus Data Types in Conceptual Modeling and UML, COMPUTER SCIENCE AND INFORMATION SYSTEMS - COMSIS, Vol. 9, No. 2, pp. 506-538, Jun, 2012. doi:10.2298/CSIS110716006M	M23
14	D. Milićev, On the Semantics of Associations and Association Ends in UML, IEEE TRANSACTIONS SOFTWARE ENGINEERING, Vol. 33, No. 4, pp. 238-251, Apr, 2007. doi:10.1109/TSE.2007.37	M21a
15	D. Milićev, Z. Jovanović, Control Flow Regeneration for Software Pipelined Loops with Conditions, INTERNATIONAL JOURNAL OF PARALLEL PROGRAMMING, Vol. 30, No. 3, pp. 149-179, Jun, 2002. doi:10.1023/A:1015453520790	M23
16	D. Milićev, Automatic Model Transformations Using Extended UML Object Diagrams in Modeling Environments, IEEE TRANSACTIONS SOFTWARE ENGINEERING, Vol. 28, No. 4, pp. 413-431, Apr, 2002. doi:10.1109/TSE.2002.995438	M21a
17	D. Milićev, Domain Mapping Using Extended UML Object Diagrams, IEEE SOFTWARE, Vol. 19, No. 2, pp. 90-97, Mar, 2002. doi:10.1109/52.991369	M21
18	D. Milićev, Z. Jovanović, Sources of Parallelism in Software Pipelining Loops with Conditional Branches, ACM SIGPLAN NOTICES, Vol. 35, No. 2, pp. 36-45, Feb, 2000.	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	128	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Miljković Nadica
Teaching position	Full Professor
Narrow scientific (artistic) field	Biomedical Technique

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Biomedical Engineering
Doctoral degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Biomedical Engineering
Specialization				
MSc/MA degree				
Master's degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Bachelor diploma	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Methods for assessment of electrical activity of smooth muscles	Nenad B. Popović	2019	2021
2	Characterization of cardiographic signals using methods of statistical analysis and machine learning	Ilija Tanasković	2024	

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	N. N. Radovanović, M. M. Platiša, N. Miljković, Malignant ventricular arrhythmias prediction based on cardiorespiratory signals analysis and machine learning approach, Biomedical Signal Processing and Control, Vol. 112, No. D, pp. 1 - 13, Feb, 2026, https://doi.org/10.1016/j.bspc.2025.108743	M21
2	Đ. D. Nešković, K. Stojmenova Pečečnik, J. Sodnik, N. Miljković, Contactless Pulse Rate Assessment: Results and Insights for Application in Driving Simulators, Applied Sciences, Vol. 15, No. 17, pp. 1 - 29, Aug, 2025, https://doi.org/10.3390/app15179512	M21
3	J. Medarević, N. Miljković, K. Stojmenova Pečečnik, J. Sodnik, Distress detection in VR environment using Empatica E4 wristband and Bittium Faros 360, Frontiers in Physiology, Vol. 16, pp. 1 - 17, Mar, 2025, https://doi.org/10.3389/fphys.2025.1480018	M21
4	C. Hu, Z. Xu, A. Lazić, P. Bhattacharya, L. Seda, S. Hossain, A. Jeftić, A. Ali Özdoğru, O. B. Amaral, N. Miljković, ..., F. Azevedo, Open Science in the Developing World: A Collection of Practical Guides for Researchers in Developing Countries, Advances in Methods and Practices in Psychological Science, Vol. 8, No. 3, pp. 1 - 26, Jul, 2025, https://doi.org/10.1177/25152459251357565	M21a+
5	I. Tanasković, Lj. B. Lazarević, G. Knežević, N. Milosavljević, O. Dubljević, B. Bjegojević, N. Miljković, CardioPRINT: Biometric identification based on the individual characteristics derived from the cardiogram, Expert Systems with Applications, Vol. 265, pp. 1 - 17, Dec, 2024, https://doi.org/10.1016/j.eswa.2024.126018	M21a
6	M. Ćosić, N. Miljković, The global morphological analysis of a time-delay embedding of the scalar time series, Nonlinear Dynamics, Vol. 112, pp. 15133 - 15161, Jun, 2024, https://doi.org/10.1007/s11071-024-09750-1	M21a
7	N. Miljković, N. Milenić, N. B. Popović, J. Sodnik, Data augmentation for generating synthetic electrogastrogram time series, Medical and Biological Engineering and Computing, Vol. 62, pp. 2879 - 2891, May, 2024, https://doi.org/10.1007/s11517-024-03112-0	M21

8	N. Miljković, J. Sodnik, Effectiveness of a time to fixate for fitness to drive evaluation in neurological patients, Behavior Research Methods, Vol. 56, pp. 4277 - 4292, Jul, 2023, https://doi.org/10.3758/s13428-023-02177-3	M21a+
9	I. Tanasković, N. Miljković, A new algorithm for fetal heart rate detection: Fractional order calculus approach, Medical Engineering & Physics, Vol. 118, Jun, 2023, https://doi.org/10.1016/j.medengphy.2023.104007	M22
10	G. Jakus, J. Sodnik, N. Miljković, Electrogastrogram-Derived Features for Automated Sickness Detection in Driving Simulator, Sensors, Vol. 22, No. 22, pp. 1 - 20, Nov, 2022, http://doi.org/10.3390/s22228616	M21
11	T. Boljanić, N. Miljković, L. Lazarević, G. Knežević, G. Milašinović, Relationship between electrocardiogram-based features and personality traits: Machine learning approach, Annals of Noninvasive Electrocardiology, No. e12919, pp. 1 - 11, Nov, 2021, http://doi.org/10.1111/anec.12919	M23
12	N. Miljković, M. Isaković, Effect of the sEMG electrode (re)placement and feature set size on the hand movement recognition, Biomedical Signal Processing and Control, Vol. 64, No. 102292, pp. 1 - 11, Feb, 2021, http://doi.org/10.1016/j.bspc.2020.102292	M21
13	T. Gruden, N. B. Popović, K. Stojmenova, G. Jakus, N. Miljković, S. Tomažič, J. Sodnik, Electrogastrography in Autonomous Vehicles—An Objective Method for Assessment of Motion Sickness in Simulated Driving Environments, Sensors, Vol. 21, No. 2, pp. 550:1 - 20, Jan, 2021, http://doi.org/10.3390/s21020550	M21
14	O. Djordjevic, L. Konstantinović, N. Miljković, Difference between subjects in early chronic phase of low back pain with and without neuropathic component: observational cross-sectional study, European Journal of Physical and Rehabilitation Medicine, Vol. 55, No. 2, pp. 217 - 224, Apr, 2019, http://doi.org/10.23736/S1973-9087.18.05226-7	M21
15	N. B. Popović, N. Miljković, K. Stojmenova, G. Jakus, M. Prodanov, J. Sodnik, Lessons learned: Gastric motility assessment during driving simulation, Sensors, Vol. 19, No. 14, pp. 3175:1 - 15, Jul, 2019, http://doi.org/10.3390/s19143175	M21
16	N. B. Popović, N. Miljković, M. B. Popović, Simple gastric motility assessment method with a single-channel electrogastrogram, Biomedical Engineering / Biomedizinische Technik, Vol. 64, No. 2, pp. 177 - 185, Apr, 2018, http://doi.org/10.1515/bmt-2017-0218	M23
17	N. Miljković, N. Popović, O. Djordjevic, L. Konstantinović, T. Šekara, ECG artifact cancellation in surface EMG signals by fractional order calculus application, Computer Methods and Programs in Biomedicine, Vol. 140, pp. 259 - 264, Mar, 2017, http://doi.org/10.1016/j.cmpb.2016.12.017	M21
18	N. Miljković, N. Malešević, V. Kojić, G. Bijelić, T. Keller, D.B. Popović, Recording and assessment of evoked potentials with electrode arrays, Medical and Biological Engineering and Computing, Vol. 53, No. 9, pp. 857 - 867, Sep, 2015, http://doi.org/10.1007/s11517-015-	M22
19	O. Djordjevic, L. Konstantinović, N. Miljković, G. Bijelić, Relationship between electromyographic signal amplitude and thickness change of the trunk muscles in subjects with and without low back pain, Clinical Journal of Pain, Vol. 31, No. 10, pp. 893 - 902, Oct, 2015, http://doi.org/10.1097/AJP.0000000000000179	M21
20	N. Miljković, I. Milovanović, A. Dragin, L. Konstantinović, D. Popović, Muscle synergies with Walkaround® postural support vs. “cane/therapist” assistance, Neurorehabilitation, Vol. 33, pp. 491 - 501, Dec, 2013, http://doi.org/10.3233/NRE-130982	M21

Collective data of scientific teacher activities

Total number of citations, without auto-citations	257	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	26	Number of international projects in which the teacher is currently participating	0

Professional training

In biomedical engineering, electrical engineering, ethics, and open science.

Other relevant data

Wrote two open textbooks and one open workbook.

Active in promotion of open science, especially in regards to open hardware and computational reproducibility.

Awarded for her research and for other contributions (*e.g.* , gender equality).

Led one EU and one international commercial project.

Engaged in research at the University of Ljubljana and used to be engaged in teaching at the Military academy in Belgrade.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Milovanović Gradimir
Teaching position	Professor, Full member of SASA
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	1986.	University of Niš - Faculty of Electronic Engineering	Mathematics	Applied Mathematics
Doctoral degree	1976.	University of Niš	Mathematics	Mathematics
Specialization				
MSc/MA degree	1974.	University of Niš	Mathematics	Numerical Analysis
Master's degree				
Bachelor diploma	1971.	University of Niš - Faculty of Electronic Engineering	Electronics and Computer Science	Computer Science

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Development of rational algorithms for constructing orthogonal polynomials in one variable	Marjan Matejić	2016	2016
2	Some modifications of classical measures, corresponding orthogonal polynomials and quadratures of Gaussian type	Nevena Vasović	2020	2021
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	F. Dell'Accio, A. Guessab, G.V. Milovanović, F. Nudo: Truncated Gegenbauer-Hermite weighted approach for the enrichment of the Crouzeix-Raviart finite element, BIT 65:24 (2025), 24 pp.; https://doi.org/10.1007/s10543-025-01069-6.	M21
2	G.V. Milovanović, A. Mir: On annuli containing all the zeros of a polynomial with quaternionic coefficients, Appl. Comput. Math. 24 (2) (2025), 264 – 276; DOI: 10.30546/1683-6154.24.2.2025.264.	M21a+
3	E. Hacioğlu, M. Ertürk, F. Gürsoy, G.V. Milovanović: Flexible and efficient iterative solutions for general variational inequalities in real Hilbert spaces, Axioms 2025, 14(4), 288; 24 pp.; https://doi.org/10.3390/axioms14040288.	M21
4	F. Dell'Accio, A. Guessab, G.V. Milovanović, F. Nudo: Reconstructing algebraic functions from a nonconforming exponential weighted enriched finite element, J. Comput. Appl. Math. 466 (2025). Paper No. 116603, 12 pp.; https://doi.org/10.1016/j.cam.2025.116603.	M21a

5	G.V. Milovanović: Orthogonal polynomials on radial rays in the complex plane: construction, properties and applications, Axioms 2025, 14(1), 65; 33 pp.; https://doi.org/10.3390/axioms14010065.	M21
6	C. Allouch, G.V. Milovanović: Gauss quadrature rules for integrals involving weight functions with variable exponents and an application to weakly singular Volterra integral equations, IMA J. Numer. Anal. (2025), 1 – 28; https://doi.org/10.1093/imanum/drae088.	M21a
7	G.V. Milovanović, F. Qi: Closed-form formulas of two Gauss hypergeometric functions of specific parameters, J. Math. Anal. Appl. 543 (2025) 129024; https://doi.org/10.1016/j.jmaa.2024.129024	M21a
8	Y. Atalan, E. Hacioğlu, M. Ertürk, F. Gürsoy, G.V. Milovanović: Novel algorithms based on forward-backward splitting technique: Effective methods for regression and classification, J. Global Optim. 90 (2024), 869 – 890; https://doi.org/10.1007/s10898-024-01425-w.	M21
9	W. Gautschi, G.V. Milovanović: A Ramanujan integral and its derivatives: Computation and analysis, Math. Comp. 93 (2024), no. 347, 1297 – 1308; DOI: https://doi.org/10.1090/mcom/3892.	M21a
10	P. Laxmi, S. Jain, P. Agarwal, G.V. Milovanović: Numerical calculation of the extension of k-beta function and some new extensions by using two parameter k-Mittag-Leffler function, Appl. Math. Comput. 479 (2024), 128857, pp. 1 – 15; https://doi.org/10.1016/j.amc.2024.128857.	M21a+
11	R.R. Akopyan, P. Kumar, G.V. Milovanović: On the inequalities of Zygmund and de Bruijn, Anal. Math. 50 (4) (2024), 967 – 986; https://doi.org/10.1007/s10476-024-00048-3.	M22
12	G.V. Milovanović, A. Mir: On zeros of the regular power series of a quaternionic variable, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Math. RACSM 118:47 (2024), 16 pp.; https://doi.org/10.1007/s13398-023-01546-z.	M21a+
13	G.V. Milovanović, M.P. Stanić, T.V. Tomović Mladenović: Gaussian type quadrature rules related to the oscillatory modification of generalized Laguerre weight functions, J. Comput. Appl. Math. 437 (2024), Paper No. 115476, 8 pp.; https://doi.org/10.1016/j.cam.2023.115476.	M21a
14	B. Ivanov, G.V. Milovanović, P.S. Stanimirović: Accelerated Dai-Liao projection method for solving systems of monotone nonlinear equations with application to image deblurring, J. Global Optim. 85 (2023), 377 – 420; https://doi.org/10.1007/s10898-022-01213-4	M21
15	G.V. Milovanović: Orthogonality on the semicircle: old and new results, Electron. Trans. Numer. Anal. 59 (2023), 99 – 115.	M22
16	G.V. Milovanović, A. Mir, A. Ahmad: On the zeros of a quaternionic polynomial with restricted coefficients, Linear Algebra Appl. 653 (2022), 231 – 245.	M21
17	G.V. Milovanović: Some orthogonal polynomials on the finite interval and Gaussian quadrature rules for fractional Riemann-Liouville integrals, Math. Methods Appl. Sci. 44 (2021), no. 1, 493–516. DOI: 10.1002/mma.6752.	M21a
18	G.V. Milovanović, R. Orive, M.M. Spalević: Quadratures with multiple nodes for Fourier-Chebyshev coefficients, IMA J. Numer. Anal. 39 (2019), 271 – 296.	M21a
19	G.V. Milovanović: Generalized weighted Birkhoff-Young quadratures with the maximal degree of exactness, Appl. Numer. Math. 116 (2017), 238 – 255.	M21
20	G.V. Milovanović: Symbolic-numeric computation of orthogonal polynomials and Gaussian quadratures with respect to the cardinal B-spline, Numer. Algorithms 76 (2017), 333 – 347.	M21

Collective data of scientific teacher activities

Total number of citations, without auto-citations	>2500	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	> 250	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Full member of SASA, elected on 1/11/2012

Corresponding member of SASA, elected on 2/11/2006

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Mišić Marko
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree				
Master's degree	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Bachelor diploma	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Development of information-theoretic methods for refinement of a seed set of graph nodes	Predrag Obradović	2025	
2	Development and evaluation of methods for analyzing and improving the quality of spatial transcriptomics data	Lazar Smiljković	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	I. Mitrović, M. Mišić, J. Protić, Exploring high scientific productivity in international co-authorship of a small developing country based on collaboration patterns, Journal of Big Data, Vol. 10, No. 64, May, 2023	M21a
2	M. Mišić, M. Dodović, An assessment of large language models for OpenMP-based code parallelization: a user perspective, Journal of Big Data, Vol. 11, No. 161, Nov, 2024 doi:10.1186/s40537-024-01019-z	M21a+
3	M. Mišić, P. Kovačev, M. Tomašević, Improving performance of background subtraction on mobile devices: a parallel approach, JOURNAL OF REAL-TIME IMAGE PROCESSING, Vol. 19, pp. 275 - 286, Apr, 2022	M22
4	J. Đukić, M. Mišić, An Evaluation of Directive-Based Parallelization on the GPU Using a Parboil Benchmark, Electronics , Vol. 12, No. 22, pp. 1 - 21, Nov, 2023	M22

5	M. Mišić, M. Tomašević, Comparison of parallel central processing unit- and graphics processing unit-based implementations of greedy string tiling algorithm for source code plagiarism detection, CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, Vol. 34, No. 21, pp. 1 - 12, Sep, 2022 doi:10.1002/cpe.7135	M22
6	Mišić M., Šuštran Ž., Protić J., "A Comparison of Software Tools for Plagiarism Detection in Programming Assignments", International Journal of Engineering Education, Vol. 32, No. 2, pp. 738-748, 2016., ISSN: 0949-149X, IF 2015: 0.559 (M23)□	M23
7	Drašković D., Mišić M., Stanisavljević Ž., "Transition from traditional to LMS supported examining: A case study in computer engineering", Computer Applications in Engineering Education, Vol. 24, No. 5, pp. 775-786, September 2016., ISSN: 1061-3773, IF 2015: 0.935, DOI: 10.1002/cae.21750 (M23)	M23
8	Milutinović V., Vujičić Stanković S., Jović A., Drašković D., Mišić M., Furundžić D., "A New Course on R&D Project Management in Computer Science and Engineering: Subjects Taught, Rationales Behind, and Lessons Learned", Advances in Computers, Elsevier, Vol. 106, pp. 1-19, July 2017., ISSN 0065-2458, ISBN 9780128122303, IF 2016: 0.789, DOI: 10.1016/bs.adcom.2017.04.001 (M23)	M23
9	Štaka Z., Mišić M., "Leaf counting in the presence of occlusion in Arabidopsis thaliana plant using convolutional neural networks", Journal of Electronic Imaging, Vol. 32, No. 5, pp. 052407-1-052407-18, Sep, 2023. ISSN 1017-9909, IF 2022: 1.1, DOI: https://doi.org/10.1117/1.JEI.32.5.052407 (M23)	M23
10	Branković S., Smiljković L., Obradović P., Radonjić M., Mišić M., "Fast Parallel CPU-GPU Approximate Spectral Clustering for Transcriptomics Data", International Journal of Parallel Programming, Vol. 53, No. 5, pp. 1-25, Jan, 2025., IF 2023: 0.9, DOI: https://doi.org/10.1007/s10766-025-00783-6 (M23)	M23
11	Pešić Đ., Vujošević Janičić M., Mišić M., Protić J., "A Novel Approach to Source Code Assembling in the Field of Algorithmic Complexity", Computer Science and Information Systems - COMSIS, Vol. 21, No. 3, pp. 781-806, Jun, 2024., IF 2023: 1.2, DOI: https://doi.org/10.2298/CSIS230730015P (M23)	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	255	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	11	Number of international projects in which the teacher is currently participating	2

Professional training
NVIDIA Internship (2009), PRACE Summer of HPC internship, EPCC (2013)
Other relevant data
Department of Computer Engineering and Informatics Secretary (2017-2022.)
IEEE member (from 2014.)
Disciplinary commision member (2018.-2021.) and chair (2021.-present) at School of Electrical Engineering
Member (2024.-present) of Gradutate studies commision at School of Electrical Engineering

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Nešković Aleksandar
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	1993.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics and Telec

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Availability Assesment of Complex Communication Networks by Method of Linear Segment Aproximation	Nenad Krajnović	2015	2015
2	IMPROVING THE EFFICIENCY OF METHODS FOR MEASUREMENT OF ELECTRIC FIELD STRENGTH IN THE VICINITY OF PUBLIC MOBILE SYSTEM BASE STATIONS	Mladen Koprivica	2015	2016
3	OVERLAPPED FINGERPRINTS SEPARATION BASED ON MACHINE LEARNING TECHNOLOGY	Branka Stojanović	2017	2017
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	Z. Babović, B. Bajat, V. Đokić, F. Đorđević, D. Drašković, N. Filipović, B. Furht, N. Gačić, I. Ikodinović, M. Ilić, A. Irfanoglu, B. Jelenković, A. Kartelj, G. Klimeck, N. Korolija, M. Kotlar, M. Kovačević, V. Kuzmanović, M. Marinković, S. Marković, A. Mendelson, V. Milutinović, A. Nešković, N. Nešković, N. Mitić, B. Nikolić, K. Novoselov, A. Prakash, I. Ratković, Z. Stojadinović, A. Ustyuzhanin, S. Zak, Research in computing intensive simulations for nature oriented civil engineering and related scientific fields, using machine learning and big data: an overview of open problems, Journal of Big Data, Vol. 10, No. 73, May, 2023	M21a
2	Z. Babović, B. Bajat, D. Barac, V. Bengin, V. Đokić, F. Đorđević, D. Drašković, N. Filipović, S. French, B. Furht, M. Ilić, A. Irfanoglu, A. Kartelj, M. Kilibarda, G. Klimeck, N. Korolija, M. Kotlar, M. Kovačević, V. Kuzmanović, J. Lehn, D. Madić, M. Marinković, M. Mateljević, A. Mendelson, F. Mesinger, G. Milovanović, V. Milutinović, N. Mitić, A. Nešković, N. Nešković, B. Nikolić, K. Novoselov, A. Prakash, J. Protić, I. Ratković, D. Rios, D. Shechtman, Z. Stojadinović, A. Ustyuzhanin, S. Zak, Teaching computing for complex problems in civil engineering and geosciences using big data and machine learning: synergizing four different computing paradigms and four different management domains, Journal of Big Data, Vol. 10, No. 89, May, 2023	M21a
3	N. Tomašević, A. Нешковић, N. Nešković, Correlated EEG Signals Simulation Based on Artificial Neural Networks, INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, pp. 1 - 15, Nov, 2016 doi:10.1142/S0129065717500083	M21a

4	M. Popović Saković, M. Koprivica, J. Milinković, A. Нешковић, Comparison of Average Total EMF Exposure for Microcell/Macrocell Topologies Using Novel Methodology Based on Operational Network Measurements, IEEE ACCESS, Vol. 9, pp. 113770-113787, Aug, 2021. doi:10.1109/ACCESS.2021.3104930	M21
5	B. Stojanović, O. Maques, A. Nešković, Latent overlapped fingerprint matching: a review, MULTIMEDIA TOOLS AND APPLICATIONS, pp. 1-28, Aug, 2016. doi:10.1007/s11042-016-3908-y	M21
6	B. Stojanović, A. Nešković, O. Marques, A NOVEL NEURAL NETWORK BASED APPROACH TO LATENT OVERLAPPED FINGERPRINTS SEPARATION, MULTIMEDIA TOOLS AND APPLICATIONS, pp. 1-25, Jun, 2016. doi:10.1007/s11042-016-3696-4	M21
7	B. Stojanović, O. Marques, A. Nešković, Deep learning-based approach to latent overlapped fingerprints mask segmentation, IET IMAGE PROCESSING, Vol. 12, No. 11, pp. 1934-1942, Oct, 2018. doi:10.1049/iet-ipr.2017.1227	M22
8	Y. Huang, N. Varsier, S. Nikšić, E. Kocan, M. Pejanovic-Djurisic, M. Popović, M. Koprivica, A. Nešković, J. Milinković, A. Gati, C. Person, J. Wiart, Comparison of average global exposure of population induced by a macro 3G network in different geographical areas in France and Serbia, BIOELECTROMAGNETICS, Vol. 37, No. 6, pp. 382-390, Sep, 2016. doi:10.1002/bem.21990	M22
9	M. Koprivica, M. Petrić, N. Nešković, A. Nešković, Statistical Analysis of Electromagnetic Radiation Measurements in the Vicinity of Indoor Microcell GSM/UMTS Base Stations in Serbia, BIOELECTROMAGNETICS, Vol. 37, No. 1, pp. 69-76, Jan, 2016. doi:10.1002/bem.21946	M22
10	M. Koprivica, V. Slavković, N. Nešković, A. Nešković, STATISTICAL ANALYSIS OF ELECTROMAGNETIC RADIATION MEASUREMENTS IN THE VICINITY OF GSM/UMTS BASE STATION INSTALLED ON BUILDINGS IN SERBIA, RADIATION PROTECTION DOSIMETRY, Vol. 168, No. 4, pp. 489-502, Mar, 2016. doi:10.1093/rpd/ncv372	M22
11	M. Petrić, A. Nešković, N. Nešković, M. Borenović, Indoor Localization Using Multi-operator Public Land Mobile Networks and Support Vector Machine Learning Algorithms, WIRELESS PERSONAL COMMUNICATIONS, No. 104, pp. 1573-1577, Feb, 2019. doi:10.1007/s11277-018-6099-1	M23
12	M. Popović, M. Koprivica, J. Milinković, A. Nešković, Experimental analysis of individual EMF exposure for GSM/UMTS/WLAN user devices, ANNALES DES TELECOMMUNICATIONS-ANNALS OF TELECOMMUNICATIONS, Vol. 74, No. 1-2, pp. 79-91, Feb, 2019. doi:10.1007/s12243-018-0679-7	M23

Collective data of scientific teacher activities

Total number of citations, without auto-citations	1258	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	33	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Prof. Nešković is a full member of the Academy of Engineering Sciences of Serbia. During the last 30 years, he has been fully involved (most often as a responsible designer) in several hundreds of projects including design of public (GSM, UMTS, CDMA2000, LTE, 5G) and private (TETRA) mobile radio networks as well as in designing of FM radio and TV broadcasting systems. These projects have been mainly conducted by major national telecommunication and power supply companies. He holds the Chair position of the IEEE Serbia and Montenegro COM Chapter. He is president of the Board of Directors of the Telecommunications Society.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Nešković Nataša
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	1993.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics and Telec

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Digital Predistortion of RF Amplifiers Using Baseband Injection for Mobile Broadband Communications“ (dissertation defended at University of Westminster, London, UK, Nataša Nešković was a co-mentor)	Milan Čabarkapa	2014	2014
2	OPTIMIZATION OF ROUTING PROTOCOLS AND METRICS FOR MULTI-CHANNEL MULTI-INTERFACE WIRELESS MESH NETWORKS	Marija Malnar	2015	2015
3	Digital Predistortion Models for Hybrid Beamforming Massive Multiple-antenna Transmitters using Neural Networks	Tamara Muškatirović Zekić	2023	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	Z. Babović, B. Bajat, V. Đokić, F. Đorđević, D. Drašković, N. Filipović, B. Furht, N. Gačić, I. Ikodinović, M. Ilić, A. Irfanoglu, B. Jelenković, A. Kartelj, G. Klimeck, N. Korolija, M. Kotlar, M. Kovačević, V. Kuzmanović, M. Marinković, S. Marković, A. Mẹndelson, V. Milutinović, A. Neškọvić, N. Neškọvić, N. Mitić, B. Nikolić, K. Novoselov, A. Prakash, I. Ratković, Z. Stojadinović, A. Ustyuzhanin, S. Zak, Research in computing intensive simulations for nature oriented civil engineering and related scientific fields, using machine learning and big data: an overview of open problems, Journal of Big Data, Vol. 10, No. 73, May, 2023	M21a

2	Z. Babović, B. Bajat, D. Barac, V. Bengin, V. Đokić, F. Đorđević, D. Drašković, N. Filipović, S. French, B. Furht, M. Ilić, A. Irfanoglu, A. Kartelj, M. Kilibarda, G. Klimeck, N. Korolija, M. Kotlar, M. Kovačević, V. Kuzmanović, J. Lehn, D. Madić, M. Marinković, M. Mateljević, A. Mendelson, F. Mesinger, G. Milovanović, V. Milutinović, N. Mitić, A. Nešković, N. Nešković, B. Nikolić, K. Novoselov, A. Prakash, J. Protić, I. Ratković, D. Rios, D. Shechtman, Z. Stojadinović, A. Ustyuzhanin, S. Zak, Teaching computing for complex problems in civil engineering and geosciences using big data and machine learning: synergizing four different computing paradigms and four different management domains, Journal of Big Data, Vol. 10, No. 89, May,	M21a
3	N. Tomašević, A. Нешковић, N. Nešković, Correlated EEG Signals Simulation Based on Artificial Neural Networks, INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, pp. 1 - 15, Nov, 2016 doi:10.1142/S0129065717500083	M21a
4	T. Muškatirović Zekić, N. Nešković, Đ. Budimir, Efficient Neural Network DPD Architecture for Hybrid Beamforming mMIMO, Electronics , pp. 597-603, Jan, 2023. doi:10.3390/electronics12030597	M22
5	M. Petrić, A. Nešković, N. Nešković, M. Borenović, Indoor Localization Using Multi-operator Public Land Mobile Networks and Support Vector Machine Learning Algorithms, WIRELESS PERSONAL COMMUNICATIONS, No. 104, pp. 1573-1577, Feb, 2019. doi:10.1007/s11277-018-	M23
6	H. Малетић, M. Чабаркапа, N. Нешковић, Performance of fixed-gain amplify-and-forward nonlinear relaying with hardware impairments, INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, Vol. 30, No. 6, pp. 1-16, Apr, 2017. doi:10.1002/dac.3102	M22
7	M. Koprivica, V. Slavković, N. Nešković, A. Nešković, STATISTICAL ANALYSIS OF ELECTROMAGNETIC RADIATION MEASUREMENTS IN THE VICINITY OF GSM/UMTS BASE STATION INSTALLED ON BUILDINGS IN SERBIA, RADIATION PROTECTION DOSIMETRY, Vol. 168, No. 4, pp. 489-502, Mar, 2016. doi:10.1093/rpd/ncv372	M22
8	N. Maletic, M. Cabarkapa, N. Neskovic, D. Budimir, Hardware impairments impact on fixed-gain AF relaying performance in Nakagami-m fading, ELECTRONICS LETTERS, Vol. 52, No. 2, pp. 121-122, Jan, 2016. doi:10.1049/el.2015.3378	M22
9	M. Koprivica, M. Petrić, N. Nešković, A. Nešković, Statistical Analysis of Electromagnetic Radiation Measurements in the Vicinity of Indoor Microcell GSM/UMTS Base Stations in Serbia, BIOELECTROMAGNETICS, Vol. 37, No. 1, pp. 69-76, Jan, 2016. doi:10.1002/bem.21946	M22
10	M. Koprivica, A. Nešković, N. Nešković, Conversion from mono-axial to isotropic measurements for assessing human exposure to electromagnetic fields of GSM/DCS/UMTS base stations, ANNALES DES TELECOMMUNICATIONS-ANNALS OF TELECOMMUNICATIONS, Vol. 70, No. 9, pp. 407-414, Oct, 2015. doi:10.1007/s12243-015-0463-x	M23
11	Ana Anastasijevic, Duska Coja, Natasa Neskovic, Aleksandar Neskovic, Djuradj Budimir, Joint power amplifier and I/Q modulator impairments modelling andcompensation for LTE transmitters using artificial neural networks, AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, Vol. 69, No. 2, pp. 529-538, Feb, 2015. doi:10.1016/j.aeue.2014.11.005	M23

Collective data of scientific teacher activities

Total number of citations, without auto-citations	966	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	25	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

During the last 30 years, N. Nešković has been fully involved (often as a responsible designer) in several hundreds of projects including design of public (GSM, UMTS, CDMA2000, LTE, 5G) and private (TETRA) mobile radio networks as well as in designing of FM radio and TV broadcasting systems. These projects have been mainly conducted by major national telecommunication and power supply companies. She had been the IEEE Serbia and Montenegro Section Chair.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Nikolić Boško
Teaching position	full professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2005.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Specialization				
MSc/MA degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1996.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Automated grading of paper tests using artificial intelligence techniques	Vladimir Jocović	2022	2023
2	Application of artificial intelligence in expressing measurement uncertainty of a non-iterative algorithm for acoustic partial discharge localization in mineral oil	Vladimir Polužanski	2021	2022
3	Methodology for solving semantic problems in processing short texts written in natural languages with limited resources	Vuk Batanović	2020	2020
4	Software system for learning and applying artificial intelligence algorithms	Dražen Drašković	2017	2018
5	Software system for remote control and monitoring of robots based on the Android operating system and wireless communication	Maja Lutovac Banduka	2016	2017

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	M. Kostić, V. Batanović, B. Nikolić, Monolingual, multilingual and cross-lingual code comment classification, ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Vol. 124, pp. 1-17, Jun, 2023.	M21a+
2	T. Zivkovic, B. Nikolić, V. Simic, D. Pamucar, N. Bacanin, Software defects prediction by metaheuristics tuned extreme gradient boosting and analysis based on Shapley Additive Explanations, APPLIED SOFT COMPUTING, pp. 1-79, Jul, 2023.	M21a
3	M. Zivkovic, L. Jovanovic, V. Jocovic, B. Nikolic, V. Zeljkovic, M. Abdel-Salam, M. Mravik, S. Muthusamy, N. Bacanin, Addressing smart city security: machine and deep learning methodology combining feature selection and two-tier cooperative framework tuned by metaheuristics, CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, Vol. 28, pp. 1-55, Sep, 2025.	M21a
4	Z. Babović, B. Bajat, V. Đokić, F. Đorđević, D. Drašković, N. Filipović, B. Furht, N. Gačić, I. Ikodinović, M. Ilić, A. Irfanoglu, B. Jelenković, A. Kartelj, G. Klimeck, N. Korolija, M. Kotlar, M. Kovačević, V. Kuzmanović, M. Marinkqvić, S. Marković, A. Mendelson, V. Milutinović, A. Nešković, N. Nešković, N. Mitić, B. Nikolić, K. Novoselov, A. Prakash, I. Ratković, Z. Stojadinović, A. Ustyuzhanin, S. Zak, Research in computing intensive simulations for nature oriented civil engineering and related scientific fields, using machine learning and big data: an overview of open problems, Journal of Big Data, Vol. 10, No. 73, May, 2023.	M21a
5	J. Cincović, L. Jovanović, B. Nikolić, N. Bačanin, Neurodegenerative Condition Detection Using Modified Metaheuristic for Attention Based Recurrent Neural Networks and Extreme Gradient Boosting Tuning, IEEE ACCESS, Vol. 12, 2024.	M21

6	V. Jocovic, M. Marinkovic, S. Stojanovic, B. Nikolic, Automated assessment of pen and paper tests using computer vision, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 83, pp. 2031-2052, May, 2023.	M21
7	V. Batanović, M. Cvetanović, B. Nikolić, A versatile framework for resource-limited sentiment articulation, annotation, and analysis of short texts, PLOS ONE, Vol. 15, No. 11, pp. 1-30, Nov, 2020	M21
8	T. Živković, D. Drašković, B. Nikolić, Learning environments in software testing education: An overview, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 31, No. 6, pp. 1497-1521, Nov, 2023.	M21
9	A. Milaković, D. Drašković, B. Nikolić, Visual Simulator for Mastering Fundamental Concepts of Machine Learning, Applied Sciences, Vol. 12, No. 24, pp. 1-22, Dec, 2022.	M21
10	V. Polužanski, U. Kovačević, N. Bacanin, T. Rashid, S. Stojanović, B. Nikolić, Application of Machine Learning to Express Measurement Uncertainty, Applied Sciences, Vol. 12, No. 17, pp. 1-13, Aug, 2022.	M21
11	D. Drašković, D. Zečević, B. Nikolić, Development of a Multilingual Model for Machine Sentiment Analysis in the Serbian Language, Mathematics, Vol. 10, No. 18, pp. 1-17, Sep, 2022.	M21a+
12	B. Furlan, V. Batanović, B. Nikolić, Semantic Similarity of Short Texts in Languages with a Deficient Natural Language Processing Support, DECISION SUPPORT SYSTEMS, Vol. 55, No. 3, pp. 710-719, Jun, 2013.	M21a
13	M. Zivkovic, N. Bacanin, M. Antonijevic, B. Nikolić, G. Kvaščev, M. Marjanovic, N. Savanovic, Hybrid CNN and XGBoost Model Tuned by Modified Arithmetic Optimization Algorithm for COVID-19 Early Diagnostics from X-ray Images, Electronics , Vol. 11, No. 3798, pp. 1-30, Nov, 2022	M22
14	V. Jocovic, B. Nikolic, N. Bacanin, A. Bozovic, Surveying and Evaluating Artificial Intelligence in Automated Assessment Systems for Pen-and-Paper Tests, INFORMATION TECHNOLOGY AND CONTROL, Vol. 54, No. 3, pp. 1049-1076, Sep, 2025.	M22
15	B. Furlan, B. Nikolić, V. Milutinović, A Survey and Evaluation of State-of-the-Art Intelligent Question Routing Systems, INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, Vol. 28, No. 7, pp. 686-708, Jul, 2013.	M22
16	Boško Nikolic, Zaharije Radivojevic, Jovan Djordjevic, Veljko Milutinovic, A Survey and Evaluation of Simulators Suitable for Teaching Courses in Computer Architecture and Organization, IEEE TRANSACTIONS ON EDUCATION, Vol. 52, No. 4, pp. 449-458, Nov, 2009.	M22
17	Z. Stanisavljevic, V. Pavlovic, B. Nikolic, J. Djordjevic, SDLDS—System for Digital Logic Design and Simulation, IEEE TRANSACTIONS ON EDUCATION, Vol. 56, No. 2, pp. 235-245, May, 2013	M22
18	Đorđević, B. Nikolić, A. Milenković, Flexible Web-based educational system for teaching computer architecture and organization, IEEE TRANSACTIONS ON EDUCATION, Vol. 48, No. 2, pp. 264-274, May, 2005.	M22
19	Zarko Stanisavljevic, Bosko Nikolic, Igor Tartalja, Veljko Milutinovic, A classification of eLearning tools based on the applied multimedia, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 74, No. 11, pp. 3843-3880, Jun, 2015	M21
20	M. Stanojević, D. Drašković, B. Nikolić, Retinal disease classification based on optical coherence tomography images using convolutional neural networks, JOURNAL OF ELECTRONIC IMAGING, Vol. 32, No. 3, pp. 032004-1-032004-23, May, 2023.	M23

Collective data of scientific teacher activities

Total number of citations, without auto-citations	878	Number of local projects in which the teacher is currently participating	48
Total number of papers on the SCI (SSCI) list	41	Number of international projects in which the teacher is currently participating	8

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Olćan Dragan
Teaching position	full professor
Narrow scientific (artistic) field	Electromagnetism, antennas and microwaves

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetism, antennas and microwaves
Doctoral degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Specialization				
MSc/MA degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Nonuniform helica antennas	Jelena Dinkic	2019	2022
2	Numerical electromagnetic analzsis using method of moments with high-precision integration	Jovana Petrovic	2019	2023
3	Impulse radiating antenna	Milivoje Miletic	2022	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Miletić, D. Olćan, Impulse Radiating Antenna With Six Feeding Arms and a Tapered Balun, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 70, No. 8, pp. 6414 - 6422, Aug, 2022 doi:10.1109/TAP.2022.3161572.	M21a
2	Z. Stanković, D. Olćan, N. Dončov, B. Kolundžija, Consensus Deep Neural Networks for Antenna Design and Optimization, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 70, No. 7, pp. 5015 - 5023, Jul, 2022 doi:10.1109/TAP.2021.3138220	M21a
3	D. Ninković, S. Shah, A. Altunaiji, N. Ali, D. Olćan, Comparison of Ensembles of Deep Neural Networks and Mixture of Experts for Antenna Modeling, IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2025 doi:10.1109/LAWP.2025.3574176	M21
4	Z. Stanković, D. Olćan, N. Dončov, Б. Колунџија, Multi-Epoch Mini-Batch Levenberg-Marquardt Method for Effective Antenna Design based on Consensus DNN, IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, Sep, 2025 doi:10.1109/LAWP.2025.3612812	M21

5	J. Perović, D. Olćan, B. Kolundžija, A. Djordjević, A Singularity Cancelation Transformation for Entire-Domain Analysis of 2-D Structures With High-Precision Integration, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 67, No. 4, pp. 2522 - 2533, Apr, 2019 doi:10.1109/TAP.2019.2891401	M21
6	D. Ninković, S. B. Shah, A. Altunaiji, N. Ali and D. Olćan, "Comparison of Ensembles of Deep Neural Networks and Mixture of Experts for Antenna Modeling," in IEEE Antennas and Wireless Propagation Letters, doi: 10.1109/LAWP.2025.3574176	M21
7	D. M. Ninković and D. I. Olćan, "AI-Assisted Identification of State and Type of Flat-Panel Monitors in the Presence of EM Noise," in IEEE Transactions on Electromagnetic Compatibility, vol. 66, no. 4, pp. 1057-1067, Aug. 2024, doi: 10.1109/TEMC.2024.3370653	M22
8	J. G. Petrović, D. I. Olćan, N. N. Obradović and A. R. Djordjević, "High-Precision Method of Moments Applied to Measurement of Dielectric Parameters at Microwave Frequencies," in IEEE Transactions on Microwave Theory and Techniques, vol. 70, no. 2, pp. 970-979, Feb. 2022, doi: 10.1109/TMTT.2021.3136294.	M21
9	F. T. Werner, J. Dinkić, D. Olćan, A. Djordjević, M. Prvulović and A. Zajić, "An Efficient Method for Localization of Magnetic Field Sources That Produce High-Frequency Side-Channel Emanations," in IEEE Transactions on Electromagnetic Compatibility, vol. 63, no. 6, pp. 1799-1811, Dec. 2021, doi: 10.1109/TEMC.2021.3063657.	M22
10	J. Dinkić, D. Olćan, A. Djordjević, A. Zajić, High-gain quad array of nonuniform helical antennas, INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION, Vol. 2019, pp. 1 - 12, Mar, 2019. doi: 10.1155/2019/8421809	M23
11	J. Dinkić, D. Olćan, A. Djordjević and A. Zajić, "Design and Optimization of Nonuniform Helical Antennas With Linearly Varying Geometrical Parameters," in IEEE Access, vol. 7, pp. 136855-136866, 2019, doi: 10.1109/ACCESS.2019.2942363.	M21
12	N. Basta, D. I. Olćan, Scattering from anisotropic surfaces analyzed with method of moments, MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, Vol. 60, No. 7, pp. 1782 - 1787, May, 2018 doi: 10.1002/mop.31252	M23
13	F. Werner, D. A. Chu, A. R. Djordjević, D. I. Olćan, M. Prvulovic and A. Zajić, "A Method for Efficient Localization of Magnetic Field Sources Excited by Execution of Instructions in a Processor," in IEEE Transactions on Electromagnetic Compatibility, vol. 60, no. 3, pp. 613-622, June 2018, doi: 10.1109/TEMC.2017.2742501.	M22
14	A. Terzić, N. Obradović, J. Stojanvić, V. Pavlović, L. Andrić, D. Olćan, A. Djordjević, Influence of different bonding and fluxing agents on the sintering behavior and dielectric properties of steatite ceramic materials, CERAMICS INTERNATIONAL, Vol. 43, No. 16, pp. 13264 - 13275, Nov, 2017 doi: 10.1016/j.ceramint.2017.07.024	M21a
15	E. Chobanyan, D. I. Olćan, M. M. Ilić and B. M. Notaroš, "Volume Integral Equation-Based Diakoptic Method for Electromagnetic Modeling," in IEEE Transactions on Microwave Theory and Techniques, vol. 64, no. 10, pp. 3097-3107, Oct. 2016, doi: 10.1109/TMTT.2016.2598175.	M21
16	N. Obradović, S. Filipović, N. Đorđević, D. Kosanović, S. Marković, V. Pavlović, D. Olćan, A. Đorđević, M. Kachlik, K. Maca, Effects of mechanical activation and two-step sintering on the structure and electrical properties of cordierite-based ceramics, CERAMICS INTERNATIONAL, Vol. 42, No. 12, pp. 13909 - 13918, Sep, 2016. doi: 10.1016/j.ceramint.2016.05.201	M21a
17	Slobodan Savić, Aleksandra Krneta, Marija Stevanović, Dragan I. Olćan, Miodrag Tasić, Milan M. Ilić, D. Tošić, B. Kolundžija, Antonije R Djordjević, Analytic solutions of electromagnetic fields in inhomogeneous media, INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, Vol. 52, No. 2, pp. 131 - 141, Apr, 2015. doi: 10.1177/0020720915571799	M23

Collective data of scientific teacher activities			
Total number of citations, without auto-citations	415	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	27	Number of international projects in which the teacher is currently participating	1

Professional training
2005/2006 EPFL Laussane, Switzerland, 2009 Colorado State University, Fort Collins, CO, USA, 2023 Georgia
Other relevant data
IEEE Electromagnetic Compatibility Society – 2024 The John Howard Memorial EMC Education Grant

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Papić Veljko
Teaching position	associate professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Specialization				
MSc/MA degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Master's degree				
Bachelor diploma	1996.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Reliability of radiomics for differentiation of pancreatic adenocarcinom from healthy tissue of pancreas by using magnetic resonance imaging	Dimitrije Šarac	2023	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Ž. Đurišić, V. Papić, Power system frequency tracking based on LES technique with constant matrix, MEASUREMENT, pp. 308 - 321, 2018	M21
2	Ж. Ђуришић, М. Ђурић, V. Papić, An algorithm for three-phase power system frequency measurement, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), Feb, 2024 doi:10.1007/s00202-024-02238-6	M22
3	V. Papić, J. Krmar, Texture Entropy-Based Classification for Iris Recognition Systems, JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 29, No. 04, pp. 2050051-1 - 2050051-25, 2020 doi:10.1142/S0218126620500516	M22
4	В. Папић, Ж. Ђуровић, A New Approach to Signal-to-Noise Ratio Estimation in Adaptive Doppler-Kalman Filter for Radar Systems, JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 33, No. 02, Jan, 2024 doi:10.1142/S0218126624500361	M22

5	A. A. Abdulla, S. Graovac, V. Papić, B. Kovačević, (2021), “Triple-feature-based Particle Filter Algorithm Used in Vehicle Tracking Applications”, Advances in Electrical and Computer Engineering, Volume 21, No. 2, pp. 3-14, 2021, doi: 10.4316/AECE.2021.02001, ISSN: 1582-7445, e-ISSN: 1844-7600	M22
6	I. Reljin, B. Reljin, V. Papić, Extremely-flat-top windows for harmonic analysis, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. 56, No. 3, pp. 1025 - 1041, Jun, 2007 doi:10.1109/TIM.2007.894889	M22
7	V.D. Papić, Ž.M. Đurović, B.D. Kovačević, (2006), “Adaptive Doppler-Kalman filter for radar systems”, IEE Proceedings – Vision, Image and Signal Processing, Volume 153, Issue 3, pp. 379-387, June 2006, doi:10.1049/ip-vis:20045268, ISSN: 1350-245X, e-ISSN: 1359-7108	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	128	Number of local projects in which the teacher is currently participating	4
Total number of papers on the SCI (SSCI) list	8	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Pejović Predrag
Teaching position	full professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics
Doctoral degree	1995.	Univerzitet Kolorado u Bolderu, USA	Electrical Engineering	Electronics
Specialization				
MSc/MA degree				
Master's degree				
Bachelor diploma	1990.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Zero-voltage switching control of an bi-directional buck/boost converter with variable coupled inductor	Milan Pajnić		2020
2	A method for computationally efficient simulation of power electronic converters based on the state space model and superposition of switching effects	Spasoje Mirić		2018
3	Design, characterization, and modeling of flexible supercapacitors	Petar Laušević		2021
4	A framework for electricty load forecasting in Smart Grid based on a generalized additive modela	Sovjetka Krstonijević		2025
5				

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	S. Mirić, P. Pejović, A Method for Computer-Aided Analysis of Differential Mode Input Filters, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Vol. 64, No. 6, pp. 4741 - 4750, Jun, 2017 doi:10.1109/TIE.2017.2674584	M21a
2	S. Zhao, U. Borović, M. Silva, O. Garcia, J. Oliver, P. Alou, J. Cobos, P. Pejović, Modified VIENNA Rectifier III to Achieve ZVS in All Transitions: Analysis, Design and Validation, IEEE TRANSACTIONS ON POWER ELECTRONICS, Vol. 36, No. 12, pp. 13404 - 13422, Dec, 2022 doi:10.1109/TPEL.2021.3084118	M21a
3	M. Pajnić, P. Pejović, Zero-Voltage Switching Control of an Interleaved Bi-directional Buck/Boost Converter with Variable Coupled Inductor, IEEE TRANSACTIONS ON POWER ELECTRONICS, pp. 1 - 11, 2019 doi:10.1109/TPEL.2019.2893703	M21a
4	U. Borovic, S. Zhao, J. Oliver, P. Alou, J. Cobos, P. Pejović, Design Methodology for Three-phase Buck-Type and Boost-Type Rectifiers to Comply With the DO-160G Current Distortion Test, IEEE TRANSACTIONS ON POWER ELECTRONICS, Vol. 35, No. 1, pp. 33 - 47, Jan, 2020 doi:10.1109/TPEL.2019.2923404	M21a
5	P. Pejović, T. Ohno, U. Borovic, S. Mirić, Pulse width modulation for current source inverters with arbitrary number of phases, Scientific Reports, Vol. 15, 2025 doi:10.1038/s41598-025-92388-9	M21
6	M. Rosić, M. Sedak, M. Simić, P. Pejović, Chaos-Enhanced Adaptive Hybrid Butterfly Particle Swarm Optimization Algorithm for Passive Target Localization, SENSORS, Vol. 22, No. 15, pp. 1-36, Jul, 2022.	M21

7	D. Vračar, P. Pejović, Active-Clamp Flyback Converter as Auxiliary Power-Supply of an 800 V Inductive-Charging System for Electric Vehicles, IEEE ACCESS, Vol. 10, pp. 38254-38271, Apr, 2022. doi:10.1109/ACCESS.2022.3165059	M21
8	M. Rosić, M. Simić, P. Pejović, An improved adaptive hybrid firefly differential evolution algorithm for passive target localization SOFT COMPUTING - A FUSION OF FOUNDATIONS, METHODOLOGIES AND APPLICATIONS, pp. 1-25, Jan, 2021.	M21
9	С. Мирић, У. Боровић, P. Pejović, Modulation in Voltage Source Inverters: An Algebraic Approach, IEEE ACCESS, Vol. 12, pp. 122474-122484, Sep, 2024. doi:10.1109/ACCESS.2024.3452770	M21
10	N. Burany, L. Huber, P. Pejović, Corona Discharge Surface Treater Without High Voltage Transformer IEEE TRANSACTIONS ON POWER ELECTRONICS, Vol. 23, No. 2, pp. 993-1002, Mar, 2008.	M21
11	M. Pajnić, P. Pejović, O. Aleksić, Design and Analysis of a Novel Coupled Inductor Structure with Variable Coupling Coefficients, IET POWER ELECTRONICS, Vol. 11, No. 6, pp. 961-967, 2018. doi:10.1049/iet-pel.2017.0566	M21
12	M. Rosić, M. Sedak, M. Simić, P. Pejović, An Improved Chaos Driven Hybrid Differential Evolutionand Butterfly Optimization Algorithm for Passive Target Localization Using TDOA Measurements, Applied Sciences, Vol. 13, No. 2, pp. 1-38, Jan, 2023.	M21
13	M. Glišić, P. Pejović, Analysis and Modeling of Nonlinear Effects in Constant-Frequency Peak-Current Control, INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS IN APPLIED SCIENCES AND ENGINEERING, Vol. 31, No. 15, pp. 2150226-1-2150226-20, Dec, 2021. doi:10.1142/S0218127421502266	M21
14	P. Laušević, P. Pejović, D. Žugić, Y. Kochnev, P. Apel, Z. Laušević, Improving thin film flexible supercapacitor electrode properties using ion-track technology, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, Vol. 29, No. 9, pp. 7489-7500, May, 2018. doi:10.1007/s10854-018-8740-x	M22
15	M. Rosić, M. Simić, P. Pejović, Passive Target Localization Problem Based on Improved Hybrid Adaptive Differential Evolution and Nelder-Mead Algorithm, Journal of Sensors, Vol. 2020, pp. 1-20, Feb, 2020. doi:10.1155/2020/3482463	M22
16	M. Darijević, M. Janković, P. Pejović, J. Kolar, Y. Nishida, Three-Phase Rectifiers with Suboptimal Current Injection and Improved Efficiency, IET POWER ELECTRONICS, Vol. 7, No. 4, pp. 795-804, 2014. doi:10.1049/iet-pel.2013.0145	M21
17	G. Betta, D. Capriglione, G. Cerro, G. Miele, M. Salone D'Amata, D. Šuka, P. Pejović, M. Simić-Pejović, On the Measurement of Human Exposure to Cellular Networks, IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE, Vol. 23, No. 9, pp. 5-13, Dec, 2020. doi:10.1109/MIM.2020.9289066	M22
18	P. Pejović, J. Kolar, Exact Analysis of Three Phase Rectifiers With Constant Voltage Loads, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS. II: EXPRESS BRIEFS, Vol. 55, No. 8, pp. 743-747, Aug, 2008. doi:10.1109/TCSII.2008.922462	M22
19	M. Simić, P. Pejović, An Algorithm for Determining Mobile Station Location Based on Space Segmentation, IEEE COMMUNICATIONS LETTERS, Vol. 12, No. 7, pp. 499-501, Jul, 2008. doi:10.1109/LCOMM.2008.080456	M22
20	M. Potrebić, D. Tošić, P. Pejović, Understanding Computation of Impulse Response in Microwave Software Tools, IEEE TRANSACTIONS ON EDUCATION, Vol. 53, No. 4, pp. 547-555, Nov, 2010.	M22

Collective data of scientific teacher activities			
Total number of citations, without auto-citations	1035	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	50	Number of international projects in which the teacher is currently participating	0

Professional training
University of Colorado, Boulder, 1993-1995, ETH Zurich, 2006, ETH Zurich 2009
Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Petričević Slobodan
Teaching position	Full Professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2020.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Specialization				
MSc/MA degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Master's degree				
Bachelor diploma	1996.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Experimental Characterization of Magneto-Optical Properties of Faraday Crystal Applied in Magnetic Field Sensor	Giuma Saleh Isa Abudagel	2017	2019
2	Thermal Conductivity Measurements of Poorly Conductive Solid Materials by Using the Single-Sided Guarded Hot Plate Method	Marija Terzić	2014	2018
	Determination of the specific heat and specific electrical resistance of solid electrically conductive materials by the current-pulse method over a wide temperature range	Ivana Nikolić	2016	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Banović, P. Atanasijević, A. Prapas, C. Pappas, J. Crnjanski, A. Tsakyridis, M. Moralis-Pegios, K. Vyrsokinos, M. Lović, N. Zdravković, M. Mićić, M. Krstić, S. Petričević, N. Pleros, D. Gvozdić, All-optical high-speed programmable nonlinear activation functions using a Fabry–Pérot laser, APL PHOTONICS, Vol. 10, No. 10, Oct, 2025	M21a
2	M. Banović, P. Atanasijević, M. Krstić, P. Mihailović, J. Crnjanski, S. Petričević, D. Gvozdić, "Reconfigurable all-optical bistability/tristability in dual injection-locked Fabry–Perot laser diodes", Optics Letters, Vol 48, No 15, pp. 4165-4168, 2023, ISSN 1539-4794, https://doi.org/10.1364/OL.496482	M21
3	I. Nikolić, N. Milošević, S. Petričević, Temperature non-uniformity due to heat conduction and radiation in the pulse calorimetry technique, THERMAL SCIENCE, Vol. 26, No. 4, pp. 3619 - 3626, 2022 https://doi.org/10.2298/TSCI220115037N	M22

4	P. Mihailovic, S. Petričević, „Fiber Optic Sensors Based on the Faraday Effect“, Sensors MDPI, Vol 21, No 19, 2021, pp 6564-6590, ISSN 1424-8220, https://doi.org/10.3390/s21196564	M21
5	P. Mihailovic, M. Barjaktarovic, S. Petricevic, HDR image formation from CMOS coupled with MCP image intensifier, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Vol. 15, No. 9-10, pp. 433 - 441, Oct, 2021	M23
6	M. C. Barjaktarović, S. J. Petričević, Inspection of empty beer bottles in beer's crates, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Vol. 12, No. 1-2, pp. 48 - 54, Feb, 2018	M23
7	A. Kovačevič, J. Ristic-Djurovic, M. Lekić, B. B. Hadžić, G. Saleh Isa Abudagel, S. Petricevic, P. Mihailović, B. Matović, D. Dramlić, L. Brajović, N. Romcevic, Improvement of magneto-optical quality of high purity Bi12GeO20 single crystal induced by femtosecond pulsed laser irradiation, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Vol. 11, No. 7-8, pp. 477 - 481, Aug, 2017	M23
8	L. Brajović, D. Stojanović, P. Mihailović, S. Marković, M. Romčević, M. Mitrić, V. Lazović, D. Dramlić, S. Petricevic, N. Romcevic, Preparation and characterization of bismuth germanium oxide (BGO) polymer composites, JOURNAL OF ALLOYS AND COMPOUNDS, Vol. 695, pp. 841 - 849, Feb, 2016	M21a
9	S. J. Petričević, M. C. Tomic, Z. V. Đinović, Demodulation of quasi-quadrature interferometric signals for use in the totally implantable hearing aids, BIOMEDICAL OPTICS EXPRESS, Vol. 8, No. 7, pp. 3403 - 3409, Jul, 2017	M21a
10	M. Tomić, Z. Đinović, M. Scheerer, S. Petričević, Measurement of Morphing Wing Deflection by a Cross-Coherence Fiber Optic Interferometric Technique, SMART MATERIALS AND STRUCTURES, Vol. 27, No. 1, pp. 1 - 11, Dec, 2017	M21a
7	M. Terzič, N. Milosevic, N. Stepanic, S. Petričević, DEVELOPMENT OF A SINGLE-SIDED GUARDED HOT PLATE APPARATUS FOR THERMAL CONDUCTIVITY MEASUREMENTS, THERMAL SCIENCE, pp. 1 - 12, 2016	M22
8	M. Petrovic, P. Mihailović, L. Brajovic, S. Petričević, I. Zivkovic, A. Kojovic, V. Radojevic, Intensity Fiber-Optic Sensor for Structural Health Monitoring Calibrated by Impact Tester, IEEE SENSORS JOURNAL, Vol. 16, No. 9, pp. 3047 - 3053, May, 2016	M21
9	A. Kovačevič, J. L. Ristic-Djurovic, M. Lekić, B. Hadžić, G. Giuma Saleh Isa Abudagel, S. Petričević, P. Mihailovic, B. Matović, D. Dramlić, L. Brajović, N. Romčević, Influence of femtosecond pulsed laser irradiation on bismuth germanium oxide single crystal properties, MATERIALS RESEARCH BULLETIN, Vol. 83, pp. 284 - 289, 2016	M21
10	S. Petričević, P. Mihailovic, Compensation of Verdet Constant Temperature Dependence by Crystal Core Temperature Measurement, SENSORS, Vol. 16, No. 10, pp. 1 - 7, Sep, 2016	M21a

Collective data of scientific teacher activities

Total number of citations, without auto-citations	339	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	35	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Petrović Jovana
Teaching position	assistant professor
Narrow scientific (artistic) field	Electromagnetics, antennas, and microwaves

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetics, antennas, and microwaves
Doctoral degree	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetics, antennas, and microwaves
Specialization				
MSc/MA degree				
Master's degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Bachelor diploma	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	S. Filipović, N. Obradović, W. G. Farenholtz, S. Smith, M. Mirković, A. Peleš Tadić, J. Petrović, A. Đorđević, Spark plasma sintering of magnesium titanate ceramics, CERAMICS INTERNATIONAL, 2024	M21a
2	J. Perović, D. Olćan, B. Kolundžija, A. Djordjević, A Singularity Cancelation Transformation for Entire-Domain Analysis of 2-D Structures With High-Precision Integration, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 67, No. 4, pp. 2522 - 2533, Apr, 2019 doi:10.1109/TAP.2019.2891401	M21
3	J. Petrović, D. Olćan, N. Obradovic, A. Đorđević, High-Precision Method of Moments Applied to Measurement of Dielectric Parameters at Microwave Frequencies, IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, Vol. 70, No. 2, pp. 970 - 979, Feb, 2022 doi:10.1109/TMTT.2021.3136294	M21

4	S. Filipović, N. Obradovic, C. Corlett, W. Farenholtz, M. Rosenschon, F. Fuglein, R. Dojčilović, D. Tošić, J. Petrović, A. Đorđević, B. Vlahović, V. Pavlović, Effect of the filler morphology on the crystallization behavior and dielectric properties of the PVDF-based composite, JOURNAL OF APPLIED POLYMER SCIENCE, Vol. 141, No. 10, pp. 1 - 11, Mar, 2024	M22
5	S. Filipović, N. Obradović, L. Anđelković, D. Olćan, J. Petrović, M. Mirković, V. Pavlović, D. Jeremić, B. Vlahović, A. Đorđević, Multiferroic Heterostructure BaTiO3/ε-Fe2O3 Composite Obtained by in situ Reaction, SCIENCE OF SINTERING, Vol. 53, No. 1, pp. 1 - 8, Feb, 2021 doi:10.2298/SOS2101001F	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	48	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	5	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Petrović Vladimir
Teaching position	assistant professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree				
Master's degree	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Bachelor diploma	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	V. L. Petrović, M. M. Janković, A. V. Lupšić, V. R. Mihajlović, J. S. Popović-Božović, High-Accuracy Real-Time Monitoring of Heart Rate Variability Using 24 GHz Continuous-Wave Doppler Radar, IEEE ACCESS, Vol. 7, pp. 74721 - 74733, Jun, 2019 doi:10.1109/ACCESS.2019.2921240	M21
2	V. L. Petrović, M. M. Marković, D. M. El Mezeni, L. V. Saranovac, A. Radošević, Flexible High Throughput QC-LDPC Decoder with Perfect Pipeline Conflicts Resolution and Efficient Hardware Utilization, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Vol. 67, No. 12, pp. 5454 - 5467, Dec, 2020 doi:10.1109/TCSI.2020.3018048	M21
3	N. Filipović, D. El Mezeni, V. L. Petrović, Scalable 5G NR Rate-Matcher and Rate-Dematcher for Efficient Use in FPGA Accelerators, IEEE ACCESS, Vol. 13, pp. 38515 - 38532, Feb, 2025 doi:10.1109/ACCESS.2025.3546301	M21
4	N. Malešević, V. Petrović, M. Belić, C. Antfolk, V. Mihajlović, M. Janković, Contactless Real-Time Heartbeat Detection via 24 GHz Continuous-Wave Doppler Radar Using Artificial Neural Networks, SENSORS, Vol. 20, No. 8, pp. 2351.1 - 2351.16, Apr, 2020 doi:10.3390/s20082351	M21

5	V. L. Petrović, D. M. El Mezeni, A. Radošević, Flexible 5G New Radio LDPC Encoder Optimized for High Hardware Usage Efficiency, Electronics , Vol. 10, No. 9, pp. 1106.1 - 1106.24, May, 2021 doi:10.3390/electronics10091106	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	370	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	5	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Petrović Zoran
Teaching position	Member of the Academy of Sciences and Arts
Narrow scientific (artistic) field	

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	01/11/2009 24/10/2000	Serbian Academy of Sciences and Arts	applied physics	plasma physica
Doctoral degree	09.10.1985	Australian national University	Atomic and Molecular physics	electron swarms
Specialization	05.01.1989	University of Colorado at Boulder and NIST	low temperature plasma	Gas discharges
MSc/MA degree	1.6.1980	Faculty of electrical Engineering University of Belgrade	Electrical Engineering	Technical physics
Master's degree				
Bachelor diploma	20.3.1978	Faculty of electrical Engineering University of Belgrade	Electrical Engineering	Technical physics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the p

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	APPLICATIONS OF ELECTRON SWARM THEORY IN MODELING OF GASEOUS PARTICLE DETECTORS	Danko Bošnjaković	2014	2016
2	Monte Carlo simulation of positron transport in realistic gas filled systems	Srđan Marjanović	2015	2016
3	Modeling of gas breakdown by Monte Carlo technique	Marija Puač	2018	2019
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	Plasma Electronics: Applications in Microelectronic Device Fabrication, T.Makabe Z.Petrović 2nd edition Taylor and Francis,2015	M11
2	Electron transport in biomolecular gaseous and nonpolar liquid systems: Theory, experiment and self-consistent cross-sections R. D. White, D. Cocks, G. Boyle, M. Casey, N. Garland, D. Konovalov, B. Philippa, P. Stokes, J. de Urquijo, O. González-Magaña, R. P. McEachran, S. J. Buckman, M. J. Brunger, G. Garcia, S. Dujko and Z. Lj. Petrović, Plasma Sources Sci. Technol. 27 (2018) 053001 (15pp)	M21
3	The 2017 Plasma Roadmap: Low temperature plasma science and technology I Adamovich, ... Z Lj Petrovic, ... and A Vardelle, J. Phys. D: Appl. Phys. 50 (2017) 323001 (46pp)	M21
4	Using Swarm Models as an Exact Representation of Ionized Gases, Zoran Lj. Petrović, Dragana Marić, Marija Savić, Srđan Marjanović, Saša Dujko, Gordana Malović, Plasma Process Polym 2017, 14, 1600124	M21
5	Plasma–liquid interactions: a review and roadmap, P J Bruggeman, M J Kushner,..., Z Lj Petrovic, ... and G Zvereva, Plasma Sources Sci. Technol. 25 (2016) 053002 (59pp)	M21a
6	Reduced ionization coefficients in low-current dc discharge in freons of a new generation, Jelena Marjanović, Dragana Marić, and Zoran Lj. Petrović, Eur. Phys. J. D (2024) 78:14	M22

7	Helium atmospheric pressure plasma jet parameters and their influence on bacteria deactivation in a medium, A Jurov, N Škoro, K Spasić, M Modić, N Hojnik, D Vujošević, M Đurović, Z Lj. Petrović, and UCvelbar, Eur. Phys. J. D (2022) 76:29	M22
8	Cross sections and transport coefficients for electrons in C2H6O and its mixtures with Ar and Ne, Zoran Lj Petrović, Olivera Šašić, Snježana Dupljanin, and Paul Maguire, Eur. Phys. J. D (2022) 76:25	M22
9	Comparison of laser induced breakdown spectroscopy and fast ICCD imaging for spatial and time resolved measurements of atmospheric pressure helium plasma jet, D Maletić, D Popović, N Puač, Z Lj Petrović and S Milošević, Plasma Sources Sci. Technol. 31 (2022) 025011 (10pp)	M21a
10	Third-order transport coefficients for electrons in N2 and CF4: effects of non-conservative collisions, concurrence with diffusion coefficients and contribution to the spatial profile of the swarm, I Simonović, D Bošnjaković, Z Lj Petrović, R D White and S Dujko, 2022 Plasma Sources Sci. Technol. 31 015003	M21a
11	Effective ionization coefficients for low current dcdischarges in alcohol vapours at low pressure, Jelena Marjanović, Dragana Marić, Gordana Malović, and Zoran Lj. Petrović Eur. Phys. J. D (2021) 75:191	M23
12	Monte Carlo simulation of RF breakdown in oxygen – the roleof attachment, Marija Puač, Antonije Đorđević, and Zoran Lj Petrović, Eur. Phys. J. D 74, 72 (2020).	M23
13	Foundations and interpretations of the pulsed-Townsend experiment, M J E Casey, P W Stokes, D G Cocks, D Bošnjaković, I Simonović, M J Brunger, S Dujko, Z Lj Petrović, R E Robson and R D White, Plasma Sources Sci. Technol. 30 (2021) 035017 (11pp)	M21a
14	Low-pressure DC breakdown in alcohol vapours, Jelena Sivoš, Dragana Marić, Gordana Malović, and Zoran Lj. Petrović, Eur. Phys. J. D (2020) 74: 64	M23
15	Gas breakdown and secondary electron yields, Dragana Marić, Marija Savić, Jelena Sivoš, Nikola Škoro, Marija Radmilović-Radjenović, Gordana Malović, Zoran Lj. Petrović, Eur. Phys. J. D (2014), 68:155	M22
16	Measurement and interpretation of swarm parameters and their application in plasma modelling, Z Lj Petrović, S Dujko, D Marić, G Malović, Ž Nikitović, O Šašić, J Jovanović, V Stojanović and M Radmilović-Radenović, J. Phys. D: Appl. Phys. 42 (2009) 194002 (33pp)	M21
17	Plasma-Activated Medium Potentiates the Immunogenicity of Tumor Cell Lysates for Dendritic Cell-Based Cancer Vaccines, S Tomić, A Petrović, N Puač, N Škoro, M Bekić, Z Lj. Petrović and M Čolić, Cancers 2021, 13(7), 1626;	M21
18	Low-pressure DC breakdown in alcohol vapours, Jelena Sivoš, Dragana Marić, Gordana Malović, and Zoran Lj. Petrović, Eur. Phys. J. D (2020) 74: 64	M22
19	DC discharge in low-pressure ethanol vapour, J Sivoš, D Marić, N Škoro, G Malović and Z Lj Petrović Plasma Sources Sci. Technol. 28 (2019) 055011 (8pp)	M21a
20	Plasma needle-induced cell cycle arrest of human lung carcinoma cells A549 via p21-dependent pathway, N Selaković, N Gligorijević, M Čavić, N Puač, G Malović,Siniša Radulović, Zoran Lj. Petrović, Eur. Phys. J. Plus (2023) 138:1090	M21

Collective data of scientific teacher activities			
Total number of citations, without auto-citations	7000	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	303	Number of international projects in which the teacher is currently participating	1

Professional training

post doctoral specialization: Sand Diego state university 6 months; University of Colorado at Boulder and JILA 3 years; Keio University Japan

Other relevant data

Fellow American Physical society (2012 -lifetime)

award Марко Јарић 2005

Outstanding referee American Physical Society - lifetime

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Popović Ivan
Teaching position	full professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree	1999.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics
Master's degree				
Bachelor diploma	1996.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Optimization of Battery State Of Charge Estimation in Embedded Systems	Haris Turkmanovic	2025	
2	Implementation model for service oriented smart transducers networks	Nikola Bezanic	2015	2016
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	H. Turkmanović, I. Popović, V. Rajović, Toward Energy Efficient Battery State of Charge Estimation on Embedded Platforms, Electronics 2024, Vol. 13, No. 21, 4256. https://doi.org/10.3390/electronics13214256	M22
2	H. Turkmanović, M. Karličić, V. Rajović, I. Popović, High Performance Software Architectures for Remote High-Speed Data Acquisition, Electronics 2023; Vol. 12, No. 20, 4206. https://doi.org/10.3390/electronics12204206	M22
3	Popović, I.; Janković, S. Methodology for Power-Performance Trade-Off Management in Real-Time Embedded Applications, Electronics 2022, 11, 1482. https://doi.org/10.3390/electronics11091482	M22
4	Popović, I.; Radovanovic, I.; Vajs, I.; Drajic, D.; Gligorić, N. Building Low-Cost Sensing Infrastructure for Air Quality Monitoring in Urban Areas Based on Fog Computing, Sensors 2022, 22, 1026. https://doi.org/10.3390/s22031026	M21

5	Popović, I.; Rakić, A.; Petruševski, I. Multi-Agent Real-Time Advanced Metering Infrastructure Based on Fog Computing, Energies 2022, vol. 15, No. 1, pp. 1-24, Januar 2022. https://doi.org/10.3390/en15010373	M22
6	I. Vajs, D. Drajić, N. Gligorić, I. Radovanović, I. Popović, Developing Relative Humidity and Temperature Corrections for Low-Cost Sensors Using Machine Learning, Sensors, Vol. 21, No. 3338, pp. 1 - 22, May, 2021	M21
7	Radovanovic, I.; Popovic, I. Identification of Degrading Effects in the Operation of Neighboring Photovoltaic Systems in Urban Environments, Electronics 2021, 10, 762. https://doi.org/10.3390/electronics10070762	M22
8	H. Turkmanović, I. Popović, D. Drajić, and Z. Čiča, Green computing for IoT – Software approach, Facta universitatis – Series Electronics and energetics Vol. 35, No. 4, pp. 541-555, Dec 2022	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	114	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Popović Zoran
Teaching position	Member of the Academy of Sciences and Arts
Narrow scientific (artistic) field	Science of Materials

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2006.	Serbian Academy of Sciences and Arts		
Doctoral degree	1984.	University of Ljubljana	Science of Materials	Solid state physics
Specialization				
MSc/MA degree	1977.	Centar for Multidisciplinary studies University of Belgrade	Science of Materials	Solid state physics
Master's degree				
Bachelor diploma	1975.	University of Belgrade School of Electrical Engeneering	Electrical Engineering	Technical Physics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Nanoscale phase searation in iron/based superconductors investigated by Raman spectroscopy	Marko Opačić	2017	2018
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	S. Đurđić-Mijin, A. Šolajić, J. R. Pešić, M. J. Šćepanović, Y. Liu, A. Baum, C. Petrovic, N. N. Lazarević, Z. V. Popović, "Lattice dynamics and phase transition in CrI$_3$ single crystals", *Phys. Rev. B* **98**, 10 (2018).	M21
2	A. Milosavljević, A. Šolajić, J. R. Pešić, Y. Liu, C. Petrovic, N. N. Lazarević, Z. V. Popović, "Evidence of spin-phonon coupling in CrSiTe$_3$", *Phys. Rev. B* **98**, 10 (2018).	M21
3	A. Baum, A. R. Milosavljević, N. Lazarević, M. M. Radonjić, B. Nikolić, M. Mitschek, Z. Maranloo, Z. Inanloo, M. J. Šćepanović, M. U. Grujić-Brojčin, N. Stojilović, M. Opel, A. Wang, C. Petrovic, Z. V. Popović, R. Hackl, "Phonon anomalies in FeS", *Phys. Rev. B* **97**, 5 (2018).	M21
4	A. Baum, H. N. Ruiz, N. Lazarević, Y. Wang, T. Böhm, R. H. Ahangharnejhad, P. Adelmann, T. Wolf, Z. V. Popović, B. Moritz and T. P. Devereaux, R. Hackl "Frustrated spin order and stripe fluctuations in FeSe", *Commun. Phys.* **2**, 14 (2019).	M21
5	S. Đurđić-Mijin, A. Baum, J. Bekaert, A. Šolajić, J. Pešić, Y. Liu, G. He, M. V. Milošević, C. Petrovic, Z. V. Popović, R. Hackl and N. Lazarević, "Probing charge density wave phases and Mott transition in 1T-TaS$_2$ by inelastic light scattering", *Phys. Rev. B* **103**, 245133 (2021).	M21
6	N. Lazarević, A. Baum, A. Milosavljević, L. Peis, R. Stumberger, J. Bekaert, A. Šolajić, J. Pešić, A. Wang, M. Šćepanović, A. M. M. Abeykoon, M. V. Milošević, C. Petrovic, Z. V. Popović and R. Hackl, "Evolution of lattice, spin, and charge properties across the phase diagram of FeSe$_{1-x}$S$_x$", *Phys. Rev. B* **106**, 094510 (2022).	M21

7	S. Đurđić-Mijin, A. Šolajić, J. Pešić, Y. Liu, C. Petrovic, M. Bockstedte, A. Bonanni, Z. V. Popović and N. Lazarević, “Spin-phonon interaction and short-range order in $Mn_3Si_2Te_6$”, *Phys. Rev. B* **107**, 054309 (2023).	M21
8	J. Blagojević, S. Đurđić-Mijin, J. Bekaert, M. Opačić, Y. Liu, M. V. Milošević, C. Petrovic, Z. V. Popović and N. Lazarević, “Competition of disorder and electron-phonon coupling in 2H–$TaSe_{2-x}S_x$ ($0 \le x \le 2$) as evidenced by Raman spectroscopy”, *Phys. Rev. Mater.* **8**, 024004 (2024).	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	4555	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	223	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Potrebić Ivaniš Milka
Teaching position	full professor
Narrow scientific (artistic) field	Circuit and system theory

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2020.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Circuit and system theory
Doctoral degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Circuit and system theory
Specialization				
MSc/MA degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Circuit and system theory
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Circuit and system theory

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	APPLICATION OF MEMRISTORS IN REALIZATION OF MICROWAVE PASSIVE CIRCUITS	Ivo Marković	2021	2022
2	MICROWAVE BANDSTOP FILTERS USING RESONANT INSERTS PLACED IN E-PLANE AND H-PLANE OF WAVEGUIDE	Marija Mrvić	2018	2019
3	MICROWAVE WAVEGUIDE FILTERS USING PRINTED-CIRCUIT	Snežana Stefanovsk	2014	2015
4	MICROWAVE FILTERS WITH QUASI-LUMPED ELEMENTS	Dejan Miljanović	2013	2015
5	MICROWAVE PLANAR FILTERS WITH MULTI-MODE RESONATORS	Ana Plazinić	2017	2019
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	D. Miljanović, M. Potrebić Ivaniš, I. Marković, "Reconfigurable Memristive Quasi-Lumped Dual-Band Bandpass Filters",Micromachines, vol.16, no.7, 777, pp. 1-21 , 2025.	M21
2	M Ninić, B Jokanović, M Potrebić Ivaniš, "A very compact eleven-state bandpass filter with split-ring resonators", Electronics, vol. 14, no. 17, 3348, pp. 1-18, 2025.	M22
3	S. Radovanović, M. Potrebić Ivaniš, D. Tošić, A. Tatović, "Compact multilayer reconfigurable dual-band filters using mixed resonators", JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, vol. 34, no.16, 2541004, pp. 1-25, 2025.	M22
4	P. Ranjan, N. Mishra, J. Radovanović, M. Potrebić Ivaniš, L. Murmu, J. Kumar Rai, "Refractive index sensing: study and analysis for SARS-CoV-2 detection", Optical and Quantum Electronics, vol. 56, no.7, 1278, pp. 1-13, 2024.	M21
5	I. Marković, M. Potrebić Ivaniš, D. Tošić, "The Dynamic Tunability of Memristor-Based Active Filters", Micromachines , Vol. 14, No. 11, pp. 1 - 13, 2023.	M21

6	A. Kovačević, M. Potrebić, D. Tošić, "The impact of finite dimensions on the sensing performance of terahertz metamaterial absorber", FACTA UNIVERSITATIS - SERIES: ELECTRONICS AND ENERGETICS, Vol. 36, No. 1, pp. 17 - 29, Mar, 2023.	M23
7	M. Radovanović, S. Stefanovski Pajović, M. Tasić, M. Potrebić Ivaniš, D. Tošić, "Bandpass filters with conductively coupled eighth-mode SIW resonators", OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Vol. 16, No. 9-10, pp. 443 - 449,	M23
8	A. Kovačević, D. Tošić, M. Potrebić, "Sensitivity Characterization of Multi-Band THz Metamaterial Sensor for Possible Virus Detection", Electronics , Vol. 11, No. 5, pp. 1 - 19, Feb, 2022.	M22
9	I. Marković, M. Potrebić, D. Tošić, "Memristors as candidates for replacing digital potentiometers in electric circuits", Electronics , Vol. 10, No. 2, pp. 1 - 18, 2021.	M22
10	M. Miletić, M. Potrebić, D. Tošić, N. Basta, "Waveguide digital step attenuator using quarter-wave resonators and memristors", AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, Vol. 127, pp. 153493-1 - 9, Dec, 2020.	M22
11	Z. Cvetković, Ž. Manić, M. Potrebić, S. Ilić, "EFFECTS OF EXTERNAL BODIES MADE OF DIFFERENT MATERIALS ON PLAN-PARALLEL SYSTEM FIELD HOMOGENEITY", REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, Vol. 64, No. 1, pp. 3 - 8, 2019.	M23
12	I. Marković, M. Potrebić, D. Tošić, "Main-line memristor mounted type loaded-line phase shifter realization", MICROELECTRONIC ENGINEERING, Vol. 185-186, pp. 48 - 54, Jan, 2018.	M22
13	M. Potrebić, D. Tošić, D. Biolek, "Reconfigurable microwave filters using memristors", INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, Vol. 46, No. 1, pp. 113 - 121, 2018.	M22
14	D. Biolek, Z. Kolka, V. Biolková, Z. Biolek, M. Potrebić, D. Tošić, "Modeling and simulation of large memristive networks", INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, Vol. 46, No. 1, pp. 50 - 65, 2018.	M22
15	M. Potrebić, D. Tošić, A. Plazinić, "Reconfigurable multilayer dual-mode bandpass filter based on memristive switch", AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, Vol. 97, pp. 290 - 298, Dec, 2018.	M22
16	A. Plazinić, M. Potrebić, D. Tošić, "Compact microwave multilayer dual-band bandpass filter with folded dual-mode resonators", JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 19, No. 5-6, pp. 352 - 358, 2017.	M23
17	M. Mrvić, M. Potrebić, D. Tošić, "Compact H-plane dual-band bandstop waveguide filter", Journal of Computational Electronics, Vol. 16, No. 3, pp. 939 - 951, 2017.	M22
18	M. Mrvić, M. Potrebić, D. Tošić, "Compact E plane waveguide filter with multiple stopbands", RADIO SCIENCE, Vol. 51, No. 12, pp. 1895 - 1904, Dec, 2016.	M22
19	S. Stefanovski, M. Potrebić, D. Tošić, Z. Stamenković, "Compact Dual-Band Bandpass Waveguide Filter with H-Plane Inserts", JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 25, No. 3, pp. (1640015) 1 - 18, Mar, 2016.	M23
20	S. Stefanovski Pajović, M. Potrebić, D. Tošić, Z. Cvetković, "Fabrication parameters affecting implementation of waveguide bandpass filter with complementary split-ring resonators", Journal of Computational Electronics, Vol. 15, No. 4, pp. 1462 - 1472, Dec, 2016.	M22

Collective data of scientific teacher activities

Total number of citations, without auto-citations	270	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	30	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Associate Editor: AEÜ - International Journal of Electronics and Communications (ISSN: 1434-8411)

Special Issue Editor: Micromachines (2023 - 2 Spec. Issues, 2025), Electronics (2025)

Serbian MC member of COST Action CA18223, SyMat, 2019–2024.

Project Manager Ministry of Education, Republic of Serbia: RF and Microwave Infrastructure in Information Communication Systems (RFMICS), Projects - Higher Education Development, Ministry of Education, Republic of Serbia, 2021-2022.

Vice-chair of Serbia and Montenegro IEEE MTT-S Chapter, Member of Steering Committee of ETRAN Society for Electric circuits and systems and signal processing

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Prokin Milan
Teaching position	full professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2003.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electronics
Doctoral degree	1990.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electronics
Specialization				
MSc/MA degree	1988.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electronics
Master's degree				
Bachelor diploma	1986.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	A distributed method for self-calibration of magnetoresistive angular position sensor within a servo system	Vladimir Čeperković	2022	2025
2	Terminal for remote control of hybrid station for electric vehicle charging	Jovan Vujasinović	2023	2023
3	Hardware realization of the fast decoder of compressed image with minimum required resources	Goran Savić	2015	2017
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Jovan Vujasinović, Goran Savić, Milan Prokin, Model-Driven Developed Terminal for Remote Control of Charging Station for Electric Vehicles Powered by Renewable Energy, Electronics, Vol. 12, No. 8, pp. 1 - 24, Apr, 2023	M22
2	V. Čeperković, V. Rajović, M. Prokin, A Distributed Method for Self-Calibration of Magnetoresistive Angular Position Sensor within a Servo System, SENSORS, Vol. 22, No. 16, pp. 5974 - 5974, Aug, 2022	M21
3	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Digital Image Decoder for Efficient Hardware Implementation, SENSORS, Vol. 22, No. 23, pp. 1 - 26, Dec, 2022	M21
4	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Memory Efficient Hardware Architecture for 5/3 Lifting-Based 2-D Forward Discrete Wavelet Transform, MICROPROCESSORS AND MICROSYSTEMS, Vol. 87, No. 104176, pp. 1 - 12, Nov, 2021	M21
5	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Novel one-dimensional and two-dimensional forward discrete wavelet transform 5/3 filter architectures for efficient hardware implementation, JOURNAL OF REAL-TIME IMAGE PROCESSING, Vol. 16, No. 5, pp. 1459 - 1478, Oct, 2019	M22

6	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Efficient one-dimensional forward and inverse discrete wavelet transformers, MICROPROCESSORS AND MICROSYSTEMS, Vol. 63, pp. 28 - 35, Nov, 2018	M22
7	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, High-performance 1-D and 2-D inverse DWT 5/3 filter architectures for efficient hardware implementation, CIRCUITS, SYSTEMS, AND SIGNAL PROCESSING, Vol. 36, No. 9, pp. 3674 - 3701, Sep, 2017	M22
8	Vladimir Rajović, Goran Savić, Vladimir Čeperković, Milan Prokin, Combined one-dimensional lowpass and highpass filters for subband transformer, ELECTRONICS LETTERS, Vol. 49, No. 18, pp. 1150 - 1152, Aug, 2013	M22
9	D. Prokin, M. Prokin, Low Hardware Complexity Pipelined Rank Filter, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS. II: EXPRESS BRIEFS, Vol. 57, No. 6, pp. 446 - 450, Jun, 2010	M21
10	J. Elazar, S. Selmić, M. Tomić, M. Prokin, A fibre-optic displacement sensor for a cyclotron environment based on a modified triangulation method, JOURNAL OF OPTICS A: PURE AND APPLIED OPTICS, Vol. 4, No. 6, pp. 347 - 355, Nov, 2002	M21
11	M. Prokin, Power Booster Audio Amplifier, IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 48, No. 1, pp. 23 - 33, Feb, 2002	M22
12	M. Prokin, Extremely wide speed range measurement system, REVIEW OF SCIENTIFIC INSTRUMENTS, Vol. 73, No. 4, pp. 1962 - 1964, Apr, 2002	M21a
13	M. Prokin, Boost Bridge Amplifier, ELECTRONICS LETTERS, Vol. 37, No. 10, pp. 609 - 610, May, 2001	M21
14	M. Prokin, Boost Bridge Audio Amplifier, IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, Vol. 47, No. 2, pp. 214 - 224, May, 2001	M22
15	M. Prokin, DMA transfer method for wide-range speed and frequency measurement, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. 42, No. 4, pp. 842 - 846, Aug, 1993	M21
16	M. Prokin, Dynamic response of a frequency measuring system, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. 41, No. 3, pp. 390 - 396, Jun, 1992	M21
17	M. Prokin, Extremely wide-range speed measurement using a double-buffered method, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Vol. 41, No. 5, pp. 550 - 559, Oct, 1994	M22
18	M. Prokin, Speed measurement using the improved DMA transfer method, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Vol. 38, No. 6, pp. 476 - 483, Dec, 1991	M22
19	M. Prokin, Double buffered wide-range frequency measurement method for digital tachometers, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. 40, No. 3, pp. 606 - 610, Jun, 1991	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	489	Number of local projects in which the teacher is currently participating	4
Total number of papers on the SCI (SSCI) list	19	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Protić Jelica
Teaching position	full professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2017.	University of Belgrade - School of Electrical Engineering	Electrical engineering and computing	Computer engineering and information technology
Doctoral degree	1999.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Computer engineering and information technology
Specialization				
MSc/MA degree	1994.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1987.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Improving Source Code Plagiarism Detection Systems	Marko Mišić	2016	2017
2	Performance improvement of collecting user-generated content on the Web using adaptive intelligent methods	Miloš Pavković	2017	2021
3	Performance improvement of asymmetric multi-core processors through transactions migration and customization of the cache memory subsystem	Živojin Šuštran	2017	2021
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	J. Protić, M. Pavković, SInFo – Structure-Driven Incremental Forum Crawler That Optimizes User-Generated Content Retrieval, IEEE ACCESS, Vol. 7, pp. 126941 - 126961, Sep, 2019	M21
2	Z. Sustran, J. Protic, Migration in Hardware Transactional Memory on Asymmetric Multiprocessor, IEEE ACCESS, Vol. 9, pp. 69346 - 69364, May, 2021	M21
3	M. Savić, M. Ivanović, I. Luković, B. Delibašić, J. Protić, D. Janković, Students' Preferences in Selection of Computer Science and Informatics Studies - A Comprehensive Empirical Case Study, COMPUTER SCIENCE AND INFORMATION SYSTEMS - COMSIS, Vol. 18, No. 1, pp. 251 - 283, Jan, 2021	M23
4	I. Mitrović, M. Mišić, J. Protić, Exploring high scientific productivity in international co-authorship of a small developing country based on collaboration patterns, Journal of Big Data, Vol. 10, No. 64, May, 2023	M21a
5	Đ. Pešić, M. Vujošević Janičić, M. Mišić, J. Protić, A Novel Approach to Source Code Assembling in the Field of Algorithmic Complexity, COMPUTER SCIENCE AND INFORMATION SYSTEMS - COMSIS, Vol. 21, No. 3, pp. 781 - 806, Jun, 2024	M22
6	Z. Babović, J. Protić, V. Milutinović, Web Performance Evaluation for Internet of Things Applications, IEEE ACCESS, Vol. 4, pp. 6974 - 6992, Oct, 2016	M21
7	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, A Systematic Approach to Generation of New Ideas for PhD Research in Computing, ADVANCES IN COMPUTERS, Vol. 104, pp. 1 - 31, Feb, 2017	M22

8	Pavle V. Vuletić, Jelica Ž. Protić, Self-similar cross-traffic analysis as a foundation for choosing among active available bandwidth measurement strategies, COMPUTER COMMUNICATIONS, Vol. 34, No. 10, pp. 1145 - 1158, Jul, 2011	M22
9	J. Protić, D. Ristanović, Building Computers in Serbia: The First Half of the Digital Century, COMPUTER SCIENCE AND INFORMATION SYSTEMS - COMSIS, Vol. 8, No. 3, pp. 549 - 571, Jun, 2011	M23
10	M. Mišić, Ž. Šuštran, J. Protić, A Comparison of Software Tools for Plagiarism Detection in Programming Assignments, INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, Vol. 32, No. 2, pp. 738 - 748, Apr, 2016	M23
11	D. Ristanović, J. Protić, Once Upon a Pocket: Programmable Calculators from the Late 1970s and Early 1980s and the Social Networks around them, IEEE ANNALS OF THE HISTORY OF COMPUTING, Vol. 34, No. 3, pp. 55-66, Jul, 2012.	M22
12	M. Živković, B. Nikolić, J. Protić, R. Popović, A Survey and Classification of Wireless Sensor Networks Simulators Based on the Domain of Use, AD HOC & SENSOR WIRELESS NETWORKS, Vol. 20, No. 3-4, pp. 245-287, 2014.	M23
13	D. Bojić, A. Bošnjaković, J. Protić, I. Tartalja, A Modified Hill-Climbing Algorithm for Knowledge Test Assembly Based on Classified Criteria, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, Vol. 26, No. 06, pp. 953-980, Aug, 2016.	M23
14	A. Bošnjaković, J. Protić, D. Bojić, I. Tartalja, Automating the Knowledge Assessment Workflow for Large Student Groups: A Development Experience, INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, Vol. 31, No. 4, pp. 1058-1070, Jul, 2015.	M23
15	Dejan Ristanovic, Jelica Protic, The Book Cipher Algorithm, DR. DOBB`S JOURNAL: SOFTWARE TOOLS FOR THE PROFESSIONAL PROGRAMMER, pp. 46-51, Oct, 2008.	M23
16	J. Protić, M. Tomašević, V. Milutinović, Distributed Shared Memory: Concepts and Systems, IEEE PARALLEL AND DISTRIBUTED TECHNOLOGY SYSTEMS, Vol. 4, No. 2, pp. 63-79, Aug, 1996.	M21
17	M. Aleksić, M. Novaković, A. Car, J. Protić, CISC versus RISC processors for graphics: a simulation study, MICROPROCESSING AND MICROPROGRAMMING, Vol. 37, No. 1-5, pp. 45-48, Jan, 1993.	M23
18	J. Protić, M. Aleksić, An example of the efficient message protocol for industrial LAN, MICROPROCESSING AND MICROPROGRAMMING, Vol. 37, No. 1-5, pp. 201-204, Jan, 1993.	M23
19	J. Protić, M. Tomašević, V. Milutinović, Distributed Shared Memory: Concepts and Systems, Computer Society Press, 1998.	M12
20	M. Mišić, J. Protić, M. Tomašević, Improving Source Code Plagiarism Detection: Lessons Learned, 25th Telecommunications forum TELFOR 2017, pp. 856-864, Belgrade, Nov, 2017.	M33

Collective data of scientific teacher activities

Total number of citations, without auto-citations	424	Number of local projects in which the teacher is currently participating	3
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	2

Professional training

Study visit to the following universities: Stanford, UC Berkeley, UC Santa Clara, California

Other relevant data

Vice Dean of Academic Affaires 2004-2009

Dean's advisor for quality assurance, control and improvement since 2012

Head of the Division of Computer Engineering and Information Technology 2012-2018

Head of the Department of Computer Engineering and Information Technology since 2018

President of the Academic Council of Technical Sciences, University of Belgrade, since 2018

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Punt Marija
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Anomaly detection using meta features in automated machine learning systems	Miloš Kotlar	2022	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	N. Ilić, M. Vučetić, A. Makarov, R. Petrović, M. Punt, Adaptive Asynchronous Gossip Algorithms for Consensus in Heterogeneous Sensor Networks, IEEE Internet of Things Journal, Vol. 12, No. 13, Apr, 2025 doi:10.1109/JIOT.2025.3559242	M21a+
2	Z. Kuzmanović, S. Čubrilović, M. Punt, D. Vučić, B. Kovačević, Characterization of OFDM-Based Secure Data Transmission Over Voice Channels, IEEE SIGNAL PROCESSING LETTERS, Vol. 32, pp. 3230 - 3234, Jun, 2025 doi:10.1109/LSP.2025.3596526	M21
3	M. Punt, D. Vučić, Software Implementation and Cyclic Feature Characterization of Nu-FBMC/OQAM Signals, IEEE ACCESS, Vol. 12, pp. 26636 - 26641, Feb, 2024 doi:10.1109/ACCESS.2024.3367238	M21
4	S. Čubrilović, Z. Kuzmanović, M.Punt, D. Vučić, B. Kovačević, FBMC/OQAM-Based Secure Voice Communications Over Voice Channels, IEEE ACCESS, Vol. 12, pp. 94452 - 94460, Jul, 2024 doi:10.1109/ACCESS.2024.3424315	M21

5	R. Vešović, M. Milosavljević, M. Punt, J. Radomirović, A Machine Learning Multilayer Meta-Model for Prediction of Postoperative Lung Function in Lung Cancer Patients, Applied Sciences, Vol. 14, No. 4, Feb, 2024.	M21
6	M. Kotlar, M. Punt, Z. Radivojević, M. Cvetanović, V. Milutinović, Novel Meta-Features for Automated Machine Learning Model Selection in Anomaly Detection, IEEE ACCESS, Vol. 9, pp. 89675 - 89687, Jun, 2021 doi:10.1109/ACCESS.2021.3090936	M22
7	N. Ilić, M. Punt, Distributed Ensemble Clustering in Networked Multi-Agent Systems, Electronics , Vol. 12, No. 22, pp. 1-18, Nov, 2023.	M22
8	M. Kotlar, M. Punt,V. Milutinović, Energy efficient implementation of tensor operations using dataflow paradigm for machine learning, ADVANCES IN COMPUTERS, Vol. 126, pp. 151-199, Mar, 2022. doi:10.1016/bs.adcom.2021.11.011	M21
9	M. Kotlar, D. Bojić, M Punt, V. Milutinović, Survey of deployment locations and underlying hardware architectures for contemporary deep neural networks, INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, Vol. 15, No. 8, pp. 1-10, 2019.	M22
10	Z. Radivojevic, Z. Stanisavljevic, M. Punt, Configurable simulator for computer architecture and organization, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 26, No. 5, pp. 1711-1724, Sep, 2018. doi:10.1002/cae.22034	M22
11	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, A Systematic Approach to Generation of New Ideas for PhD Research in Computing, ADVANCES IN COMPUTERS, Vol. 104, pp. 1-31, Feb, 2017. doi:10.1016/bs.adcom.2016.09.001	M22
12	M. Punt, M. Bjelica, V. Zdravkovic, N. Teslic, An integrated environment and development framework for social gaming using mobile devices, digital TV and Internet, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 74, No. 18, pp. 8137-8169, Sep, 2015. doi:10.1007/s11042-014-2045-8	M21
13	M. Punt, M. Tomašević, J. Đorđević, Evaluation and analysis of an on-line error detection monitoring technique, COMPUTERS & ELECTRICAL ENGINEERING, Vol. 39, No. 2, pp. 261-273, Feb, 2013. doi:10.1016/j.compeleceng.2012.11.011	M22
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	105	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	14	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Radaković Zoran
Teaching position	full professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Doctoral degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Specialization				
MSc/MA degree	1992.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Master's degree				
Bachelor diploma	1989.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	IMPROVEMENT OF THE DETAILED THERMAL-HYDRAULIC MODEL OF OIL-IMMERSED POWER TRANSFORMERS, AND EXTENSION OF ITS APPLICATION	Uros Radoman	2022	2023
2	THE DETECTION OF SERIES ARC FAULT IN DC CIRCUIT OF PHOTOVOLTAIC SYSTEMS	Nikola Georgijevic	2017	2020
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	Radakovic, Z., Picher, P., Novkovic, M., Torriano, F. (2025): Dynamic Thermal Digital Twin of Liquid-Immersed Power Transformer, IEEE Access, Vol. 13, pp. 153308 - 153319. (DOI: 10.1109/ACCESS.2025.3604720).	M21
2	Novkovic, M., Torriano, F., Picher, P., Radakovic, Z. (2024): Application of Dynamic Detailed Thermal Hydraulic Model on a Transformer with zig-zag winding scale model, IEEE Trans. on Power Delivery, Vol. 39, No. 6, pp. 3338 - 3346. (DOI: 10.1109/TPWRD.2024.3466297).	M21
3	Stanisic, S., Radakovic, Z. (2023): Method for characterization of soil electrical resistivity based on Wenner measurements by means of Nelder–Mead algorithm and FEM calculations, Electrical Engineering, Published online 08 August 2023, (DOI: 0.1007/s00202-023-01950-z)	M22
4	Novkovic, M., Popovic, A., Briosso, E., Martinez Iglesias, R., Radakovic, Z. (2022): Dynamic thermal model of liquid-immersed shell-type transformers, International Journal of Electrical Power & Energy Systems, Nov 2022, Volume 142, Part B (DOI: 10.1016/j.ijepes.2022.108347)	M21

5	Davidovic, M., Đorđević, N., Mikulović J., Kostic, M., Radakovic, Z. (2021): Voltage distortion in LED street lighting installations, Electrical Engineering, Vol. 103, No. 4, pp. 2161 - 2180 (DOI: 10.1007/s00202-020-01181-6)	M22
6	Georgijevic, N., Stojic, Dj., Radakovic, Z. (2020): Arc Fault Detection in Photovoltaic System by Small-Signal Impedance, International Transactions on Electrical Energy Systems, Article ID: ETEP12234, Volume 30, Issue 2 (February 2020), DOI: 10.1002/2050-7038.12234	M22
7	Rogora, D., Nazzari, S. , Radoman, U., Radakovic, Z. (2020): Experimental research on the characteristics of radiator batteries of oil immersed power transformers, IEEE Trans. on Power Delivery, Vol. 35, No. 2, pp. 725 - 734. (DOI: 10.1109/TPWRD.2019.2925451).	M21
8	Vasovic, V., Lukic, J., Mihajlovic, D., Pejovic, B., Radakovic, Z., Radoman, U., Orlovic, A.: Aging of transformer insulation — experimental transformers and laboratory models with different moisture contents: Part I — DP and furans aging profiles, IEEE Trans. on Dielectrics and Electrical Insulation, Vol. 26, No. 6 (2019), pp. 1840-1846. DOI: 10.1109/TDEI.2019.008183	M22
9	Vasovic, V., Lukic, J., Mihajlovic, D., Pejovic, B., Milovanovic, M., Radoman, U. , Radakovic, Z.: Aging of transformer insulation of experimental transformers and laboratory models with different moisture contents: Part II — moisture distribution and aging kinetics, IEEE Trans. on Dielectrics and Electrical Insulation, Vol. 26, No. 6 (2019), pp. 1847-1852. DOI: 10.1109/TDEI.2019.008184	M22
10	Das, B., Radakovic, Z. (2018), Is Transformer kVA Derating Always Required Under Harmonics? A Manufacturer's Perspective, IEEE Trans. on Power Delivery, Vol. 33, No. 6, pp. 2693-2699. (DOI: 10.1109/TPWRD.2018.2815901)	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	1037	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	47	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Research Fellow of the Alexander von Humboldt-Foundation. The University of Stuttgart, Germany

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Radivojević Zaharije
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Speculative execution of instructions with imprecisely predicted operands	Uroš Radenković	2023	2024
2	Application of artificial intelligence for kinematic signal processing in diagnostics of Parkinson's disease and atypical	Minja Belić	2021	2023
3	Anomaly detection using meta features in automated machine learning systems	Miloš Kotlar	2021	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	S. Tubic, Z. Radivojevic, S. Stojanovic, M. Cvetanovic, AFD-An Architectural Language for Integral Modeling, IEEE ACCESS, Vol. 12, pp. 127165-127184, Sep, 2024.	M21
2	B. Cvijetić, Z. Radivojević, Restoration of Data Structures Using Machine Learning Techniques, IEEE ACCESS, Vol. 11, pp. 113077-113099, Oct, 2023.	M21
3	N. Pejić, Z. Radivojević, M. Cvetanović, Analyzing the Impact of COVID-19 on GitHub Event Trends, Sustainability, Vol. 15, No. 19, pp. 1-16, Oct, 2023. doi:10.3390/su151914622	M21
4	U. Radenković, M. Mićović, Z. Radivojević, Evaluation and Benefit of Imprecise Value Prediction for Certain Types of Instructions, Electronics , Vol. 12, No. 17, pp. 1-23, Aug, 2023.	M22
5	N. Pejić, Z. Radivojević, M. Cvetanović, Helping Pull Request Reviewer Recommendation Systems to Focus, IEEE ACCESS, Vol. 11, pp. 71013-71025, Jul, 2023.	M21
6	M. Belić, Z. Radivojević, V. Krsmanović, V. Kostić, M. Djuric-Jovicic, Quick computer aided differential diagnostics based on repetitive finger tapping in Parkinson's disease and atypical	M21

7	M. Kotlar, M. Punt, Z. Radivojević, M. Cvetanović, V. Milutinović, Novel Meta-Features for Automated Machine Learning Model Selection in Anomaly Detection, IEEE ACCESS, Vol. 9, pp. 89675-89687, Jun, 2021. doi:10.1109/ACCESS.2021.3090936	M21
8	S. Tubić, M. Cvetanović, Z. Radivojević, S. Stojanović, Annotated functional decomposition, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 29, No. 5, pp. 1390-1402, Jan, 2021. doi:10.1002/cae.22394	M21
9	Z. Radivojevic, Z. Stanisavljevic, M. Punt, Configurable simulator for computer architecture and organization, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 26, No. 5, pp. 1711-1724, Sep, 2018. doi:10.1002/cae.22034	M22
10	M. Cvetanović, Z. Radivojević, V. Milutinović, Restart optimization for transactional memory with lazy conflict detection, INTERNATIONAL JOURNAL OF PARALLEL PROGRAMMING, Vol. 45, No. 3, pp. 482-507, Jun, 2017. doi:10.1007/s10766-016-0411-z	M22
11	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, A Systematic Approach to Generation of New Ideas for PhD Research in Computing, ADVANCES IN COMPUTERS, Vol. 104, pp. 1-31, Feb, 2017. doi:10.1016/bs.adcom.2016.09.001	M22
12	Z. Radivojević, M. Cvetanović, S. Stojanović, Comparison of Binary Procedures: A Set of Techniques for Evading Compiler Transformations, COMPUTER JOURNAL, Vol. 59, No. 1, pp. 106-118, Jan, 2016. doi:10.1093/comjnl/bxv076	M22
13	S. Stojanović, Z. Radivojević, M. Cvetanović, Approach for Estimating Similarity between Procedures in Differently Compiled Binaries, INFORMATION AND SOFTWARE TECHNOLOGY, Vol. 58, pp. 259-271, Jul, 2014. doi:10.1016/j.infsof.2014.06.012	M21
14	Z. Radivojević, M. Cvetanović, Z. Jovanović, Reengineering the SLEEP simulator in a concurrent and distributed programming course, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 22, No. 1, pp. 39-51, Mar, 2014. doi:10.1002/cae.20527	M22
15	M. Cvetanović, Z. Radivojević, V. Blagojević, M. Bojović, ADVICE—Educational System for Teaching Database Courses, IEEE TRANSACTIONS ON EDUCATION, Vol. 54, No. 3, pp. 398-409, Aug, 2011. doi:10.1109/TE.2010.2063431	M22
16	B. Nikolic, Z. Radivojevic, J. Djordjevic, V. Milutinovic, A Survey and Evaluation of Simulators Suitable for Teaching Courses in Computer Architecture and Organization, IEEE TRANSACTIONS ON EDUCATION, Vol. 52, No. 4, pp. 449-458, Nov, 2009. doi:10.1109/TE.2008.930097	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	221	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	16	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Radovanović Jelena
Teaching position	full professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Specialization				
MSc/MA degree	1999.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Master's degree				
Bachelor diploma	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Modeling of quantum nanostructures based on wide bandgap oxide semiconductors	Aleksandar Atić	2022	2025
2	Risken-Nummedal-Graham-Haken instabilities and self-pulsing in quantum cascade lasers	Nikola Vuković	2017	2018
3	Modeling and optimization of transport processes in modern nanoelectronic devices	Milan Žeželj	2016	2017
4	Nanoscopy and applications of two-dimensional and quasi-two-dimensional systems	Uroš Ralević	2016	2017
5	Analysis of structural and dynamical properties of complex networks	Jelena Smiljanić	2017	2017
6	Electronic properties of interfaces between domains in organic semiconductors	Marko Mladenović	2015	2017
7	Optimization of laser parameters in interactions with biomaterials	Zoran Latinović	2010	2015
8	Optical Sensors of Fluid Concentration Based on Evanescent field	Nevena Raičević	2013	2015

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	N. Stanojević, A. Demić, N. Vuković, P. Dean, Z. Ikonić, D. Indjin, J. Radovanović, Derivative transfer matrix method: Machine precision calculation of electron structure and interface	M21a+
2	N Stanojević, A Demić, N Vuković, P Dean, Zoran Ikonić, Dragan Indjin, Jelena Radovanović, “Effects of background doping, interdiffusion and layer thickness fluctuation on the transport	M21
3	P. Ranjan, N. Mishra, J. Радовановић, M. Potrebić Ivaniš, L. Murmu, J. Kumar Rai, Refractive index sensing: study and analysis for SARS-CoV-2 detection, Optical and Quantum	M21
4	A. Atić, X. Wang, N. Vuković, N. Stanojević, A. Demić, D. Indjin and J. Radovanović, „Resonant Tunnelling and Intersubband Optical Properties of ZnO/ZnMgO Semiconductor	M21
5	N. Stanojević, N. Vuković , J. Radovanović, “ Calculation of intersubband absorption in n doped BaSnO3 quantum wells”, Optical and Quantum Electronics, 55:383, 2023.	M21
6	N. Vuković , J. Radovanović, V. Milanović, “Refined modelling of anisotropy influence on the optical gain in Mid-IR quantum cascade lasers”, Optical and Quantum Electronics, 54:380,	M21
7	A. Atić, N. Vuković , J. Radovanović, “Calculation of intersubband absorption in ZnO/ZnMgO asymmetric double quantum wells”, Optical and Quantum Electronics, 54:810, 2022.	M22
8	A. Gajic, J. Radovanović, N. Vuković, V. Milanović, D. Boiko, “Theoretical approach to quantum cascade micro-laser broadband multimode emission in strong magnetic fields”, Physics Letters A, Vol. 387, No. 127007, pp. 1 - 9, 2021	M21
9	N. Vuković, J. Radovanović, V. Milanović, D. L. Boiko, “Numerical study of Risken–Nummedal–Graham–Haken instability in mid-infrared Fabry–Pérot quantum cascade lasers,” Optical and Quantum Electronics 52:91, (2020)	M22

10	D. B. Stojanovic, P.P. Belicev, J. Radovanovic, V. Milanovic, “Numerical parametric study of chiral effects and group delays in Omega element based terahertz metamaterial Physics Letters A 383 (15):1816-1820, 2019.	M22
11	N. Opačak, V. Milanović, J. Radovanović, „Transmission singularities in resonant electron tunneling through double complex potential barrier”, Physics Leters A, vol. 381, pp. 3542-	M21
12	N. Vuković, J. Radovanović, V. Milanović, D. L. Boiko „Low-threshold RNGH Instabilities in Quantum Cascade Lasers“, IEEE Journal of Selected Topics in Quantum Electronics, Vol. 23, pp. 1200616-1200616, 2017.	M21a
13	M. Dubajić, A. Daničić, N. Vuković, V. Milanović, and J. Radovanović, “Optimization of cubic GaN/AlGaN quantum cascade structures for negative refraction in the THz spectral range,” Optical and Quantum Electronics 50 (10), p. 373 (2018).	M22
14	N. Opačak, V. Milanović, J. Radovanović, „Transmission and tunneling time characteristics in light propagation through anisotropic double semiconductor layered structure”, Optical and Quantum Electronics, Vol. 50, 142 (1-12), 2018.	M22
15	N. Opačak, V. Milanović, J. Radovanović, „Infinite dwell time and group delay in resonant electron tunneling through double complex potential barrier”, Superlattices and Microstructures, Vol. 112, pp. 415-421, 2017	M22
16	S. Radosavljević, J. Radovanović, V. Milanović, „Tunneling times in bianisotropic, dispersive and absorptive metamaterials“, Physics Letters A, Vol. 380, pp. 4008-4012, 2016.	M21
17	A. Daničić, J. Radovanović, V. Milanović, D. Indjin, Z. Ikonić, " Magnetic–field effects on Thz quantum cascade laser: A comparative analysis of three and four quantum well based active region design", Physica E: Low-dimensional Systems and Nanostructures, Vol. 81, 045101,	M22
18	N. Vuković, J. Radovanović, V. Milanović, D. L. Boiko „Analytical expression for Risken-Nummedal-Graham-Haken instability threshold in quantum cascade lasers“, Optics Express, Vol. 24, pp. 26911-26929, 2016.	M21a
19	D. B. Stojanović, J. Radovanović, V. Milanović, „Time delay in a terahertz chiral metamaterial slab“, Physical Review A, Vol. 94, 023848, 1-7, 2016.	M21
20	A. Daničić, J. Radovanović, S. Ramović, V. Milanović, "Exporing negative refraction conditions for quantum cascade semiconductor metamaterials in the terahertz spectral range", Journal of Physics D: Applied Physics, Vol. 49, 085105, 1-7, 2016.	M21

Collective data of scientific teacher activities

Total number of citations, without auto-citations	492	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	103	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Visiting Professor in the School of Electronic and Electrical Engineering,
Faculty of Engineering and Physical Sciences, University of Leeds, United Kingdom

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Rajić Tomislav
Teaching position	assistant professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Doctoral degree	2020.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Specialization				
MSc/MA degree				
Master's degree	2014	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Bachelor diploma	2012	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Distribution network reconfiguration and reactive power compensation using a combination of simulated annealing and Kruskal algorithm	Branko Stojanović	2023	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Н. Рајаковић, B. Ivanović, И. Батас-Бјелић, T. Rajić, Coupling of the planning and power system analysis software for high-level penetration of renewable energy sources, Energy Conversion and Management X, Vol. 28, Oct, 2025	M21a+
2	B. Stojanović, T. Rajić, D. Šošić, Distribution network reconfiguration and reactive power compensation using a hybrid Simulated Annealing–Minimum spanning tree algorithm, International Journal of Electrical Power & Energy Systems, Vol. 147, pp. 1 - 14, May, 2023	M21
3	T. Pajић, Z. Stojanović, An algorithm for longitudinal differential protection of transmission lines, International Journal of Electrical Power & Energy Systems, Vol. 96, pp. 276 - 286, Jan, 2018	M21
4	T. Rajić, B. Stojanović, Algorithm for distribution network reconfiguration and reactive power compensation with battery energy storage systems, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 244C, Jul, 2025 doi:10.1016/j.epsr.2025.111547	M21

5	T. Pajић, Z. Stojanović, Zero-sequence longitudinal differential protection of transmission lines, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), pp. 747 - 762, Jan, 2020	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	23	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	7	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Rajović Vladimir
Teaching position	associate professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree	2005.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Optimization of Battery State of Charge Estimation in Embedded Systems	Haris Turkmanović	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	H. Turkmanović, I. Popović, V. Rajović, Toward Energy Efficient Battery State of Charge Estimation on Embedded Platforms, Electronics , Vol. 13, No. 21, Oct, 2024. doi:10.3390/electronics13214256	M22
2	H. Turkmanović, M. Karličić, V. Rajović, I. Popović, High Performance Software Architectures for Remote High-Speed Data Acquisition, Electronics , Vol. 12, No. 20, Oct, 2023. doi:10.3390/electronics12204206	M22
3	G. Savić, M. Prokin, V. Rajović, D. Prokin, Digital Image Decoder for Efficient Hardware Implementation, SENSORS, Vol. 22, No. 23, pp. 1-26, Dec, 2022.	M21
4	V. Čeperković, V. Rajović, M. Prokin, A Distributed Method for Self-Calibration of Magnetoresistive Angular Position Sensor within a Servo System, SENSORS, Vol. 22, No. 16, pp. 5974-5974, Aug, 2022.	M21
5	D. Pavlovic, M. Czerkawski, C. Davison, O. Marko, C. Michie, R. Atkinson, V. Crnojevic, I. Andonovic, V. Rajović, G. Kvaščev, C. Tachtatzis, Behavioural Classification of Cattle Using Neck-Mounted Accelerometer-Equipped Collars, SENSORS, Vol. 22, No. 6, pp. 1-18, Mar, 2022. doi:10.3390/s22062323	M21
6	G. Savić, M. Prokin, V. Rajović, Dragana Prokin, Memory Efficient Hardware Architecture for 5/3 Lifting-Based 2-D Forward Discrete Wavelet Transform, MICROPROCESSORS AND MICROSYSTEMS, Vol. 87, No. 104176, pp. 1-12, Nov, 2021.	M21
7	G. Savić, M. Prokin, V. Rajović, D. Prokin, Novel one-dimensional and two-dimensional forward discrete wavelet transform 5/3 filter architectures for efficient hardware implementation, JOURNAL OF REAL-TIME IMAGE PROCESSING, Vol. 16, No. 5, pp. 1459-1478, Oct, 2019. doi:10.1007/s11554-016-0656-1	M22
8	G. Savić, V. Rajović, Novel Memory Efficient Hardware Architecture for 5/3 Lifting-Based 2D Inverse DWT, JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 28, No. 7, pp. 1950118-1-1950118-33, Jun, 2019. doi:10.1142/S0218126619501184	M23

9	G. Savić, M. Prokin, V. Rajović, D. Prokin, Efficient one-dimensional forward and inverse discrete wavelet transformers, MICROPROCESSORS AND MICROSYSTEMS, Vol. 63, pp. 28-35, Nov, 2018. doi:10.1016/j.micpro.2018.08.006	M23
10	N. Jovičić, V. Rajović, A Floating Linear Voltage Regulator for Powering Large-Scale Differential Communication Networks, IEEE ACCESS, Vol. 6, pp. 24669-24679, 2018. doi:10.1109/ACCESS.2018.2832123	M21
11	G. Savić, M. Prokin, V. Rajović, D. Prokin, High-performance 1-D and 2-D inverse DWT 5/3 filter architectures for efficient hardware implementation, CIRCUITS, SYSTEMS, AND SIGNAL PROCESSING, Vol. 36, No. 9, pp. 3674-3701, Sep, 2017. doi:10.1007/s00034-016-0477-2	M22
12	V. Drndarević, N. Jevtić, V. Rajović, S. Stanković, Smart Ionization Chamber for Gamma-Ray Monitoring, NUCLEAR TECHNOLOGY AND RADIATION PROTECTION, Vol. 29, No. 3, pp. 190-198, 2014. doi:10.2298/NTRP1403190D	M23
13	V. Rajović, G. Savić, V. Čeperković, M. Prokin, Combined one-dimensional lowpass and highpass filters for subband transformer, ELECTRONICS LETTERS, Vol. 49, No. 18, pp. 1150-1152, Aug, 2013. doi:10.1049/el.2013.0931	M22
14	T. Price, N. Watson, J. Wilson, V. Rajović, D. Cussans, J. Goldstein, R. Head, S. Nash, R. Page, J. Velthuis, J. Strube, M. Stanitzki, P. Dauncey, R. Gao, A. Nomerotski, R. Coath, J. Crooks, R. Turchetta, M. Tyndel, S. Worm, Z. Zhang, First radiation hardness results of the TeraPixel Active Calorimeter (TPAC) sensor, JOURNAL OF INSTRUMENTATION, Vol. 8, No. 1, pp. 1-5, Jan, 2013. doi:10.1088/1748-0221/8/01/P01007	M22
15	J. J. Velthuis, D. Cussans, V. Rajović, J. Goldstein, J. A. Wilson, S. D. Worm, R. E. Coath, J. P. Crooks, R. Page, P. D. Dauncey, R. Gao, R. Head, O. D. Miller, S. Nash, A. Nomerotski, T. Price, M. Stanitzki, J. Strube, R. Turchetta, M. Tyndel, N. K. Watson, Z. Zhang, Beam test results of FORTIS, a 4T MAPS sensor with a signal-to-noise ratio exceeding 100, JOURNAL OF INSTRUMENTATION, Vol. 6, No. 12, pp. 1-8, 2011. doi:10.1088/1748-	M21
16	J. A. Ballin, R. Coath, J. P. Crooks, P. D. Dauncey, A-M. Magnan, Y. Mikami, O. D. Miller, M. Noy, V. Rajović, M. Stanitzki, K. D. Stefanov, R. Turchetta, M. Tyndel, E. G. Villani, N. K. Watson, J. A. Wilson, Z. Zhang, Design and performance of a CMOS study sensor for a binary readout electromagnetic calorimeter, JOURNAL OF INSTRUMENTATION, Vol. 6, No. 5, pp. 1-36, 2011. doi:10.1088/1748-0221/6/05/P05009	M21
17	J. A. Ballin, J. P. Crooks, P. D. Dauncey, A.-M. Magnan, Y. Mikami, O. D. Miller, M. Noy, V. Rajovic, M. Stanitzki, K. Stefanov, R. Turchetta, M. Tyndel, E. G. Villani, N. K. Watson, J. A. Wilson, Monolithic Active Pixel Sensors (MAPS) in a Quadruple Well Technology for Nearly 100% Fill Factor and Full CMOS Pixels, SENSORS, Vol. 8, No. 9, pp. 5336-5351, 2008. doi:10.3390/s8095336	M21
18	D. Popović, V. Rajović, M. Zlatanović, Dynamic Voltage-Current Characteristics of Unipolar Pulse Glow Discharge, MATERIALS SCIENCE FORUM, Vol. 494, pp. 315-320, Aug, 2005. doi:10.4028/www.scientific.net/MSF.494.315	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	178	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	3

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Rakić Aleksandar
Teaching position	full professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Specialization				
MSc/MA degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Master's degree				
Bachelor diploma	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher ir

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Modeling and Control of Cable-Suspended Parallel Robots	Ljubinko Kevac	2016	2017
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Y. Zhang, M. Fei, Q. Sun, D. Du, A. Rakić, K. Li, A multi-objective and multi-constraint optimization model for cyber-physical power systems considering renewable energy and electric vehicles, IEEE/CAA Journal of Automatica Sinica, Vol. 10, No. 6, pp. 1498 - 1500, Jun, 2023 doi:10.1109/JAS.2022.106037	M21a+
2	S. Milić, N. Miladinović, A. Rakić, A wayside hotbox system with fuzzy and fault detection algorithms in IIoT environment, CONTROL ENGINEERING PRACTICE, Vol. 104, pp. 104624 - x, Nov, 2020 doi:10.1016/j.conengprac.2020.104624	M21
3	I. Popović, A. Rakić, I. Petruševski, Multi-Agent Real-Time Advanced Metering Infrastructure Based on Fog Computing, ENERGIES, Vol. 15, No. 1, pp. 373 - 396, Jan, 2022 doi:10.3390/en15010373	M22
4	C. Zhang, D. Du, Q. Sun, X. Li, A. Rakić, M. Fei, Security weakness of dynamic watermarking-based detection for generalised replay attacks, INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE, pp. 1 - 19, 2021 doi:10.1080/00207721.2021.1979687	M22

5	Lj. Kevac, M. Filipović, A. Rakić, The trajectory generation algorithm for the cable-suspended parallel robot - The CPR Trajectory Solver, ROBOTICS AND AUTONOMOUS SYSTEMS, Vol. 94, pp. 25 - 33, Aug, 2017 doi:10.1016/j.robot.2017.04.018	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	175	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Rašajski Marija
Teaching position	full professor
Narrow scientific (artistic) field	Applied mathematics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2019.	University of Belgrade - School of Electrical Engineering	Mathematics	Applied mathematics
Doctoral degree	2006.	University of Belgrade - Faculty of Mathematics	Mathematics	Graph theory
Specialization				
MSc/MA degree	1999.	University of Belgrade - Faculty of Mathematics	Mathematics	Differential equations
Master's degree				
Bachelor diploma	1995.	University of Belgrade - Faculty of Mathematics	Mathematics	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teach

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum

O.n.	Reference titles and authors	Category
1	D. Higham, M. Rašajski, N. Pržulj, Fitting a Geometric Graph to a Protein-Protein Interaction Network, BIOINFORMATICS, Vol. 24, No. 8, pp. 1093 - 1099, 2008	M21a
2	V. Stević, M. Rašajski, M. Mitrović-Dankulov, Evolution of Cohesion between USA Financial Sector Companies before, during, and Post-Economic Crisis: Complex Networks Approach, ENTROPY, Vol. 24, No. 7, 2022	M22
3	Marija Rašajski, Tatjana Lutovac, Branko Malešević: About some exponential inequalities related to the sinc function, Journal of Inequalities and Applications, 2018: 150, 1--10	M21
4	B. Malešević, T. Лутовац, M. Рашајски, B. Banjac, Error-Functions in Double-Sided Taylor's Approximations, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, Vol. 14, No. 3, pp. 599 - 613, 2020 doi:10.2298/AADM200114040M	M21
5	B. Malešević, M. Rašajski, T. Lutovac, A Refined estimates and generalizations of inequalities related to the arctangent function and Shafer's inequality, MATHEMATICAL PROBLEMS IN ENGINEERING, Vol. 2018, pp. 1 - 8, 2018 doi:10.1155/2018/4178629	M22

6	Branko Malešević, Tatjana Lutovac, Marija Rašajski, Mortici Cristinel: Extensions of the natural approach to refinements and generalizations of some trigonometric inequalities, Advances in Difference Equations, 2018:90 (2018), 1-15	M21
7	Y. J. Bagul, C. Chesneau, M. Kostić, T. Lutovac, B. Malešević, M. Rašajski: Convexity and double-sided Taylor's approximations, Hacettepe Journal of Mathematics and Statistics 52(1), 560-571, (2023) DOI: 10.15672/hujms.1096357	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	440	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	18	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Ristić Leposava
Teaching position	associate professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Specialization				
MSc/MA degree	2000.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Master's degree				
Bachelor diploma	1990.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Control Algorithm of Brushless Doubly-Fed Reluctance Generator under Unbalanced Grid Voltage Conditions	Taufik Taluo	2022	2023
2	Predictive control of modular multilevel converters	Milovan Majstorović	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	L. Stanić, M. Bebić, L. Ristić and M. Rivera, "Dual Direct Matrix Converter-Based Drives With Enhanced Input Power Factor Control and Common-Mode Voltage Elimination," in IEEE Transactions on Industrial Electronics, November, 2025, doi: 10.1109/TIE.2025.3603042.	M21a
2	T. Taluo, L. Ristić, M. Agha-Kashkooli, M. Jovanović, Hardware-in-the-loop testing of brushless doubly fed reluctance generator under unbalanced grid voltage conditions, International Journal of Electrical Power & Energy Systems, Vol. 158, No. 109940, pp. 1 - 11, Jul, 2024	M21
3	M. Majstorović, V. Nougain, L. Ristić, A. Lekić, Deadbeat-based control for MMC-HVDC power systems, International Journal of Electrical Power & Energy Systems, Vol. 167, Jun, 2025	M21
4	Bogdan Mihailo Brkovic, Leposava Bratimir Ristic, Mladen Vlajko Terzic, Ana V Stankovic, Zoran Mileta Lazarevic, Magnetizing Inductance Determination in a Six-phase Induction Machine, IEEE TRANSACTIONS ON ENERGY CONVERSION, pp. 1 - 12, Nov, 2018 doi:10.1109/TEC.2018.2881763	M21

5	L. Ristić, B. Jeftenić, Implementation of Fuzzy Control to Improve Energy Efficiency of Variable Speed Bulk Material Transportation, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Vol. 59, No. 7, pp. 2959 - 2969, Jul, 2012 doi:10.1109/TIE.2011.2169639	M21a
6	H. Hussain, J. Lončarski, L. Ristić, A. Bellini, DFIG-based WECS with Partial-Scale Converter: Efficiency, Cost and Volume Comparison of SiC-based and IGBT-based Converter Solution, IEEE ACCESS, Vol. Volume 12, pp. 89908 - 89920, Jun, 2024 doi:10.1109/ACCESS.2024.3419810	M21
7	Milorad Pantelić, Predrag Jovančić, Leposava Ristić, Milan Bebić, "Concrete base influence on the increased vibrations level of the mill drive system elements - a case study", ENGINEERING FAILURE ANALYSIS, Vol. 106, pp. 1 - 10, Dec, 2019, doi.org/10.1016/j.engfailanal.2019.104178	M21
8	S. Vukojičić, L. Ristić, G. Kvaščev, "Industrial Application of Neural Network-Optimized Model Predictive Control for a Two Mass Resonant Mechanical System", ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), 2025, doi.org/10.1007/s00202-025-	M22
9	Luka Stanić, Leposava Ristić, Milan Bebić, Marco Rivera, "Improvement of two grid power factor control methods for matrix converter open-end-winding drive with common-mode voltage elimination supplied by unbalanced grid", IET POWER ELECTRONICS, pp. 1 - 16, Oct, 2022, doi.org/10.1049/pel2.12411	M22
10	M. Majstorovic, M. Rivera, L. Ristić, P. Wheeler, "Comparative Study of Classical and MPC Control for Single-Phase MMC Based on V-HIL Simulations", ENERGIES, Vol. 14, No. 11, pp. 1 - 17, May, 2021, doi.org/10.3390/en14113230	M22
11	Lončarski, V. Monopoli, R. Leuzzi, L. Ristić, F. Cuperttino, "Analytical and Simulation Fair Comparison of Three Level Si IGBT Based NPC Topologies and Two Level SiC MOSFET Based Topology for High Speed Drives", ENERGIES, Vol. 12, No. 23, pp. 1 - 16, Nov, 2019, doi.org/10.3390/en12234571	M22
12	T. Taluo, L. Ristić, M. Jovanovic, "Dynamic Modeling and Control of BDFRG under Unbalanced Grid Conditions", ENERGIES, Vol. 14, No. 14, pp. 1 - 22, Jul, 2021, doi.org/10.3390/ en14144297	M22
13	M. Bebić, L. Ristić, "Speed Controlled Belt Conveyors: Drives and Mechanical Considerations", ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Vol. 18, No. 1, pp. 51 - 60, Feb, 2018, doi.org/10.4316/AECE.2018.01007	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	248	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	14	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Member of Editorial board of "Electrical Engineering" journal (Archiv für Elektrotechnik)

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Saranovac Lazar
Teaching position	full professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics
Specialization				
MSc/MA degree	1993.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics
Master's degree				
Bachelor diploma	1987.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Reconstruction of Vehicle Trajectory in Crash by Integrating Satellite and Inertial Navigation	Srđan Tadić	2016	2017
2	High frequency noise approximation and adaptive reduction in the ECG signals	Mohamed Marouf	2017	2018
3	Local tone mapping operator for detail preserving reproduction of high dynamic range images	Dragomir El Mezeni	2017	2018
4	Power amplifiers in class a with simultaneous conjugate and large signal power matching at the output port	Milenko Milićević	2018	2019
5	Frequency synthesizer for integrated FMCW radar sensors in the millimeter-wave band	Ivan Milosavljević	2019	2020
6	Energy neutral solar powered wireless sensor nodes	Strahinja Janković	2019	2020
7	Flexible encoder and decoder of low density parity check codes	Vladimir Petrović	2020	2021
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Milićević, B. Milinković, D. Grujić, L. Saranovac, Power and Conjugately Matched High Band UWB Power Amplifier, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Vol. 65, No. 10, pp. 3138 - 3149, Mar, 2018	M21
2	S. Tadić, R. Stančić, L. Saranovac, P. Ivaniš, Vehicle Collision Reconstruction With 3-D Inertial Navigation and GNSS, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. 66, No. 1, pp. 14 - 23, Jan, 2017	M21
3	M. Marouf, L. Saranovac, G. Vukomanović, Algorithm for EMG noise level approximation in ECG signals, BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Vol. 34, pp. 158 - 165, Apr, 2017	M21
4	V.Petrovic, M. Markovic, D. EL Mezeni, L. Saranovac, A. Radosevic “Flexible High Throughput QC-LDPC Decoder with Perfect Pipeline Conflicts Resolution and Efficient Hardware Utilization” IEEE Transactions on Circuits and Systems—I: Regular papers, (ISSN: 1549-8328) Volume 67, No.12, December 2020, pp. 5454-5467, DOI: 10.1109/TCSI.2020.3018048	M21

5	D. El Mezeni, L. Saranovac, Enhanced local tone mapping for detail preserving reproduction of high dynamic range images, JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, Vol. 53, pp. 122 - 133, May, 2018	M21
6	D. N. Grujić, L. Saranovac, "Multi-angle Constant Multiplier Givens Rotation Algorithm", Circuits, Systems, and Signal Processing (ISSN: 0278-081X), Vol. 38, No. 9, pp. 4229-4244, September 2019, https://doi.org/10.1007/s00034-019-01060-x, (IF: 1.681)	M22
7	D. El Mezeni, L. Saranovac, "Fast guided filter for power-efficient real-time 1080p streaming video processing", Journal of Real-Time Image Processing (ISSN: 1861-8200), 2018, https://doi.org/10.1007/s11554-018-0802-z	M22
8	L. Saranovac, N. Vučijak, "Evaluation of uncertainty of phase difference determination in presence of bias", Metrology and measurement systems (ISSN: 0860-8229), Volume 23, Issue 4, 2016, pp. 603-614, DOI: 10.1515/mms-2016-0047	M22
9	Dušan P. Krčum, Đorđe P. Glavonjić, Veljko R. Mihajlović, Lazar V. Saranovac, Vladimir M. Milovanović & Ivan M. Milosavljević, "A fully integrated 2TX–4RX 60-GHz FMCW radar transceiver for short-range applications", International Journal of Electronics (ISSN: 0020-7217), Volume 110, No.4, pp. 708-733, February 2023, DOI: 10.1080/00207217.2022.2062793 (IF: 1.457)	M23
10	18.S. Janković, L. Saranovac, "Prediction of Harvested Energy for Wireless Sensor Node", Elektronika ir elektrotechnika (ISSN: 1392-1215), Volume 26, No. 1, pp. 23-31, February 2020, DOI: 10.5755/j01.eie.26.1.23807	M23
11	D. El Mezeni, L. Saranovac, "Temporal adaptation control for local tone mapping operator", Journal of Electrical Engineering (ISSN: 1335-3632), Volume 69, Issue 4, pp. 261–269, DOI: 10.2478/jee-2018–0037	M23
12	M. Marouf, G. Vukomanović, L. Saranovac, M. Božić, "Multi-purpose ECG telemetry system", Biomedical Engineering Online (ISSN: 1475-925X), Volume 16, Issue 1, 19 June 2017, Article number 80, DOI: 10.1186/s12938-017-0371-6	M23
13	I.Milosavljević, Đ. Glavonjić, D. Krčum, L.Saranovac, V.Milovanović, "A highly linear and fully-integrated FMCW synthesizer for 60 GHz radar applications with 7 GHz bandwidth", Analog Integrated Circuits and Signal Processing (ISSN: 0925-1030), Volume 90, Issue 3, 1 March 2017, pp. 591-604, DOI: 10.1007/s10470-016-0910-2	M23
14	I. Milosavljević, D. Krčum, L. Saranovac, "Design and analysis of differential passive circuits for I/Q generation in 60 GHz integrated circuits", Informacije MIDEM, Journal of Microelectronics, Electronic Components and Materials (ISSN: 0352-9045), Volume 46, Issue 3, 2016, pp. 120-129	M23
15	M. Milićević, B. Milinković, Đ. Simić, D. Grujić , L. Saranovac, "Temperature and process compensated RF power detector", Informacije MIDEM, Journal of Microelectronics, Electronic Components and Materials (ISSN: 0352-9045), Volume 46, Issue 1, 2016, pp. 24-28	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	328	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	26	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Savić Aleksandar
Teaching position	associate professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Doctoral degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Specialization				
MSc/MA degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Master's degree				
Bachelor diploma	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	A. Savić, B. Trivić, Optimal Allocation and Sizing of BESS in a Distribution Network with High PV Production Using NSGA-II and LP Optimization Methods, ENERGIES, Vol. 18, 2025. doi:10.3390/en18051076	M22
2	V. Durković, A. Savić, ATC enhancement using TCSC device regarding uncertainty of realization one of two simultaneous transactions, International Journal of Electrical Power & Energy Systems, Vol. 115, pp. 1-8, Feb, 2020. doi:10.1016/j.ijepes.2019.105497	M21a
3	D. Kotur, Ž. Đurišić, A. Savić, Spatial and temporal demand side management for optimal power transmission through power system with dispersed PV and wind power plants, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 175, pp. 1-13, Oct, 2019. doi:10.1016/j.epsr.2019.105888	M21a

4	M. Jannat, A. Savić, Optimal capacitor placement in distribution networks regarding uncertainty in active power load and distributed generation units production, IET GENERATION, TRANSMISSION AND DISTRIBUTION, Vol. 10, No. 12, pp. 3060-3067, Aug, 2016. doi:10.1049/iet-gtd.2016.0192	M22
5	P. Stefanov, A. Savić, G. Dobrić, Development and Operational Planning of Power Systems by Comparing Scenarios during Multi-Objective Optimization, ACTA PHYSICA POLONICA A, pp. 138-142, Aug, 2015. doi:10.12693/APhysPolA.128.B-138	M23
6	A. Savić, Ž. Đurišić, Optimal sizing and location of SVC devices for improvement of voltage profile in distribution network with dispersed photovoltaic and wind power plants, APPLIED ENERGY, pp. 114-124, 2014.	M21a
7	A. Savić, P. Stefanov, New Method for Optimal Location and Parameters Setting of UPFC Devices Using Multi-Criteria Optimization, INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING / IREE, Vol. 7, No. 4, pp. 5051-5060, Aug, 2012.	M22
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	140	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	7	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Savić Goran
Teaching position	associate professor
Narrow scientific (artistic) field	Electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Doctoral degree	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Specialization				
MSc/MA degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electronics
Master's degree				
Bachelor diploma	2002.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Terminal for remote control of hybrid electric vehicle charging stations	Jovan Vujasinović	2023	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	J. Vujasinović, G. Savić, I. Batas Bijelić, Ž. Despotović, Architecture and Sizing of Systems for the Remote Control of Sustainable Energy-Independent Stations for Electric Vehicle Charging Powered by Renewable Energy Sources, Sustainability, 2025	M22
2	Jovan Vujasinović, Goran Savić, Milan Prokin, Model-Driven Developed Terminal for Remote Control of Charging Station for Electric Vehicles Powered by Renewable Energy, Electronics Vol. 12, No. 8, pp. 1 - 24, Apr, 2023	M22
3	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Digital Image Decoder for Efficient Hardware Implementation, SENSORS, Vol. 22, No. 23, pp. 1 - 26, Dec, 2022	M21
4	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Memory Efficient Hardware Architecture for 5/3 Lifting-Based 2-D Forward Discrete Wavelet Transform, MICROPROCESSORS AND MICROSYSTEMS, Vol. 87, No. 104176, pp. 1 - 12, Nov, 2021	M21

5	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Novel one-dimensional and two-dimensional forward discrete wavelet transform 5/3 filter architectures for efficient hardware implementation, JOURNAL OF REAL-TIME IMAGE PROCESSING, Vol. 16, No. 5, pp. 1459 - 1478, Oct, 2019	M22
6	Goran Savić, Vladimir Rajović, Novel Memory Efficient Hardware Architecture for 5/3 Lifting-Based 2D Inverse DWT, JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS, Vol. 28, No. 7, pp. 1950118-1 - 1950118-33, Jun, 2019	M23
7	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, Efficient one-dimensional forward and inverse discrete wavelet transformers, MICROPROCESSORS AND MICROSYSTEMS, Vol. 63, pp. 28 - 35, Nov, 2018	M22
8	Goran Savić, Milan Prokin, Vladimir Rajović, Dragana Prokin, High-performance 1-D and 2-D inverse DWT 5/3 filter architectures for efficient hardware implementation, CIRCUITS, SYSTEMS, AND SIGNAL PROCESSING, Vol. 36, No. 9, pp. 3674 - 3701, Sep, 2017	M22
9	Vladimir Rajović, Goran Savić, Vladimir Čeperković, Milan Prokin, Combined one-dimensional lowpass and highpass filters for subband transformer, ELECTRONICS LETTERS, Vol. 49, No. 18, pp. 1150 - 1152, Aug, 2013	M22
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	25	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	9	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Savić Slobodan
Teaching position	associate professor
Narrow scientific (artistic) field	Electromagnetism, antennas and microwaves

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetism, antennas and microwaves
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Specialization				
MSc/MA degree				
Master's degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Bachelor diploma	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Solving One-Dimensional Electromagnetic Problems in Special Relativity Using the Finite Element Method	Pavle Petrović	2025	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	N. Obradović et al., 'Formation kinetics and cation inversion in mechanically activated MgAl2O4 spinel ceramics', Journal of Thermal Analysis and Calorimetry, vol. 140, no. 1, pp. 95–107, Sept. 2019, doi: 10.1007/s10973-019-08846-w.	M21a
2	A. Ž. Ilić, J. Z. Trajković, S. V. Savić, and M. M. Ilić, 'Investigation of the OAM EM wave tissue irradiation at millimeter-wave frequencies', Applied Radiation and Isotopes, vol. 207, no. 111261, pp. 1–8, May 2024, doi: 10.1016/j.apradiso.2024.111261.	M21
3	A. Ž. Ilić, J. Z. Trajković, S. V. Savić, and M. M. Ilić, 'Near-field formation of the UCA-based OAM EM fields and short-range EM power flux profiles', Journal of Physics A: Mathematical and Theoretical, vol. 56, no. 25, pp. 1–19, May 2023, doi: 10.1088/1751-8121/acd5bf.	M21
4	A. Z. Golubović, S. V. Savić, A. Ž. Ilić, and M. M. Ilić, 'Short-range transmission using OAM-carrying waves generated by uniform circular arrays', International Journal of Electronics and Communications, vol. 165, no. 154643, pp. 1–9, Apr. 2023, doi: 10.1016/j.aeue.2023.154643.	M21

5	S. V. Savić, M. M. Ilić, and B. M. Kolundzija, 'Maximally Orthogonalized Higher Order Basis Functions in Large-Domain Finite Element Modeling in Electromagnetics', IEEE Transactions on Antennas and Propagation, vol. 68, no. 8, pp. 6455–6460, Aug. 2020, doi: 10.1109/TAP.2020.2970038.	M21
6	A. Ž. Ilić, N. M. Vojnović, S. V. Savić, E. Grass, and M. M. Ilić, 'Optimized planar printed UCA configurations for OAM waves and the associated OAM mode content at the receiver', International Journal of Communication Systems, vol. e5623, pp. 1–18, Sept. 2023, doi: 10.1002/dac.5623.	M22
7	S. V. Savić, M. M. Ilić, and A. R. Djordjević, 'Design of Internal Wire-Based Impedance Matching of Helical Antennas Using an Equivalent Thin-Wire Model', International Journal of Antennas and Propagation, vol. 2017, pp. 1–5, Dec. 2017, doi: 10.1155/2017/7365793.	M22
8	N. M. Vojnović, S. V. Savić, M. M. Ilić, and A. Ž. Ilić, 'Performance Analysis of Low-Cost Printed Antenna Array Elements for 5G LOS-MIMO Arrays at 60 GHz', Wireless Personal Communications, pp. 1–18, Dec. 2019, doi: 10.1007/s11277-019-07007-4.	M23
9	B. A. Troksa, C. L. Key, F. B. Kunkel, S. V. Savić, M. M. Ilić, and B. M. Notaroš, 'Ray Tracing Using Shooting-Bouncing Technique to Model Mine Tunnels: Theory and Verification for a PEC Waveguide', Applied Computational Electromagnetics Society Journal, vol. 34, no. 2, pp. 224–225, Feb. 2019.	M23
10	S. V. Savić et al., 'Analytic solutions of electromagnetic fields in inhomogeneous media', International Journal of Electrical Engineering Education, vol. 52, no. 2, pp. 131–141, Mar. 2015, doi: 10.1177/0020720915571799.	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	113	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	13	Number of international projects in which the teacher is currently participating	2

Professional training
2017 Colorado State University, Fort Collins, CO, USA

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Šekara Tomislav
Teaching position	full professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2017.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Specialization				
MSc/MA degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics
Master's degree				
Bachelor diploma	1992.	University of Sarajevo - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defendin
1	Design and analysis of sensor system for vibration measurments in civil engineering	Miodrag Malović	2013	2015
2	Modern methods for design of conventional industrial controllers under constraints on robustness	Marko Bošković	2019	2021
3	Design and implementation of control electronics and voltage regulators for synchronous generators excitation systems	Slavko Veinović	2023	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. R. Rapaić, T. B. Šekara, and M. Č. Bošković, “Frequency-Distributed Representation of Irrational Linear Systems,” Fractional Calculus and Applied Analysis, vol. 21, no. 5, pp. 1396–1419, Oct. 2018, doi: 10.1515/fca-2018-0073.	M21a+
2	Đ. M. Stojić and T. B. Šekara, “A new digital resonant current controller for AC power converters based on the advanced Z-transform,” ISA Transactions, vol. 129, pp. 535–545, Feb. 2022, doi: 10.1016/j.isatra.2022.02.008.	M21a+
3	M. R. Rapaić, Z. D. Jeličić, T. B. Šekara, R. Malti, V. Turkulov, and M. N. Radović, “Revisiting distributed order PID controller,” Fractional Calculus and Applied Analysis, vol. 28, no. 2, pp. 505–528, Feb. 2025, doi: 10.1007/s13540-025-00381-w.	M21a+
4	T. B. Šekara and M. R. Rapaić, “A revision of root locus method with applications,” Journal of Process Control, vol. 34, pp. 26–34, Oct. 2015, doi: 10.1016/j.jprocont.2015.07.007.	M21a
5	P. D. Mandić, T. B. Šekara, M. P. Lazarević, and M. Bošković, “Dominant pole placement with fractional order PID controllers: D-decomposition approach,” ISA Transactions, vol. 67, pp. 76–86, Mar. 2017, doi: 10.1016/j.isatra.2016.11.013.	M21a
6	M. M. Ponjavić and T. B. Šekara, "Singularity Excitations and Initial Value Problem in Continuous LTI Systems," in IEEE Access, vol. 8, pp. 176750-176757, 2020, doi: 10.1109/ACCESS.2020.3023334.	M21a
7	M. Č. Bošković, T. B. Šekara, and M. R. Rapaić, “Novel tuning rules for PIDC and PID load frequency controllers considering robustness and sensitivity to measurement noise,” International Journal of Electrical Power & Energy Systems, vol. 114, p. 105416, Jan. 2020, doi: 10.1016/j.ijepes.2019.105416.	M21a

8	Đ. M. Stojić and T. B. Šekara, "Digital Resonant Current Controller for LCL-Filtered Inverter Based on Modified Current Sampling and Delay Modeling," in IEEE Journal of Emerging and Selected Topics in Power Electronics, vol. 10, no. 6, pp. 7109-7119, Dec. 2022, doi: 10.1109/JESTPE.2022.3190285.	M21a
9	J. Mikulović, T. Šekara, and M. Forcan, “Power definitions for three-phase systems in terms of instantaneous symmetrical components,” International Journal of Electrical Power & Energy Systems, vol. 147, p. 108808, Dec. 2022, doi: 10.1016/j.ijepes.2022.108808.	M21a
10	Mitar Simić, T. J. Freeborn, T. B. Šekara, A. K. Stavrakis, Varun Jeoti, and G. M. Stojanović, “A novel method for in-situ extracting bio-impedance model parameters optimized for embedded hardware,” Scientific reports, vol. 13, no. 1, Mar. 2023, doi: 10.1038/s41598-023-31860-w.	M21a
11	M. Č. Bošković, T. B. Šekara, D. M. Stojić, and M. R. Rapaić, “Novel tuning rules for PIDC controllers in automatic voltage regulation systems under constraints on robustness and sensitivity to measurement noise,” International Journal of Electrical Power & Energy Systems, vol. 157, pp. 109791–109791, Jan. 2024, doi: 10.1016/j.ijepes.2024.109791.	M21a
12	N. Miljković, N. Popović, O. Djordjević, L. Konstantinović, and T. B. Šekara, “ECG artifact cancellation in surface EMG signals by fractional order calculus application,” Computer Methods and Programs in Biomedicine, vol. 140, pp. 259–264, Mar. 2017, doi: 10.1016/j.cmpb.2016.12.017.	M21
13	B. Škrbić, J. Mikulović, and T. Šekara, “Extension of the CPC power theory to four-wire power systems with non-sinusoidal and unbalanced voltages,” International Journal of Electrical Power & Energy Systems, vol. 105, pp. 341–350, Feb. 2019, doi: 10.1016/j.ijepes.2018.08.032.	M21
14	M. Vekić, M. R. Rapaić, T. B. Šekara, S. Grabić, and E. Adžić, “Multi – Resonant observer PLL with real-time estimation of grid unbalances,” International Journal of Electrical Power & Energy Systems, vol. 108, pp. 52–60, Jun. 2019, doi: 10.1016/j.ijepes.2018.12.034.	M21
15	Branko Lukić, Kosta Jovanović, and T. B. Šekara, “Cascade Control of Antagonistic VSA—An Engineering Control Approach to a Bioinspired Robot Actuator,” Frontiers in neurorobotics, vol. 13, Sep. 2019, doi: 10.3389/fnbot.2019.00069.	M21
16	Đ. M. Stojić, T. B. Šekara, Tomasz Tarczewski, and Lukasz Jan Niewiara, “Single-phase PWM rectifier based on novel applications of LLCL filter and multi-rate cascaded controller for decoupled parameter tuning,” Electric Power Systems Research, vol. 248, pp.	M21
17	B. B. Jakovljević, T. B. Šekara, M. R. Rapaić, and Z. D. Jeličić, “On the distributed order PID controller,” AEU - International Journal of Electronics and Communications, vol. 79, pp. 94–101, Sep. 2017, doi: 10.1016/j.aeue.2017.05.036.	M22
18	P. D. Mandić, M. Č. Bošković, T. B. Šekara, and M. P. Lazarević, “A new optimisation method of PIDC controller under constraints on robustness and sensitivity to measurement noise using amplitude optimum principle,” International Journal of Control, vol. 97, no. 1, pp.	M22
19	D. M. Stojić and T. B. Šekara, “New robust resonant current controller design for grid-tied inverters with LLCL filters,” Journal of Power Electronics, Feb. 2025, doi: 10.1007/s43236-025-01005-5.	M22
20	D. M. Stojić and T. B. Šekara, “Multi-resonant current controller for grid-tied inverters with LCL filters based on pole placement under robustness constraints,” Journal of Power Electronics, Feb. 2025, doi: 10.1007/s43236-025-01016-2.	M22

Collective data of scientific teacher activities			
Total number of citations, without auto-citations	572	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	38	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Simić Pejović Mirjana
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Specialization				
MSc/MA degree	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications
Master's degree				
Bachelor diploma	1998.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Telecommunications

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past 10 years

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Spectrum sensing optimization based on energy detector cognitive radio	Rade Božović	2017	2019
2	PASSIVE LOCALIZATION MODEL IN WIRELESS SENSOR NETWORKS BASED ON ADAPTIVE HYBRID HEURISTIC ALGORITHMS	Maja Rosić	2020	2021
3	CUSTOMER CHURN PREDICTION IN MOBILE TELECOMMUNICATION NETWORKS APPLYING UNSUPERVISED MACHINE LEARNING	Stefan Kostić	2020	2021
4	HIGH-RESOLUTION PRIMARY SIGNAL PROCESSING IN HIGH FREQUENCY OVER-THE-HORIZON RADARS	Dragan Golubović	2022	2023
5	Cellular positioning in complex propagation conditions applying an enhanced particle swarm optimization method	Stevo Lukić	2024	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	M. Rosić, M. Sedak, M. Simić, P. Pejović, An Improved Chaos Driven Hybrid Differential Evolutionand Butterfly Optimization Algorithm for Passive Target Localization Using TDOA Measurements, Applied Sciences, Vol. 13, No. 2, pp. 1 - 38, Jan, 2023	M21
2	D. Šuka, M. Simić-Pejović, P. Pejović, On the Assessment of Exposure from LTE 800-MHz Downlink Frequency Band Through the Time-Averaged and Integral-Based Measure, RADIATION PROTECTION DOSIMETRY, Vol. 198, No. 8, pp. 454 - 466, May, 2022	M22
3	S. Lukić, M. Simić, Cellular Positioning in an NLOS Environment Applying the COPSO-TVAC Algorithm, Electronics , Vol. 11, No. 15, pp. 1 - 27, Jul, 2022	M22

4	M. Rosić, M. Sedak, M. Simić, P. Pejović, Chaos-Enhanced Adaptive Hybrid Butterfly Particle Swarm Optimization Algorithm for Passive Target Localization, SENSORS, Vol. 22, No. 15, pp. 1 - 36, Jul, 2022	M21
5	M. Rosić, M. Simić, P. Pejović, An improved adaptive hybrid firefly differential evolution algorithm for passive target localization, SOFT COMPUTING - A FUSION OF FOUNDATIONS, METHODOLOGIES AND APPLICATIONS, pp. 1 - 25, Jan, 2021	M22
6	S. Kostić, M. Simić, M. Kostić, Social Network Analysis and Churn Prediction in Telecommunications Using Graph Theory, ENTROPY, Vol. 22, No. 7, pp. 1 - 23, Jul, 2020	M22
7	M. Rosić, M. Simić, P. Pejović, Passive Target Localization Problem Based on Improved Hybrid Adaptive Differential Evolution and Nelder-Mead Algorithm, Journal of Sensors, Vol. 2020, pp. 1 - 20, Feb, 2020	M22
8	D. Šuka, P. Pejović, M. Simić Pejović, Characterization of Exposure to Electromagnetic Emissions from Public Mobile Systems Using the Time-Averaged and Integral-Based Measure, RADIATION PROTECTION DOSIMETRY, Vol. 190, No. 2, pp. 226 - 236, Jun, 2020	M22
9	G. Betta, D. Capriglione, G. Cerro, G. Miele, M. Salone D'Amata, D. Šuka, P. Pejović, M. Simić-Pejović, On the Measurement of Human Exposure to Cellular Networks, IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE, Vol. 23, No. 9, pp. 5 - 13, Dec, 2020	M22
10	D. Šuka, P. Pejović, M. Simić Pejović, Application of time-averaged and integral-based measure for measurement results variability reduction in GSM/DCS/UMTS systems, RADIATION PROTECTION DOSIMETRY, Vol. 187, No. 2, pp. 191 - 214, Jul, 2019	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	240	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	19	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Smiljanić Aleksandra
Teaching position	full professor
Narrow scientific (artistic) field	Telecommunications

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Telecommunications
Doctoral degree	1999.	Princeton University, USA	Electrical Engineering	
Specialization				
MSc/MA degree				
Master's degree				
Bachelor diploma	1993.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics and Telecommunications

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	OPTIMIZATION OF NON-BLOCKING PACKET NETWORKS USING THE PRACTICAL ROUTING PROTOCOL WITH LOAD BALANCING	Marija Antić	2010	2015
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Весовић, A. Smiljanić, Д. Костић, Fast and scalable routing protocols for data center networks, Digital Communications and Networks, pp. 1 - 13, Jun, 2022	M21a
2	X. Рељовић, A. Smiljanić, M. Весовић, Implementation and Performance Comparison of High-Capacity Software Routers, COMPUTER NETWORKS-THE INTERNATIONAL JOURNAL OF COMPUTER AND TELECOMMUNICATI, pp. 75 - 85, Dec, 2020	M21
3	S. Janković, A. Smiljanić, M. Vesović, H. Redžović, M. Bežulj, A. Radošević, S. Moro, High-capacity FPGA Router for Satellite Backbone Network, IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, Vol. 56, No. 4, pp. 2616 - 2627, Aug, 2020 doi:10.1109/TAES.2019.2951187	M21a
4	A. Smiljanić, L. Đukanović, “Artificial Intelligence and Medicine” – joint symposium of the Academy of Engineering Sciences of Serbia and the Academy of Medical Sciences of the Serbian Medical Society, SRPSKI ARHIV ZA CELOKUPNO LEKARSTVO, 2024.	M23
5	H. Redžović, M. Vesović, A. Smiljanić, M. Bjelica, Energy-efficient network processing based on netmap framework, ELECTRONICS LETTERS, Vol. 53, No. 6, pp. 407-409, Mar, 2017. doi:10.1049/el.2016.3815	M22

6	N. Maksić, A. Смиљанић, Improving Utilization of Data Center Networks, IEEE COMMUNICATIONS MAGAZINE, pp. 32 - 38, Nov, 2013 doi:10.1109/MCOM.2013.6658649	M21a
7	M. Antić, N. Maksić, P. Knežević, A. Smiljanić, Two Phase Load Balanced Routing using OSPF, IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, pp. 515 - 524, Jan, 2010	M21a
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	424/1168 (Scopus/ GS)	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	25	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Šošić Darko
Teaching position	associate professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Doctoral degree	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Specialization				
MSc/MA degree				
Master's degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Bachelor diploma	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher ir

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Methods of optimal transmission grid development with the application of georeferencing	Vladan Ristić	2021	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	V. Ristić, D. Šošić, Multicriteria transmission expansion planning based on differential evolution and georeferencing – Case study Serbia, International Journal of Electrical Power & Energy Systems, Vol. 135, pp. 107593 - 107593, Feb, 2022 doi:10.1016/j.ijepes.2021.107593	M21
2	B. Stojanović, T. Rajić, D. Šošić, Distribution network reconfiguration and reactive power compensation using a hybrid Simulated Annealing–Minimum spanning tree algorithm, International Journal of Electrical Power & Energy Systems, Vol. 147, pp. 1 - 14, May, 2023	M21
3	Sonja Knežević, D. Šošić, Isolated Work of a Multi-Energy Carrier Microgrid, ENERGIES, Vol. 17, No. 12, Jun, 2024 doi:10.3390/en17122948	M22
4	Ristić V., Šošić D.: “Novel DE-based Optimization Technique for the Renewable Sources' Integration”, Comptes rendus de l academie Bulgare des sciences, Vol. 75, No. 11, pp. 1663–1671, Nov. 2022, ISSN 2367–5535	M23
5	Šošić D., Stefanov P.: “Reconfiguration of distribution system with distributed generation using an adaptive loop approach”, Journal of Electrical Engineering-Elektrotechnicky Casopis, Vol. 70, No. 5, pp. 345–357, 2019, ISSN 1335 – 3632, doi: 10.2478/jee-2019-0066.	M23

6	Šošić D., Stefanov P.: “Multi-objective optimal reconfiguration of distribution network”, Journal of Electrical Engineering-Elektrotechnicky Casopis, Vol. 69, No. 2, pp. 128–137, May 2018, ISSN 1335 – 3632, doi: 10.2478/jee-2018-0016.	M23
7	D. Šošić, M. Žarković, G. Dobrić, Fuzzy-based Monte Carlo simulation for harmonic load flow in distribution networks, IET GENERATION, TRANSMISSION AND DISTRIBUTION, Vol. 9, No. 3, pp. 267 - 275, Feb, 2015 doi:10.1049/iet-gtd.2014.0138	M22
8	M. Žarković, D. Šošić, G. Dobrić, Fuzzy based prediction of wind distributed generation impact on distribution network: Case study—Banat region, Serbia, JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, Vol. 6, No. 1, pp. 013120 - 013120, Jan, 2014 doi:10.1063/1.4862988	M23
9	Šošić D., Škokljev I.: “Evolutionary algorithm for calculating available transfer capability”, Journal of Electrical Engineering-Elektrotehnicky Casopis, Vol. 64, No. 5, pp. 291–297, September 2013, ISSN 1335-3632, doi: 10.2478/jee-2013-0042.	M23
10	Šošić D., Škokljev I.: “A software tool for available transfer capability teaching purposes”, International Journal of Electrical Engineering Education, Vol. 50, No. 1, pp 96–109, January 2013, ISSN 0020-7209	M23
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	147	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stanisavljević Žarko
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree				
Master's degree	2008	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Bachelor diploma	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	Ogrizović M., Vuletić P., Stanisavljević Ž., "Advanced Network and System Security Teaching", Electronics, ISSN 2079-9292, Vol. 14, No. 1, pp. 1-23, Jan 2025, (IF(2023): 2.6, M22), doi: 10.3390/electronics14010003	M22
2	Miladinović D., Milaković A., Vukasović M., Stanisavljević Ž., Vuletić P., "Secure Multiparty Computation Using Secure Virtual Machines", Electronics, ISSN 2079-9292, Vol. 13, No. 5, pp. 1-25, Mar 2024, (IF(2023): 2.6, M22), doi: 10.3390/electronics13050991	M22
3	Rajić B., Stanisavljević Ž., Vuletić P., "Early Web Application Attack Detection Using Network Traffic Analysis", International Journal of Information Security, ISSN 1615-5262, Vol. 22, No. 1, pp. 77-91, Feb 2023, (IF(2023): 2.4, M22), doi: 10.1007/s10207-022-00627-1	M22
4	Nikolic S., Suesse T., Jovanović K., Stanisavljević Ž., "Laboratory Learning Objectives Measurement Relationships Between Student Evaluation Scores and Perceived Learning," IEEE Transactions on Education, ISSN 0018-9359, Vol. 64, No. 2 pp. 163-171, May 2021, (IF(2021): 2.74, M22), doi: 10.1109/TE2020.3022666	M22

5	Z. Radivojevic, Z. Stanisavljevic, M. Punt, Configurable simulator for computer architecture and organization, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 26, No. 5, pp. 1711-1724, Sep, 2018.	M22
6	Z. Stanisavljevic, P. Vuletic, Adding practical experience to computer security course, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 26, No. 2, pp. 384-392, Mar, 2018.	M22
7	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, A Systematic Approach to Generation of New Ideas for PhD Research in Computing, ADVANCES IN COMPUTERS, Vol. 104, pp. 1-31, Feb, 2017.	M22
8	D. Draskovic, M. Misic, Z. Stanisavljevic, Transition from traditional to LMS supported examining: A case study in computer engineering, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 24, No. 5, pp. 775-786, Sep, 2016.	M22
9	Zarko Stanisavljevic, Bosko Nikolic, Igor Tartalja, Veljko Milutinovic, A classification of eLearning tools based on the applied multimedia, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 74, No. 11, pp. 3843-3880, Jun, 2015.	M21
10	Z. Stanisavljevic, J. Stanisavljevic, P. Vuletic, Z. Jovanovic, COALA - System for Visual Representation of Cryptography Algorithms, IEEE TRANSACTIONS ON LEARNING TECHNOLOGIES, Vol. 7, No. 2, pp. 178-190, Jun, 2014.	M21
11	Z. Stanisavljevic, V. Pavlovic, B. Nikolic, J. Djordjevic, SDLDS—System for Digital Logic Design and Simulation, IEEE TRANSACTIONS ON EDUCATION, Vol. 56, No. 2, pp. 235-245, May, 2013.	M22
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	209	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	11	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stanković Koviljka
Teaching position	associate professor
Narrow scientific (artistic) field	Nuclear technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Nuclear technology
Doctoral degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Nuclear technology
Specialization				
MSc/MA degree				
Master's degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Bachelor diploma	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Testing of active electronic dosimeters for the purpose of harmonizing the measurement of operational dosimetric quantities in radiation protection	Nikola Kržanović	2019	2020
2	Physical and functional effects of an electronegative gas in a three-component working-gas mixture for ionizing-radiation detection using a Geiger–Müller counter	Luka Perazić	2019	2020
3	Response of thermoluminescent and optically stimulated luminescent passive personal dosimetry systems in real poly-energetic and multidirectional photon radiation fields	Filip Haralambos Apostokakopoulus	2019	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	S. Gjorgievska, H. Kochankovski, K. Stankovic, L. Barandovski, Revision of the semi-empirical mass formula coefficients by using the ame2020 database, Nuclear Engineering and Design, Vol. 426, art. no. 113403, 2024.	M22
2	F. H. Apostolakopoulos, N. Kržanović, P. Božović, K. Stanković, L. Perazić, Comparison of experimental and simulated responses of TL and OSL dosimeters in poly-energetic and multi-directional photon radiation fields, Nuclear Technology & Radiation Protection (ISSN 1451-3994, IF: 0.945, M23), Vol. 36, No. 4, pp. 329-337, 2021.	M23

3	N. Kržanović, K. Stanković, M. Živanović, M. Đaletić, O. Ciraj-Bjelac, Development and testing of a low cost radiation protection instrument based on an energy compensated Geiger-Müller tube, Radiation Physics and Chemistry (ISSN 0969-806X, IF: 2.226, M21), Vol. 164, art. no. 108358, 2019.	M21
4	F. H. Apostolakopoulos, N. Kržanović, K. Stanković, L. Perazić, Response of TL and OSL passive personal dosimetry systems in poly-energetic and multi-directional photon radiation fields, Applied Radiation and Isotopes (ISSN 0969-8043, IF: 1.270, M22), Vol. 151, pp. 235–241, 2019	M22
5	J. Praskalo, A. Beganović, J. Milanović, K. Stanković, Intraoral dental X-ray radiography in Bosnia and Herzegovina: study for revising diagnostic reference level value, Radiation Protection Dosimetry (ISSN 0144-8420, IF: 0.972, M23), Vol. 190, No. 1, pp. 90–99, 2020	M23
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	1740	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	118	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stefanov Predrag
Teaching position	full professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electrical power systems
Doctoral degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electrical power systems
Specialization				
MSc/MA degree	1995.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electrical power systems
Master's degree				
Bachelor diploma	1988.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher ir

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Development of control algorithms for managing DC ports in distribution networks with distributed generators	Dejan Ivic	2022	2023
2	A new decentralized approach for implementing fast frequency control in low-inertia power systems	Jelena Stojkovic	2021	2022
3	Optimal setup of synchrophasor devices to ensure full topological observability using the Gröbner basis method	Vladimir Becejac	2020	2020
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	D. Ivić, P. Stefanov, Control strategy for DC soft open point in large scale distribution networks with distributed generators, CSEE Journal of Power and Energy Systems , Vol. 8, No. 3, pp. 732 - 742, May, 2022 doi:10.17775/CSEEJPES.2020.03850	M21
2	J. Stojković Terzić, A. Shetgaonkar, P. Stefanov, A. Lekić, Two-layer control structure for enhancing frequency stability of the MTDC system, International Journal of Electrical Power & Energy Systems, Vol. 145, pp. 1 - 12, Feb, 2023	M21
3	V. Bečejac, P. Stefanov, Groebner bases algorithm for optimal PMU placement, International Journal of Electrical Power & Energy Systems, Vol. 115, pp. 1 - 10, Feb, 2020 doi:10.1016/j.ijepes.2019.105427	M21
4	Á. Rodríguez del Nozal, M. Barragán-Villarejo, F. de Paula García-López, G. Dobrić, J. Mauricio, J. Maza-Ortega, P. Stefanov, A model-less approach for the optimal coordination of renewable energy sources and DC links in low-voltage distribution networks, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 234, 2024	M21

5	Д. Котур, P. Stefanov, Optimal power flow control in the system with offshore wind power plants connected to the MTDC network, International Journal of Electrical Power & Energy Systems, Vol. 105, pp. 142 - 150, Feb, 2019 doi:10.1016/j.ijepes.2018.08.012	M21
6	D. Ivić, P. Stefanov, An Extended Control Strategy for Weakly Meshed Distribution Networks with Soft Open Points and Distributed Generation, IEEE ACCESS, Vol. 9, pp. 137886 - 137901, Oct, 2021	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	264	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stevanović Marija
Teaching position	full professor
Narrow scientific (artistic) field	General electrical engineering

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetics, antennas, and microwaves
Doctoral degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electromagnetics, antennas, and microwaves
Specialization				
MSc/MA degree	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electromagnetics, antennas, and
Master's degree				
Bachelor diploma	2000.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electromagnetics, antennas, and

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Determining the electromagnetic emission characteristics of devices measured in a Faraday cage using sparse signal processing techniques	Nenad Munic	2017	2017
2	Application of higher-order basis functions in the shape estimation of metallic and dielectric objects	Nebojsa Vojnovic	2019	2019

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	M. Nikolic Stevanović, A. Ковачевић, A. Ђорђевић, Increments of Admittance Parameters in Microwave Imaging, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Oct, 2024	M21a
2	J. Dinkić, M. Stevanović, A. Đorđević, Physical Models for Influence of Substrate Permittivity on the Gain of Microstrip Antennas, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 71, No. 11, pp. 9078 - 9083, Nov, 2023	M21a
3	M. Tasić, M. Стевановић, Б. Колунџија, 3D EM Modeling of Medical Microwave Imaging Scenarios with Controllable Accuracy, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 71, No. 2, pp. 1640 - 1653, Feb, 2023	M21a
4	T. Singh, D. Ninković, B. Kolundžija, M. Stevanović, Smooth Polynomial Approach for Microwave Imaging in Sparse Processing Framework, IEEE ACCESS, Vol. 10, pp. 120616 - 120629, 2022	M21
5	M. Stevanović, A. Đorđević, Simple Derivation of Transfer Functions in Bistatic Scattering Model, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 70, pp. 1 - 1, Oct, 2022	M21a
6	N. Vojnovic, L. Crocco, M. Nikolic Stevanovic, A three-dimensional microwave sparse imaging approach using higher-order basis functions, INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION, pp. 1 - 20, Mar, 2022	M22
7	M. Стевановић, J. Динкић, A. Đorđević, Estimating electrically small targets using equivalent dipoles and sparse processing, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, pp. 1 - 13, Dec, 2020	M21
8	N. Vojnović, M. Stevanović, L. Crocco, A. Đorđević, High-Order Sparse Shape Imaging of PEC and Dielectric Targets Using TE Polarized Fields, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 66, No. 4, pp. 2035 - 2043, Apr, 2018	M21
9	M.A.B. Abbasi, S. Nikolaou, M. A. Antoniades, M. Nikolic Stevanovic, P. Vryonides, Compact EBG-Backed Planar Monopole for BAN Wearable Applications, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 65, pp. 453 - 463, Feb, 2017	M21

10	N. Munic, M. Nikolic Stevanovic, A. Djordjevic, A. Kovačevic, Evaluation of radiating-source parameters by measurements in faraday cages and sparse processing, MEASUREMENT, Vol. 104, pp. 105 - 116, 2017	M21
11	M. Nikolić Stevanović, L. Crocco, A. Đorđević, A. Nehorai, Higher-Order Sparse Microwave Imaging of PEC Scatterers, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 64, No. 3, pp. 988 - 997, Mar, 2016	M21
12	M. Stevanović, A. Nehorai, A. Đorđević, Electromagnetic Imaging of Hidden 2-D PEC Targets Using Sparse Signal Modeling, IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, Vol. 51, No. 5, pp. 2707 - 2721, May, 2013	M21a
13	A. Đorđević, D. Tošić, A. Zajić, M. Stevanović, D. Olćan, I. Jovanović, Temporal Leakage in Analysis of Electromagnetic Systems, IEEE ANTENNAS AND PROPAGATION MAGAZINE, Vol. 54, No. 6, pp. 92 - 101, Dec, 2012	M22
14	M. Stevanović, A. Nehorai, A. Đorđević, Estimation of Direction of Arrival Using Multipath on Array Platforms, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 60, No. 7, pp. 3444 - 3454, Jul, 2012	M21
15	M. Nikolić, A. Nehorrai, A Djordjević, Estimating Moving Targets behind Reinforced Walls Using Radar, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 57, No. 11, pp. 3530 - 3538, Nov, 2009	M21
16	M. Nikolić, M. Ortner, A. Nehorrai, A. Djordjević, An Approach to Estimating Building Layouts Using Radar and Jump-Diffusion Algorithm, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 57, No. 3, pp. 768 - 776, Mar, 2009	M21
17	M. Nikolić, A. Đorđević, A. Nehorai, Microstrip antennas with suppressed radiation in horizontal directions and reduced coupling, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 53, No. 11, pp. 3469 - 3476, Nov, 2005	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	529	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	21	Number of international projects in which the teacher is currently participating	0

Professional training
Second PhD from Washington University in St. Louis, St. Louis, USA
Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stojanović Saša
Teaching position	associate professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree				
Master's degree				
Bachelor diploma	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the past

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	AUTOMATED ASSESSMENT OF PEN AND PAPER TESTS USING ARTIFICIAL INTELLIGENCE	Vladimir Jocović	2023	2023
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more than 20)

O.n.	Reference titles and authors	Category
1	В. Андрић, G. Kvaščev, М. Цветановић, С. Стојановић, Н. Бачанин, М. Гајић--Квашчев, Deep learning assisted XRF spectra classification, Scientific Reports, Vol. 14, No. 1, 2024 doi:10.1038/s41598-024-53988-z	M21
2	S. Tubic, Z. Radivojevic, S. Stojanovic, M. Cvetanovic, AFD-An Architectural Language for Integral Modeling, IEEE ACCESS, Vol. 12, pp. 127165 - 127184, Sep, 2024 doi:10.1109/ACCESS.2024.3456041	M21
3	Veljko Milutinović, Miloš Kotlar, Jakob Salom, Saša Stojanović, Živojin Šuštran, Aleksandar Veljković, Jelena Marković, Ali R.Hurson, VLSI for SuperComputing: Creativity in R+D from applications and algorithms to masks and chips, ADVANCES IN COMPUTERS, Vol. 126, pp. 1 - 10, Apr, 2022	M21
4	V. Jocovic, M. Marinkovic, S. Stojanovic, B. Nikolic, Automated assessment of pen and paper tests using computer vision, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 83, pp. 2031 - 2052, May, 2023	M21
5	V. Polužanski, U. Kovačević, N. Bacanin, T. Rashid, S. Stojanović, B. Nikolić, Application of Machine Learning to Express Measurement Uncertainty, Applied Sciences, Vol. 12, No. 17, pp. 1 - 13, Aug, 2022	M21

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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	92	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	11	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stojanović Zoran
Teaching position	full professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Specialization				
MSc/MA degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Master's degree				
Bachelor diploma	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Transverse differential protection of double circuit overhead lines	Miodrag Forcan	2017	2020
2	New approach in realization of longitudinal differential protection of overhead lines	Tomislav Rajić	2019	2020
3	Detection of transient faults on overhead lines in current transformer saturation conditions	Nenad Belčević	2023	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Mladen Ostojić, Zoran Stojanović, "An algorithm for distance protection based on the change of the voltage phase angle", Electric Power Systems Research, Volume 223, July 2023.	M21
2	Nenad Belčević, Zoran Stojanović, "Using voltage signals for transient fault detection on overhead lines", International Journal of Electrical Power and Energy Systems, volume 137, May 2022.	M21
3	Mladen Ostojić, Zoran Stojanović, "An algorithm with voltage inputs for detecting conductor breaks in radial distribution networks", International Transactions on Electrical Energy Systems, volume 31, issue 12, December, 2021.	M23
4	Miodrag Forcan, Zoran Stojanović, "A standby protection scheme to complement transverse differential protection of double circuit lines in the case of one parallel line tripped", Electric Power Systems Research, Volume 201, September 2021.	M21

5	Zoran Stojanović, Mileta Žarković, "Wide range algorithm for directional earth-fault protection without voltage inputs", IET Generation, Transmission & Distribution, Volume 14, Issue 14, p. 2829 – 2838, July 2020.	M21
6	Nenad Belčević, Zoran Stojanovic, "Algorithm for phasor estimation during current transformer saturation and/or DC component presence: definition and application in arc detection on overhead lines", IET Generation, Transmission & Distribution, Volume 14, Issue 7, p. 1378 –1388, April, 2020.	M21
7	Goran Dobrić, Zlatan Stojković, Zoran Stojanović, "Experimental verification of monitoring techniques for metal-oxide surge arrester", IET Generation, Transmission & Distribution, Volume 14, Issue 6, p. 1021-1030, March 2020.	M21
8	T. Rajić, Z. Stojanović, "Zero-sequence longitudinal differential protection of transmission lines ", Electrical Engineering, Volume 102, p. 747-762, 2020.	M23
9	M. Forcan, Z. Stojanović, "Transverse differential protection scheme for double circuit lines with single pole tripping and reclosing" International Transactions on Electrical Energy Systems, Volume 30, Issue 1, January, 2020.	M23
10	T. Pajић, Z. Stojanović, An algorithm for longitudinal differential protection of transmission lines, INTERNATIONAL JOURNAL OF ELECTRICAL POWER AND ENERGY SYSTEMS, Vol. 96, pp. 276 - 286, Jan, 2018	M21
11	M. Forcan, Z. Stojanović, An algorithm for sensitive directional transverse differentialprotection with no voltage inputs, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 137, pp. 86 - 95, Aug, 2016	M21
12	G. Dobrić, Z. Stojanović, Z. Stojković, The application of genetic algorithm in diagnostics of metal-oxide surge arrester, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 119, pp. 76 - 82, Feb, 2015	M21
13	Z. Stojanović, M. Ђурић, Table based algorithm for inverse–time overcurrent relay, JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, Vol. 65, No. 4, pp. 213-220, Jul, 2014.	M23
14	Z. Stojanović, Z. Stojković, Evaluation of MOSA condition using leakage current method, INTERNATIONAL JOURNAL OF ELECTRICAL POWER AND ENERGY SYSTEMS, Vol. 52, pp. 87 - 95, Nov, 2013	M21a
15	Z. Stojanović, M. Đurić, An algorithm for directional earth-fault relay with no voltage inputs, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 96, pp. 144 - 149, Mar, 2013	M21
16	Zoran N. Stojanović, Milenko B. Đurić, The algorithm for directional element without dead tripping zone based on digital phase comparator, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 81, No. 2, pp. 377-383, Feb, 2011.	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	224	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	16	Number of international projects in which the teacher is currently participating	1

Professional training
Certificates for working on ABB and Siemens protection relays
Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Stojković Terzić Jelena
Teaching position	assistant professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Doctoral degree	2022.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Specialization				
MSc/MA degree				
Master's degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems
Bachelor diploma	2014.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	T. Wu, H. Zhuang, Q. Huang, S. Xia, Y. Zhou, W. Gan, J. Stojković Terzić, Routing and scheduling of mobile energy storage systems in active distribution network based on probabilistic voltage sensitivity analysis and Hall's theorem, APPLIED ENERGY, Vol. 386, May, 2025 doi:10.1016/j.apenergy.2025.125535	M21a
2	S. Xia, H. Wu, Y. Mao, T. Wu, G. Song, J. Stojkovic Terzic, M. Shahidehpour, Photovoltaic Power Generation and Energy Storage Capacity Cooperative Planning Method for Rail Transit Self-consistent Energy Systems Considering the Impact of DoD, IEEE TRANSACTIONS ON SMART GRID, Jun, 2024 doi:10.1109/TSG.2024.3408950	M21a
3	J. Stojković Terzić, A. Shetgaonkar, P. Stefanov, A. Lekić, Two-layer control structure for enhancing frequency stability of the MTDC system, International Journal of Electrical Power & Energy Systems, Vol. 145, pp. 1 - 12, Feb, 2023	M21
4	L. Moreno-Díaz, J. Manuel Mauricio, Á. Rodríguez del Nozal, J. Stojković Terzić, On the damping deterioration of power systems with CIG-based power plants performing PFR under communication delays, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 250, Jan, 2026 doi:10.1016/j.epsr.2025.112077	M21

5	J. Stojković, A. Lekić, P. Stefanov, Adaptive Control of HVDC Links for Frequency Stability Enhancement in Low-Inertia Systems, ENERGIES, Vol. 13, pp. 1 - 21, 2020 doi:10.3390/en13236162	M22
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	39	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	7	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Šumarac Pavlović Dragana
Teaching position	full professor
Narrow scientific (artistic) field	Technical acoustics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Technical acoustics
Doctoral degree	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Technical acoustics
Specialization				
MSc/MA degree	1996.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1993	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	IMPROVEMENT OF METHODS FOR CALCULATION OF SOUND INSULATION IN BUILDINGS	Draško Mašović	2014	2015
2	APPLICATION OF SOFT COMPUTING TECHNIQUES IN TRAFFIC NOISE PREDICTION	Jelena Tomić	2017	2018
3	CHARACTERIZATION OF ROOMS IMPULSE RESPONSE TEXTURE USING MULTIFRACTAL ANALYSIS	Dragan Ristić	2014	2016
4	APPLICATION OF NEURAL NETWORKS IN WHISPERED SPEECH RECOGNITION	Đorđe Grozdić	2014	2017
5	THE RECOGNITION OF MULTIMODAL SPEECH BASED ON STATISTICAL APPROACH	Jovan Galić	2018	2019
6	ANALYSIS OF THE INCIDENT ENERGY ANGULAR DISTRIBUTION OF AMBIENT NOISE BY MICROPHONE ARRAY	Miloš Bjelić	2017	2018
7	ESTIMATION OF SPEECH PRIVACY INDEX IN BUILDINGS BASED ON ANGULAR DISTRIBUTION OF INCIDENCE ENERGY	Miodrag Stanojević	2022	2023
8	DETECTION OF ARTICULATORY- ACOUSTIC DEVIATIONS IN PATHOLOGICAL SPEECH	Ružica Bilibajkić	2012	2016

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	T. Miljković, M. Bjelić, J. Ćertić, D. Šumarac Pavlović, Estimation of harp string inharmonicity influenced by phantom partials, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 158, No. 4, pp. 3187-3202, Oct, 2025. doi:10.1121/10.0039660	M21
2	Т. Миљковић, Ј. Ћертић, М. Бјелић, Д. Шумарац Павловић, Digital Signal Processing of the Inharmonic Complex Tone, Applied Sciences, Vol. 15, pp. 1-24, Jul, 2025. doi:10.3390/app15158293	M21
3	M. Bjelić, M. Mijić, T. Miljković, D. Šumarac Pavlović, Effect of Curvature Shape of Transparent COVID-19 Protective Face Shields on the Speech Signal, ARCHIVES OF ACOUSTICS, Vol. 49, No. 1, pp. 27-35, Jan, 2024. doi:10.24425/aoa.2024.148772	M23
4	M. Stanojević, M. Bjelić, Д. Шумарац Павловић, M. Мијић, Measurements of noise energy angular distribution at the building envelope using microphone arrays, APPLIED ACOUSTICS, Vol. 140, pp. 283 - 287, Jun, 2018 doi:10.1016/j.apacoust.2018.06.010	M22
5	F. Pantelić, M. Мијић, D. Šumarac Pavlović, D. Ridley-Ellis, D. Dudeš, Analysis of a wooden specimen's mechanical properties through acoustic measurements in the very near field, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 147, No. 4, pp. EL320 - EL325, Apr, 2020 doi:10.1121/10.0001030	M22

6	Miloš Bjelić, Tatjana Miljković, Miomir Mijić, Dragana Šumarac Pavlović, An Estimation of Speech Privacy Class Based on ISO Parameter, Applied sciences, Vol. 14 (3), pp. 1-17, Jan, 2024, (DOI: 10.3390/app14030967, ISSN: 2076-3417, IF=2.7),	M21
7	M. Vojnović, M. Мијић, D. Šumarac Pavlović, N. Vojnović, Influence of Overpressure Breathing on Vowel Formant Frequencies, ARCHIVES OF ACOUSTICS, Vol. 46, No. 1, pp. 177-181, Jan, 2021.	M21
8	Stevan Savić, Miloš Bjelić, Dragana Šumarac Pavlović, Dragan Milošević, Jelena Dunjić, Lazar Lazić, Mileta Žarković, Tatjana Miljković, Urbanization Trends in the 21st Century - a Driver for Negative Climate, Noise and Air Quality Impacts on Urban Population, Geographica Pannonica, Vol. 26, pp. 396-405, Dec, 2022, (DOI: https://doi.org/10.5937/gp26-41319	M22
9	Miodrag Stanojević, Miloš Bjelić, Dragana Šumarac Pavlović, Miomir Mijić, Measurements of noise energy angular distribution at the building envelope using microphone arrays, Applied Acoustics, Vol 140, 283-287, 2018, (DOI: 10.1016/j.apacoust.2018.06.010, ISSN: 0003-682X, IF=2.297)	M21
10	Miloš Bjelić, Miodrag Stanojević, Dragana Sumarac Pavlović, Miomir Mijić, Microphone array geometry optimization for traffic noise analysis, The Journal of the Acoustical Society of America, Vol 141(5), 3101-3104, 2017, (DOI: 10.1121/1.4982694, IF=1.605),	M21
11	F. Pantelić, D. Šumarac Pavlović, M. Мијић, D. Ridley-Ellis, Correction of Evanescent Wave Influence on the Flexural Wave Velocity and Wavelength Estimation Based on a Mode Shape Function (Article), ARCHIVES OF ACOUSTICS, Vol. vol. 47, No. 4, pp. 539-546, 2022.	M21
12	S. Dimitrijević, M. Mijić, D. Šumarac Pavlović, Indoor sound level spectra of public entertainment premises for rating airborne sound insulation, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 147, No. 3, pp. El215-El220, Mar, 2020. doi:10.1121/10.0000800	M21
13	S. Bojičić, Д. Шумарац Павловић, M. Mijić, Formation of Scattering Characteristics for Acoustical Ray Tracing Simulation, ARCHIVES OF ACOUSTICS, Vol. 43, No. 4, pp. 3-10, Dec, 2018.	M23
14	M. Vojnović, M. Mijić, Д. Шумарац Павловић, A simplified model of mouth radiation impedance closed by mask cavity, APPLIED ACOUSTICS, Vol. 115, No. 1, pp. 3-5, Jan, 2017. doi:10.1016/j.apacoust.2016.08.016	M22
15	J. Tomić, N. Bogojević, M. Pljakić, D. Šumarac Pavlović, Assessment of traffic noise levels in urban areas using different soft computing techniques, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 140, No. 4, pp. EL340-EL345, Oct, 2016. doi:10.1121/1.4964786	M22
16	Đ. Grozdić, C. Јовичић, D. Šumarac Pavlović, J. Galić, B. Marković, Comparison of Cepstral Normalization Techniques in Whispered Speech Recognition, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Vol. 17, No. 1, pp. 21-26, Apr, 2017. doi:10.4316/AECE.2017.01004	M23
17	Д. Шумарац Павловић, M. Mijić, An approach to numerical quantification of room shape and its function in diffuse sound field model, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 140, No. 4, pp. 2766-2768, Oct, 2016. doi:10.1121/1.4964739	M22
18	D. Šumarac Pavlović, M. Mijić, D. Mašović, The influence of proscenium boxes on acoustic response in historical opera halls, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 138, No. 3, pp. 1533-1536, Sep, 2015. doi:10.1121/1.4928721	M22
19	D. Šumarac Pavlović, M. Mijić, H. Kurtović, A simple impulse sound source for measurements in room acoustics, APPLIED ACOUSTICS, Vol. 69, No. 4, pp. 378-383, Apr, 2008.	M21

Collective data of scientific teacher activities			
Total number of citations, without auto-citations	477	Number of local projects in which the teacher is currently participating	3
Total number of papers on the SCI (SSCI) list	28	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Tadić Milan
Teaching position	full professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	1995.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Specialization				
MSc/MA degree	1992.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Physical electronics
Master's degree				
Bachelor diploma	1989.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Engineering physics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Experimental characterization and Monte Carlo simulation of the dosimetric parameters of the MOSFET structure in the fields of ionizing radiation	Srboljub Stanković	2015	2016
2	Microscopic, spectroscopic, and biomedical characterization of hybrid carbon nanostructures	Nenad Stanković	2018	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5,

O.n.	Reference titles and authors	Category
1	V. Arsoski, M. Tadić, Exotic quantum states in multilayer phosphorene nanoribbons in electric and magnetic fields, PHYSICA SCRIPTA, Vol. 98, No. 9, pp. 1-10, Aug, 2023. doi:10.1088/1402-4896/ace940	M21
2	D. Topalović, V. Arsoski, M. Tadić, F. Peeters, Asymmetric versus symmetric HgTe / Cd x Hg 1 − x Te double quantum wells: Bandgap tuning without electric field, JOURNAL OF APPLIED PHYSICS, Vol. 128, No. 6, pp. 064301-1-064301-8, Aug, 2020.	M22
3	HgTe in magnetic field: Quantum dot versus quantum ring behavior, PHYSICAL REVIEW. B, Vol. 100, No. 12, pp. 125304-1-125304-9, Sep, 2019. doi:10.1103/PhysRevB.100.125304	M21
4	and germanene nanorings in perpendicular magnetic field, JOURNAL OF PHYSICS: CONDENSED MATTER, Vol. 30, No. 3, pp. 035301-035301, Jan, 2018. doi:10.1088/1361-648X/aa9e67	M22

5	V. Arsoski, M. Grujić, N. Čukarić, M. Tadić, F. Peeters, Normal and skewed phosphorene nanoribbons in combined magnetic and electric fields, PHYSICAL REVIEW. B, Vol. 96, No. 12, pp. 125434-1-125434-11, Sep, 2017. doi:10.1103/PhysRevB.96.125434	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	876	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	55	Number of international projects in which the teacher is currently participating	0

Professional training
1. Northwestern University, 1996. 2. University of Antwerp, 2000-2002.

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Tadić Predrag
Teaching position	associate professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Automation
Specialization				
MSc/MA degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	2005.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	V. Atanasoski, A. Lazović, P. Tadić, N. Đorđević, M. Тиосављевић, M. Ivanović, LJ. Hadžievski, A. Ristić, V. Vukčević, J. Petrović, Synchronous post-exercise electrocardiogram, phonocardiogram, photoplethysmograms and seismocardiogram, Scientific Data, Vol. 12, No. 1, Aug, 2025	M21a
2	D. Filipović, J. Inderhees, A. Korda, P. Tadić, M. Schwaninger, D. Inta, S. Borgwardt, Metabolic Fingerprints of Effective Fluoxetine Treatment in the Prefrontal Cortex of Chronically Socially Isolated Rats: Marker Candidates and Predictive Metabolites, International Journal of Molecular Sciences, Vol. 24, No. 13, Jun, 2023 doi:10.3390/ijms241310957	M21
3	U. Durlević, P. Tadić, M. Hussain, Snow Avalanche Susceptibility Mapping Using Deep Learning, Machine Learning, and Fuzzy Logic: A Case Study of the Šar Mountains, Serbia, Earth Systems and Environment, Aug, 2025	M21a
4	Dragana Filipović, Božidar Novak, Jinqiu Xiao, Predrag Tadić, Christoph W. Turck, Prefrontal Cortex Cytosolic Proteome and Machine Learning-Based Predictors of Resilience toward Chronic Social Isolation in Rats, International Journal of Molecular Sciences, Vol. 25, No. 5, Mar, 2024 doi:10.3390/ijms25053026	M21

5	D. Filipović, J. Inderhees, A. Korda, P. Tadić, M. Schwaninger, D. Inta, S. Borgwardt, Serum Metabolites as Potential Markers and Predictors of Depression-like Behavior and Effective Fluoxetine Treatment in Chronically Socially Isolated Rats, Metabolites, Vol. 14, No. 8, Jul, 2024	M22
6	K. Žiža, P. Tadić, P. Vuletić, DNS exfiltration detection in the presence of adversarial attacks and modified exfiltrator behaviour, INTERNATIONAL JOURNAL OF INFORMATION SECURITY, Vol. 22, pp. 1865-1880, 2023.	M21
7	M. Adžemović, P. Tadić, A. Petrović, M. Nikolić, Beyond Kalman filters: deep learning-based filters for improved object tracking, MACHINE VISION AND APPLICATIONS, Vol. 36, Dec, 2024.	M22
8	Dragana Filipović, Božidar Novak, Jinqiu Xiao, Predrag Tadić, Christoph W. Turck, Prefrontal cortical synaptoproteome profile combined with machine learning predicts resilience towards chronic social isolation in rats, JOURNAL OF PSYCHIATRIC RESEARCH, Vol. 172, pp. 221-228, Feb, 2024.	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	104	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Tartalja Igor
Teaching position	full professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	1997.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Specialization				
MSc/MA degree	1989.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1984.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	HEURISTIC FOR AUTOMATED PARALLEL KNOWLEDGE TESTS ASSEMBLY	Miroslava Ignjatović	2021	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	Ignjatović, M. and Tartalja, I, “A Constructive Heuristic for Automated Parallel Tests Assembly,” International Journal Of Software Engineering And Knowledge Engineering, vol. 32, no. 3 pp. 395–415, March 2022, ISSN: 0218-1940, doi: 10.1142/S0218194022500164, IF (2022)=0.9, https://www.worldscientific.com/doi/10.1142/S0218194022500164	M23
2	Ignjatović, M., Bojić, D., and Tartalja, I, “A Survey on Problem Formulations and (Meta)Heuristic-Based Solutions in Automated Assembly of Parallel Test Forms,” International Journal Of Software Engineering And Knowledge Engineering, vol. 31, no. 8, pp. 1171-1212, August 2021, ISSN: 0218-1940, doi: 10.1142/S0218194021500376, IF(2021)=1.007,	M23
3	Tomaž Čegovnik, Kristina Stojmenova, Igor Tartalja, Jaka Sodnik, Evaluation of different interface designs for human-machine interaction in vehicles, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 79, pp. 21361 - 21388, Aug, 2020 doi:10.1007/s11042-020-08920-8	M21

4	Đorđe M. Đurđević, Igor I. Tartalja, 2D-RBUC for efficient parallel compression of residuals, COMPUTERS AND GEOSCIENCES, Vol. 111, pp. 118 - 126, Feb, 2018 doi:10.1016/J.CAGEO.2017.11.003	M21
5	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, "A Systematic Approach to Generation of New Ideas for PhD Research in Computing," Advances in Computers, Vol. 104,	M22
6	Zarko Stanisavljevic, Bosko Nikolic, Igor Tartalja, Veljko Milutinovic, A classification of eLearning tools based on the applied multimedia, MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 74, No. 11, pp. 3843 - 3880, Jun, 2015 doi:10.1007/s11042-013-1802-4	M21
7	Tartalja, I. and Milutinović, V., "Classifying Software-Based Cache Coherence Solutions," IEEE SOFTWARE, vol. 14, no. 3, pp.90-101, May/June 1997, ISSN: 0740-7459, doi: 10.1109/52.589244	M21
8	I. Ekmečić, I. Tartalja, V. Milutinović, A survey of heterogeneous computing: concepts and systems, PROCEEDINGS OF THE IEEE, Vol. 84, No. 8, pp. 1127 - 1144, Aug, 1996 doi:10.1109/5.533958	M21a+
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	147	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	13	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Head of the Department of Computer engineering and informatics, School of Electrical Engineering, University of Belgrade (2015-2018)

Head of the study program Software engineering, founded in 2004 at School of Electrical Engineering, University of Belgrade (2004-2006)

Serbian informatics society award for outstanding contribution to informatics development in the year 2002, in "Developed and applied product of informatics" (project Paragraf Net, publiser Novi privrednik/Paragraf Co, Belgrade).

Technics journal award for outstanding achievement in the paper: Tartalja, I., Polajnar, J., "Devlopment of a specialized component for laboratory computer Lars86", Technics-Electrical engineering, vol.38 (1989), no.5, pp.437-442.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Tasić Miodrag
Teaching position	associate professor
Narrow scientific (artistic) field	Electromagnetism, antennas and microwaves

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Electromagnetism, antennas and microwaves
Doctoral degree	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Specialization				
MSc/MA degree	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1998.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Milijic, B. Jokanovic, **M. Tasic**, S. Jovanovic, O. Boric-Lubecke, and V. Lubecke, "Dual-Port Butterfly Slot Antenna for Biosensing Applications, " Sensors, vol. 25, no. 16, Art. no. 4980, Aug. 2025, doi: 10.3390/s25164980.	M21
2	**M. Tasić**, М. Стевановић, Б. Колунџија, 3D EM Modeling of Medical Microwave Imaging Scenarios with Controllable Accuracy, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 71, No. 2, pp. 1640 - 1653, Feb, 2023 doi:10.1109/TAP.2022.3209244	M21a
3	M. Radovanovic, S.Stefanovski-Pajovic, **M. Tasic**, M. Potrebic and D. Tosic, "Bandpass filters with conductively coupled eighth-mode SIW resonators," in Optoelectronics and Advanced Materials - Rapid Communications, vol. 16, no. 9-10, pp. 443-449, October 2022.	M23
4	**M. Tasic**, B. Kolundzija, T. Milosevic, "Domain decomposition method for scattering from an aircraft with jet engine inlet cavity," Applied Computational Electromagnetics Society Journal, Vol. 34, No. 2, Feb, 2019., pp. 331-336.	M23

5	**M. Tasić**, Б. Колунџија, Method of Moment Weighted Domain Decomposition Method for Scattering From Large Platforms, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 66, No. 7, pp. 3577 - 3589, 2018 doi:10.1109/TAP.2018.2829821	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	71	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	9	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Terzić Mladen
Teaching position	Associate Professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Doctoral degree	2015.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Specialization				
MSc/MA degree				
Master's degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives
Bachelor diploma	2007.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Mihić, D.S.; Brkovic, B.M.; Terzic, M.V. Asymmetrical Four-Phase 8/6 Switched Reluctance Motor for a Wide Constant Power Region. Machines 2024, 12, 454. https://doi.org/10.3390/machines12070454	M22
2	M. Terzic, D. Mihic, Switched Reluctance Motor Design for a Mid-Drive E-Bike Application, Machines 2022, 10, 642. https://doi.org/10.3390/machines10080642	M22
3	Dragan S. Mihic, **Mladen V. Terzic**, Zarko V. Koprivica, Non-linear model of the switched reluctance motor with included core losses' effects, IET ELECTRIC POWER APPLICATIONS, Vol. 15, No. 11, pp. 1466-1478, Nov, 2021.	M22
4	D. Mihić, **M. Terzić**, B. Brković, S. Vukosavić, A novel modular power converter for SRM drive, ELECTRICAL ENGINEERING (ARCHIV FUR ELEKTROTECHNIK), pp. 1-17, Jan, 2020., https://doi.org/10.1007/s00202-020-00923-w	M22
5	B. Bilgin, J. Liang, **M. Terzić**, J. Dong, R. Rodriguez, E. Trickett, A. Emadi, Modeling and Analysis of Electric Motors: State-of-the-Art Review, IEEE Transactions on Transportation Electrification, Vol. 5, No. 3, pp. 602 - 617, Sep, 2019, doi: 10.1109/TTE.2019.2931123.	M21

6	Bogdan Mihailo Brkovic, Leposava Bratimir Ristic, **Mladen Vlajko Terzic**, Ana V Stankovic, Zoran Mileta Lazarevic, Magnetizing Inductance Determination in a Six-phase Induction Machine, IEEE TRANSACTIONS ON ENERGY CONVERSION, pp. 1-12, Nov, 2018.	M21
7	D. Mihić, **M. Terzić**, S. Vukosavić, A New Nonlinear Analytical Model of the SRM With Included Multiphase Coupling, IEEE TRANSACTIONS ON ENERGY CONVERSION, Vol. 32, No. 4, pp. 1322-1334, Dec, 2017.	M21
8	**M. Terzić**, D. Mihić, S. Vukosavić, Impact of Rotor Material on the Optimal Geometry of High-Speed Drag-Cup Induction Motor, IEEE TRANSACTIONS ON ENERGY CONVERSION, Vol. 3, No. 2, pp. 455-465, Jun, 2016.	M21
9	**M. Terzić**, D. Mihić, S. Vukosavić, Design of High-Speed, Low-Inertia Induction Machines With Drag-Cup Rotor, IEEE TRANSACTIONS ON ENERGY CONVERSION, Vol. 29, No. 1, pp. 169-177, Mar, 2014.	M21
10	**M. Terzić**, D. Mihić, S. Vukosavić, Stator Design and Air Gap Optimization of High Speed Drag-Cup Induction Motor using FEM, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Vol. 13, No. 3, pp. 93-100, Aug, 2013.	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	233	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	1

Professional training
Postodoctoral studies at McMaster Automotive Research Center, McMaster University, Hamilton, ON, Canada
Other relevant data
Two years work in automotive industry (Rheinmetall Automotive, Neuss, Germany) on design of electrical machines in vehicles
Mentor of Electrical sector of Formula 1 student team "Road Arrow"

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Tomašević Milo
Teaching position	professor emeritus
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	1992.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Specialization				
MSc/MA degree	1987.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1980.	University of Belgrade - School of Electrical Engineering	Electrical engineering	Electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Improved system for plagiarism detection in source programming code	Mišić Marko	2016	2017
2	A proposal of support for thread level speculation in CMP processors	Radulović Milan	2014	2015
3	Performance improvement of asymetric multicore processors with transaction migration and adaptation of cache memory	Šuštran Živojin	2017	2022
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Tomašević V., Tomašević M., “Double Time Memory Trade Off in OSK RFID Protocol“, Wireless Personal Communication, (online first), April 2019, pp. 1-18.	M23
2	Blagojević V., Bojić D., Bojović M., Cvetanović M., Đorđević J., Đurđević Đ., Furlan B., Gajin S., Jovanović Z., Milićev D., Milutinović V., Nikolić B., Protić J., Punt M., Radivojević Z., Stanisavljević Ž., Stojanović S., Tartalja I., Tomašević M., Vuletić P., "A Systematic Approach to Generation of New Ideas for PhD Research in Computing", Advances in Computers, Vol.	M22
3	Radulović M., Girbal S., Tomašević M., "Low-level Implementation of the SISC Protocol for Thread-level Speculation on a Multi-core Architecture", Parallel Computing, vol. 67, September 2017, pp. 1 19.	M23
4	Trobec R., Vasiljević R., M. Tomašević, Milutinović V., Beivide R., Valero M., "Interconnection Networks in Petascale Computer Systems: A Survey", ACM Computing Surveys, Vol. 49, No. 3, Sep, 2016, pp. 1-25.	M21a
5	Dundjerski D., Tomašević M., "GPU-Based Parallelization of the OSPF and BGP routing protocols", Concurrency and Computation: Practice and Experience, Vol. 27, Iss. 1, January 2015, pp. 237-251.	M22
6	Vitorović A., Tomašević M., Milutinović V., "Manual Parallelization versus State-of-the-art Parallelization Techniques: the SPEC CPU2006 as a Case Study", Advances in Computers, vol. 92, January 2014, pp. 203-251.	M23
7	Radulović M., Tomašević M., Milutinović V., "Register-Level Communication in Speculative Chip Multiprocessors", Advances in Computers, vol. 92, January 2014, pp. 1 66.	M23
8	Punt M., Tomašević M., Đorđević J., “Evaluation and Analysis of an On-line Error Detection Monitoring Technique“, Computers and Electrical Engineering, Vol. 39, Iss. 2, February 2013, pp. 261-273.	M22

9	Tomašević V., Tomašević M., “An Analysis of Chain Characteristics in the Cryptanalytic TMTO Method“, Theoretical Computer Science, Vol. 501, August 2013, pp. 52-61.	M23
10	Bojović M., Tomašević M., Đorđević J., "The Interactive Development and Testing System for a RISC-Style Processor," The Computer Journal, Vol. 42, No. 5, 1999.	M23
11	Tomašević M., Bojović M., Đorđević J., "A Hardware Implemenation of the Mechanism of Multiprocessing", Microprocessors and Microsystems, Vol. 23, December 1999, pp. 471 479. ISSN: 0141-9331 - Časopis sa SCI liste Impact Factor: 0.151 (1999) M23	M23
12	Đorđević J., Tomašević M., Bojović M., Potić V., Ranđić S., "An Operating System Accelerator," Journal of Systems Architecture, Vol. 44, No. 9-10, June 1998, pp. 737-754.	M23
13	Tomašević M., Milutinović V. “The Word-invalidate Cache Coherence Protocol,” Microprocessors and Microsystems, Vol. 20, No. 1, March 1996, pp. 3-16.	M23
14	Grujić A., Tomašević M., Milutinović V., "A Simulation Study of Hardware-Oriented DSM Approaches", IEEE Parallel & Distributed Technology, Vol. 4, No. 1, Spring 1996, pp. 74 83. Napomena: Današnji naziv - IEEE Concurrency	M21
15	Protić J., Tomašević M., Milutinović V., "Distributed Shared Memory: Concepts and Systems,” IEEE Parallel & Distributed Technology, Vol. 4, No. 2, Summer 1996, pp. 63 79.	M21
16	Savić, S., Tomašević M., Milutinović V. “Improved RMS for the PC Environment," Microprocessors and Microsystems, Vol. 19, No. 10, December 1995, pp. 609-619.	M23
17	Tomašević M., Milutinović V., "Hardware Approaches to Cache Coherence in Shared-Memory Multiprocessors, Part 1," IEEE Micro, Vol.14., No.5, October 1994., pp. 52-59.	M23
18	Tomašević M., Milutinović V., "Hardware Approaches to Cache Coherence in Shared-Memory Multiprocessors, Part 2," IEEE Micro, Vol.14., No.6, December 1994., pp. 61-66	M23
19	J. Protić, M. Tomašević, V. Milutinović, Distributed Shared Memory: Concepts and Systems, Computer Society Press, 1998.	M12
20	M. Tomašević, V. Milutinović, Cache Coherence Problem in Shared Memory Multiprocessors: Hardware Solutions, IEEE Computer Society Press, 1993.	M12

Collective data of scientific teacher activities			
Total number of citations, without auto-citations	418	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	23	Number of international projects in which the teacher is currently participating	0

Professional training
Purdue University, West Lafayette, IN, SAD, 1989.-1990.
Other relevant data
Served as the Dean and Vice-Dean of School of Electrical Engineering
Corresponding member of Academy of Engineering Sciences pf Serbia
Taught courses in computing at several universities in the region

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Tošić Dejan
Teaching position	full professor (retired)
Narrow scientific (artistic) field	Circuit and system theory

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2012	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Circuit and system theory
Doctoral degree	1996	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Specialization				
MSc/MA degree	1986	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1980	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	I. Marković, M. Potrebić Ivaniš, D. Tošić, "The Dynamic Tunability of Memristor-Based Active Filters", Micromachines, vol. 14, no. 11, 2064, pp. 1-13, 2023. https://doi.org/10.3390/mi14112064, M22	M22
2	A. Kovačević, M. Potrebić, D. Tošić, "Sensitivity Characterization of Multi-Band THz Metamaterial Sensor for Possible Virus Detection", Electronics, vol. 11, no. 5, 699, pp. 1-19, 2022. https://doi.org/10.3390/electronics11050699, M22	M22
3	I. Marković, M. Potrebić Ivaniš, D. Tošić, "Memristors as Candidates for Replacing Digital Potentiometers in Electric Circuits", Electronics, vol. 10, no.2, 181, pp. 1-18, 2021. https://doi.org/10.3390/electronics10020181, M22	M22
4	M. Miletić, M. Potrebić, D. Tošić, N. Basta, "Waveguide digital step attenuator using quarter-wave resonators and memristors", AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol. 127, 153493, pp. 1-9, 2020. https://doi.org/10.1016/j.aeue.2020.153493, M22	M22
5	M. Potrebić, D. Tošić, D. Biolek, "Reconfigurable microwave filters using memristors", INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol. 46, no. 1, pp. 113 - 121, 2018. https://doi.org/10.1002/cta.2345, M22	M22
6	D. Biolek, Z. Kolka, V. Biolková, Z. Biolek, M. Potrebić, D. Tošić, “Modeling and simulation of large memristive networks”, International Journal of Circuit Theory and Application, vol. 46, no. 1, pp. 50-65, 2018. DOI: 10.1002/cta.2327, Print ISSN: 0098-9886, Online ISSN: 1097-007X, IF(2018): 1.554 M23, IF(2017): 1.444 M23, (2012-2016: M22).	M22
7	I. Lj. Marković, M. M. Potrebić, D. V. Tošić, “Main-line memristor mounted type loaded-line phase shifter realization”, Microelectronic Engineering, volumes 185–186, pp. 48-54, 2018. DOI: 10.1016/j.mee.2017.11.005, ISSN: 0167-9317, IF (2018): 1.654, M22.	M22
8	M. Potrebić, D. Tošić, A. Plazinić, “Reconfigurable multilayer dual-mode bandpass filter based on memristive switch”, AEU International Journal of Electronics and Communications, vol. 97, pp. 290-298, 2018. DOI: 10.1016/j.aeue.2018.10.032, ISSN: 1434-8411, IF (2018): 2.853,	M22
9	M. V. Mrvić, M. M. Potrebić, D. V. Tošić, “Compact H-plane dual-band bandstop waveguide filter”, Journal of Computational Electronics, vol. 16, no. 3, pp 939–951, 2017. DOI: 10.1007/s10825-017-1025-4, Print ISSN: 1569-8025, Online ISSN: 1572-8137, IF(2017): 1.431 M23 (2011-2016: M22).	M22

10	A. M. Plazinić, M. M. Potrebić, D. V. Tošić, “Compact microwave multilayer dual-band bandpass filter with folded dual-mode resonators”, Journal of Optoelectronics and Advanced Materials, vol. 19, no. 5–6, pp. 352–358, May–June 2017. Print ISSN: 1454-4164, Online ISSN: 1841-7132, IF (2017): 0.390, M23.	M23
11	M. Mrvić, M. Potrebić, D. Tošić, "Compact E-plane waveguide filter with multiple stopbands", Radio Science, vol. 51, no. 12, pp. 1895–1904, Dec. 2016. doi: 10.1002/2016RS006169 M22	M22
12	S. Lj. Stefanovski Pajović, M. M. Potrebić, D. V. Tošić, Z. Ž. Cvetković, "Fabrication parameters affecting implementation of waveguide bandpass filter with complementary split-ring resonators", Journal of Computational Electronics, vol. 15, no. 4, pp. 1462–1472, Dec. 2016, doi: 10.1007/s10825-016-0909-z M22	M22
13	S. Stefanovski, M. Potrebić, D. Tošić, Z. Stamenković, "Compact dual-band bandpass waveguide filter with H-plane inserts", Journal of Circuits, Systems, and Computers, vol. 25, no. 3, pp. 1640015 (18 pages), 2016. doi: 10.1142/S0218126616400156 M23	M23
14	M. Andjelić, E. Andrade, D. M. Cardoso, C. M. da Fonseca, S. K. Simić, D. V. Tošić, "Some new considerations about double nested graphs", Linear Algebra and its Applications, vol. 483, pp. 323–341, Oct. 2015. M21	M21
15	M. Potrebić, D. Tošić, "Application of memristors in microwave passive circuits", Radioengineering, vol. 24, no. 2, pp. 408–419, June 2015. [online] http://www.radioeng.cz/papers/2015-2.htm M23	M23
16	D. A. Nešić, B. M. Kolundžija, D. V. Tošić, D. S. Jeremić, "Low-pass filter with deep and wide stop band and controllable rejection bandwidth", International Journal of Microwave and Wireless Technologies, vol. 7, no. 2, pp. 141–149, April 2015. M23	M23
17	D. Miljanović, M. Potrebić, D. V. Tošić, "Design of microwave multibandpass filters with quasilumped resonators", Mathematical Problems in Engineering, vol. 2015, Article ID 647302 (14 pages) 2015. doi:10.1155/2015/647302 M23	M23
18	S. Lj. Stefanovski, M. M. Potrebić, D. V. Tošić, "A novel design of E-plane bandstop waveguide filter using quarter-wave resonators", Optoelectronics and Advanced Materials – Rapid Communications, vol. 9, no. 1-2, pp. 87–93, Jan.-Feb. 2015. M23	M23
19	S. Lj. Stefanovski, M. M. Potrebić, D. V. Tošić, "A novel design of dual-band bandstop waveguide filter using split ring resonators", Journal of Optoelectronics and Advanced Materials, vol. 16, no. 3-4, pp. 486–493, March-April 2014. M23	M23
20	D. M. Miljanović, M. M. Potrebić, D. V. Tošić, Z. Stamenković, "Design of miniaturized bandpass filters using quasi-lumped multilayer resonators", Journal of Circuits, Systems, and Computers, vol. 23, no. 6, pp. 1450083 (21 pages), July 2014. M23	M23

Collective data of scientific teacher activities

Total number of citations, without auto-citations	317	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	45	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

M. D. Lutovac, D. V. Tošić, B. L. Evans, Filter Design for Signal Processing using MATLAB and Mathematica, Prentice Hall, Upper Saddle River, NJ, 2001. ISBN 0-201-36130-2 (785 pages, English) Reprint by Publishing House of Electronics Industry (PHEI), Beijing, China, 2002. ISBN 7-5053-7977-1
Translated in Chinese, Publishing House of Electronics Industry (PHEI), Beijing, China, 2004. ISBN 7-5053-8710-3

SchematicSolver, техничко решење M81, SchematicSolver 2.3, A Mathematica package for mixed symbolic-numeric analysis, processing, and design of analog and digital systems, distributed by Wolfram Research, Inc. 2014. http://www.wolfram.com/products/applications/schematicsolver/

M. M. Potrebić, D. V. Tošić, Microwave Memristive Components for Smart RF Front-end Modules, in Mem-elements for Neuromorphic Circuits with Artificial Intelligence Applications, eds. C. Volos and V.-T. Pham, Chap. 4, Academic Press, Elsevier, London, 2021, pp. 67-98. https://doi.org/10.1016/B978-0-12-821184-7.00012-8, M13

M. Potrebić, D. Tošić and D. Biolek, RF/microwave applications of memristors, in Advances in Memristors, Memristive Devices and Systems, eds. S. Vaidyanathan and C. Volos, Chap. 7, Springer, Cham, Switzerland, 2017, pp. 159-185.https://doi.org/10.1007/978-3-319-51724-7_7, M13

M. Potrebić, Д. Тошић, Пројектовање микроталасних филтара, Академска мисао, 2019. ISBN 978-86-7466-781-1, уџбеник, бр. страна 429

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Trifunović Jovan
Teaching position	associate professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power Converters and Drives
Doctoral degree	2016.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Power Engineering
Specialization				
MSc/MA degree	2009.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Alternative Energy Sources
Master's degree				
Bachelor diploma	2003.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power Systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Influence of the correlated colour temperature of LEDs in the range of 3000–4000 K on efficiency and comfort of office work	Milica Spasić (Jevtić)	2022	-
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	N. Hadziefendic, N. Kostic, J. Trifunovic, M. Kostic, Detection of poor contacts in low-voltage electrical installations, IEEE Transactions on Components, Packaging and Manufacturing Technology, Vol. 9, 2019, pp. 129–137 (ISSN 2156-3950, IF (2019) = 1.889, M22, DOI: 10.1109/TCPMT.2018.2882626, https://ieeexplore.ieee.org/document/8542771).	M22
2	N. Hadziefendic, J. Trifunovic, M. Kostic, Effects of a reduced torque on heating of electrical contacts in plugs and receptacles, IEEE Transactions on Components, Packaging and Manufacturing Technology, Vol. 8, 2018, pp. 1905–1913 (ISSN 2156-3950, IF (2018) = 1.860, M22, DOI: 10.1109/TCPMT.2018.2827080, https://ieeexplore.ieee.org/document/8354946).	M22
3	J. Trifunović, A mathematical method for determining optimal quantity of backfill materials used for grounding resistance reduction, Mathematical Problems in Engineering, Vol. 2018, 2018, Article ID 4863702, 9 pages (ISSN 1024-123x, IF (2018) = 1.179, M22, DOI: 10.1155/2018/4863702, https://www.hindawi.com/journals/mpe/2018/4863702/).	M22

4	J. Trifunovic, M. Kostic, Quick calculation of the grounding resistance of a typical 110 kV transmission line tower grounding system, Electric Power Systems Research, Vol. 131, 2016, pp. 178–186 (ISSN 0378-7796, IF (2016) = 2.688, M21, DOI: 10.1016/j.epsr.2015.10.014, http://www.sciencedirect.com/science/article/pii/S0378779615003107).	M21
5	J. Trifunovic, M. Kostic, An algorithm for estimating the grounding resistance of complex grounding systems including contact resistance, IEEE Transactions on Industry Applications, Vol. 51, 2015, pp. 5167–5174 (ISSN 0093-9994, IF (2015) = 2.046, M21, DOI: 10.1109/TIA.2015.2429644, http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7101848).	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	112	Number of local projects in which the teacher is currently participating	5
Total number of papers on the SCI (SSCI) list	10	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Vasić Borislav
Teaching position	research professor
Narrow scientific (artistic) field	materials science, surface science, photonics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	12/22/2023.	Institute of Physics Belgrade	materials science, surface science, photonics	
Doctoral degree	12/27/2012.	University of Belgrade - School of Faculty of Electrical Engineering	nanoelectronics and photonics	
Specialization				
MSc/MA degree				
Master's degree	09/26/2005.	University of Novi Sad - Faculty of Technical Sciences	microcomputer electronics	
Bachelor diploma				

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in t

O.n.	Dissertation title	Name and surname of a	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	B. Vasić, I. Milošević, Z. Konstantinović, M. Ognjanović, A. Pomar, "Nanoscale structural superlubricity in solution-processed graphene films via tribo-induced transfer layers", Carbon 244, 120697 (2025)	M21
2	B. Stojadinović, I. Popov, B. Vasić, D. Pjević, M. Rosić, N. Tadić, Z. Dohčević-Mitrović, "Unraveling the effects of terbium doping on the electronic structure and conductivity of BiFeO3 thin films", Appl. Surf. Sci. 710, 163753 (2025)	M21
3	Borislav Vasić, Sonja Aškrabić, "Thickness measurement of thin films using atomic force microscopy based scratching", Surf. Topogr. Metrol. Prop. 12, 025027 (2024)	M22
4	B. Vasić, R. Gajić, I. Milošević, Ž. Medić, M. Blagojev, M. Opačić, A. Kremenović, D. Lazić, “Natural two-dimensional pyrophyllite: Nanoscale lubricant, electrical insulator and easily-machinable material”, Appl. Surf. Sci. 608, 155114 (2023)	M21
5	D. Karačić, S. J. Gutić, B. Vasić, V. M. Mirsky, N. V. Skorodumova, S. V. Mentus, I. A. Pašti, "Electrochemical reduction of thin graphene-oxide films in aqueous solutions–Restoration of conductivity", Electrochim. Acta 410, 140046 (2022)	M21

6	B. Vasić, U. Ralević, S. Aškrabić, D. Čapeta, M. Kralj, "Correlation between morphology and local mechanical and electrical properties of van der Waals heterostructures", Nanotechnology 33, 155707 (2022)	M21
7	B. Vasić, C. Czibula, M. Kratzer, B. R. A. Neves, A. Matković, C. Teichert, “Two-dimensional talc as a van der Waals material for solid lubrication at the nanoscale”, Nanotechnology 32, 265701 (2021)	M21
8	B. Vasić, S. Aškrabić, M. M. Jakovljević, M. Artemyev, "Local electrical properties and charging/discharging of CdSe/CdS core-shell nanoplatelets", Appl. Surf. Sci. 513, 145822 (2020)	M21
9	I. R. Milošević, B. Vasić, A. Matković, J. Vujin, S. Aškrabić, M. Kratzer, T. Griesser, C. Teichert, R. Gajić, "Single-step fabrication and work function engineering of Langmuir-Blodgett assembled few-layer graphene films with Li and Au salts", Sci. Rep. 10, 8476 (2020)	M21
10	B. Vasić, U. Ralević, K. Cvetanović Zobenica, M. M. Smiljanić, R. Gajić, M. Spasenović, S. Vollebregt, "Low-friction, wear-resistant, and electrically homogeneous multilayer graphene grown by chemical vapor deposition on molybdenum", Appl. Surf. Sci. 509, 144792 (2020)	M21
11	M. Miletić, S. Aškrabić, J. Rüger, B. Vasić, L. Korićanac, A. Saif Mondol, J. Dellith, J. Popp, I. W. Schie, Z. Dohčević-Mitrović, "Combined Raman and AFM detection of changes in HeLa cervical cancer cells induced by CeO2 nanoparticles–molecular and morphological perspectives", Analyst 145, 3983-3995 (2020)	M21
12	V. Fuentes, B. Vasić, Z. Konstantinović, B. Martínez, Ll. Balcells, A. Pomar, "Resistive Switching in Semimetallic SrIrO3 Thin Films", ACS Appl. Electron. Mater. 9, 1981-1988 (2020)	M22
13	B. Vasić, Z. Konstantinović, E. Pannunzio-Miner, S. Valencia, R. Abrudan, R. Gajić, A. Pomar, "Nanoscale mechanical control of surface electrical properties of manganite films with magnetic nanoparticles", Nanoscale Adv. 1, 1763-1771 (2019)	M22
14	B. Vasić, I. Stanković, A. Matković, M. Kratzer, C. Ganser, R. Gajić, C. Teichert, “Molecules on rails: friction anisotropy and preferential sliding directions of organic nanocrystallites on two-dimensional materials”, Nanoscale 10, 18835-18845 (2018)	M21
15	B. Vasić, A. Matković, U. Ralević, M. Belić, R. Gajić, "Nanoscale wear of graphene and wear protection by graphene", Carbon 120, 137 (2017)	M21
16	B. Vasić, A. Zurutuza, R. Gajić, "Spatial variation of wear and electrical properties across wrinkles in chemical vapour deposition graphene", Carbon 102, 304 (2016)	M21
17	B. Vasić, A. Matković, R. Gajić, I. Stanković, "Wear properties of graphene edges probed by atomic force microscopy based lateral manipulation", Carbon 107, 723 (2016)	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	1893	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	78	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Vujisić Miloš
Teaching position	Full Professor
Narrow scientific (artistic) field	Nuclear Engineering

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Nuclear Engineering
Doctoral degree	2008.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	
Specialization				
MSc/MA degree	2006.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	
Master's degree				
Bachelor diploma	1999.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Radiation effects in phase change memories	Nevena Zdjelarević	2013	2016
2	Modification of carbon nanocomposites by electromagnetic radiation for biomedical application	Milica Budimir	2018	2020
3	Composite reservoirs with crosslinked poly(acrylic acid) hydrogel for controlled drug delivery via nonspecific electrical interactions	Željko Janićijević	2019	2020
4	Radiation Stability of Polymer, Geopolymer and Composite Materials for Applications in Radioactive Waste Management	Milan Vujović	2018	2022
5	Multiscale Monte Carlo simulations in metal nanoparticle enhanced photon radiotherapy	Slobodan Milutinović	2020	2024
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Slobodan Milutinović, Mila Pandurović, **Miloš Vujisić**, Influence of Gold Nanoparticle Shape and Single-Cell Localization on Energy Deposition Efficiency and Irradiation Specificity in Photon Radiotherapy, Nanomaterials and Nanotechnology, Vol. 2023, No. Article ID 98416, 2023 doi:10.1155/2023/9841614	M22
2	Milan Vujović, **Miloš Vujisić**, Radiation Compatibility of Geopolymer, Polymer, and Composite Materials for Use as Inner Shielding in Radioactive Waste Containers - A Simulation-Based Study, NUCLEAR TECHNOLOGY, Vol. 208, No. 11, pp. 1649 - 1665, 2022 doi:10.1080/00295450.2022.2070354	M22
3	Milan Vujović, **Miloš Vujisić**, Applicability of polymer and composite inner linings in containers for borehole disposal of sealed radioactive sources - A simulation-based study of radiation effects, PROGRESS IN NUCLEAR ENERGY, Vol. 137, No. 103793, pp. 1 - 11, Jul, 2021 doi:10.1016/j.pnucene.2021.103793	M21

4	Marko Krajinović, **Miloš Vujisić**, Olivera Ciraj-Bjelac, Uncertainty associated with the use of software solutions utilizing DICOM RDSR for skin dose assessment in interventional radiology and cardiology, RADIATION PROTECTION DOSIMETRY, Vol. 196, No. 3-4, pp. 129 - 135, Nov, 2021 doi:10.1093/rpd/ncab146	M23
5	Slobodan Milutinović, **Miloš Vujisić**, Simulation-based correction of dose enhancement factor values in photon brachytherapy with metal nanoparticle targeting, NUCLEAR SCIENCE AND TECHNIQUES, Vol. 31, No. 114, pp. 1 - 14, 2020 doi:10.1007/s41365-020-00820-8	M21a
6	M. Budimir, Z. Markovic, D. Jovanovic, **M. Vujisic**, M. Micusik, M. Danko, A. Kleinova, H. Svajdlenkova, Z. Spitalsky, B. Todorovic-Markovic, Gamma ray assisted modification of carbon quantum dot/polyurethane nanocomposites: structural, mechanical and photocatalytic study, RSC ADVANCES, Vol. 9, No. 11, pp. 6278 - 6286, 2019	M22
7	N. Zdjelarević, **M. Vujisić**, TID and NIEL Assessment in Alpha Irradiated Phase Change Memory Cells Based on Simulations, JOURNAL OF OVONIC RESEARCH, Vol. 11, No. 4, pp. 175 - 182, 2015	M23
8	V. Antić, K. Stanković, **M. Vujisić**, P. Osmokrović, Comparison of various methods for designing the shielding from ionizing radiation at PET-CT Installations, RADIATION PROTECTION DOSIMETRY, Vol. 154, No. 2, pp. 245 - 249, 2013	M23
9	**M. Vujisić**, K. Stanković, P. Osmokrović, A statistical analysis of measurement results obtained from nonlinear physical laws, APPLIED MATHEMATICAL MODELLING, Vol. 35, pp. 3128 - 3135, 2011	M21
10	**M. Vujisić**, K. Stanković, N. Marjanović, P. Osmokrović, Simulated Effects of Proton and Ion Beam Irradiation on Titanium Dioxide Memristors, IEEE TRANSACTIONS ON NUCLEAR SCIENCE, Vol. 57, No. 4, pp. 1798 - 1804, 2010	M21

Collective data of scientific teacher activities

Total number of citations, without auto-citations	750	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	55	Number of international projects in which the teacher is currently participating	0

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Vujnović Sanja
Teaching position	associate professor
Narrow scientific (artistic) field	Automation

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2024.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Doctoral degree	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Automation
Specialization				
MSc/MA degree	2011.	Imperial /college London		Automation
Master's degree				
Bachelor diploma	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in th

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	S. Vujnović, A. Marjanović, Ž. Đurović, Acoustic contamination detection using QQ-plot based decision scheme, MECHANICAL SYSTEMS AND SIGNAL PROCESSING, Vol. 116, pp. 1 - 11, Feb, 2019 doi:10.1016/j.ymssp.2018.06.040	M21a
2	J. Lazić, S. Vujnović, Influence of the surprisal power adjustment on spoken word duration in emotional speech in Serbian, COMPUTER SPEECH & LANGUAGE, Vol. 93, 2025	M22
3	М. Радоњић, С. Вујновић, А. Krstić, Ж. Зечевић, IoT System for Detecting the Condition of Rotating Machines Based on Acoustic Signals, Applied Sciences, pp. 4385.1 - 4385.23, Apr, 2022 doi:10.3390/app12094385	M21
4	S. Vujnović, Ž. Đurović, G. Kvaščev, Fan mill state estimation based on acoustic signature analysis, CONTROL ENGINEERING PRACTICE, Vol. 57, pp. 29 - 38, 2016 doi:10.1016/j.conengprac.2016.08.013	M21
5	A. Al-Hasaeri, А. Марјановић, П. Тадић, С. Вујновић, Ž. Đurović, Probability of detection and clutter rate estimation in target tracking systems: generalised maximum likelihood approach, IET RADAR SONAR AND NAVIGATION, Vol. 13, No. 11, pp. 1963 - 1973, Nov, 2019 doi:10.1049/iet-rsn.2019.0064	M22

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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	47	Number of local projects in which the teacher is currently participating	0
Total number of papers on the SCI (SSCI) list	7	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Vukosavić Slobodan
Teaching position	full professor
Narrow scientific (artistic) field	Power converters and drives

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2004.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Doctoral degree	1989.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Specialization				
MSc/MA degree	1987.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives
Master's degree				
Bachelor diploma	1985.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Power converters and drives

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Determination of the temperature and resistance of the rotor winding of an asynchronous machine based on the analysis of stator voltages and currents	Nikola Popov	2012	2015
2	Design of asynchronous machines with low inertia and high speed	Mladen Terzić	2012	2015
3	Switched reluctance motors with bipolar currents	Dragan Mihić	2011	2017
4	Mathematical modeling and suppression of electromechanical waves in large power systems	Aco Marković	2024	2025
5	Computer-aided optimal design of synchronous motors with permanent magnets	Đorđe Lekić	2022	
6	Development and application of a new approach to the design of asynchronous machines with increased efficiency and higher specific power	Petar Jerkan	2019	
7	High-voltage resonant DC power converters with subresonant switching frequency	Nikola Lepojević	2019	
8	Control of asynchronous machines based on rotor slot harmonics	Aleksandar Milić	2023	2024
9	DC power converters voltage with resonant circuits and subresonant switching frequency	Petar Marković	2018	
10				

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors		Category
1	Vukosavić, Slobodan N.. "Minerals for the green agenda, implications, stalemates, and alternatives" Open Geosciences, vol. 17, no. 1, 2025, pp. 20250813. https://doi.org/10.1515/geo-2025-0813		M22
2	A. R. Milić and S. N. Vukosavić, "Sensorless Control of Induction Motor Based on Rotors Slot Harmonics and Digital Adaptive Filters," in IEEE Transactions on Industry Applications, vol. 60, no. 3, pp. 3950-3963, May-June 2024, doi: 10.1109/TIA.2024.3365086.		M21a
3	L. S. Perić, E. Levi and S. N. Vukosavić, "Compound Feedback for Current-Controlled Grid-Side Inverters With LCL Filters," in IEEE Transactions on Power Electronics, vol. 40, no. 2, pp. 3005-3019, Feb. 2025, doi: 10.1109/TPEL.2024.3487109.		M21a

4	M. G. Joksimović, L. S. Perić and S. N. Vukosavić, "Closed-Loop Harmonic Suppression for Grid Connected 3-Phase PWM Inverters," in IEEE Transactions on Power Electronics, vol. 39, no. 2, pp. 2677-2691, Feb. 2024, doi: 10.1109/TPEL.2023.3332819.		M21a
5	Slobodan N. Vukosavic and Aleksandar M. Stankovic, "Non-Intrusive Estimation of Single-Port Thevenin Equivalents in AC Grids," in IEEE Transactions on Power Delivery, vol. 36, no. 5, pp. 2794-2803, Oct. 2021.		M21a
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	3734	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	88	Number of international projects in which the teacher is currently participating	7

Professional training
yes

Other relevant data
no

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Vuković Nikola
Teaching position	assistant professor
Narrow scientific (artistic) field	Physical electronics

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2021.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Doctoral degree	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Specialization				
MSc/MA degree				
Master's degree	2013.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics
Bachelor diploma	2012.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Physical electronics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher in the p

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Modeling of quantum nanostructures based on wide bandgap oxide semiconductors	Aleksandar Atić	2022	2025
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not more

O.n.	Reference titles and authors	Category
1	N. Stanojević, A. Demić, N. Vuković, P. Dean, Z. Ikonić, D. Indjin, J. Radovanović, Derivative transfer matrix method: Machine precision calculation of electron structure and interface phonon dispersion in semiconductor heterostructures, Computer Physics Communications, Vol. 311, 2025.	M21a+
2	N Stanojević, A Demić, N Vuković, P Dean, Zoran Ikonić, Dragan Indjin, Jelena Radovanović, “Effects of background doping, interdiffusion and layer thickness fluctuation on the transport characteristics of THz quantum cascade lasers“, Scientific Reports 14 (1), 5641 (2024).	M21
3	A. Atić, X. Wang, N. Vuković, N. Stanojević, A. Demić, D. Indjin and J. Radovanović, „Resonant Tunnelling and Intersubband Optical Properties of ZnO/ZnMgO Semiconductor Heterostructures: Impact of Doping and Layer Structure Variation, Materials 17 (4), 927, 2024.	M21
4	N. Stanojević, N. Vuković , J. Radovanović, “ Calculation of intersubband absorption in n doped BaSnO3 quantum wells”, Optical and Quantum Electronics, 55:383, 2023.	M21

5	N. Vuković , J. Radovanović, V. Milanović, “Refined modelling of anisotropy influence on the optical gain in Mid-IR quantum cascade lasers”, Optical and Quantum Electronics, 54:380, 2022.	M21
6	A. Atić, N. Vuković , J. Radovanović, “Calculation of intersubband absorption in ZnO/ZnMgO asymmetric double quantum wells”, Optical and Quantum Electronics, 54:810, 2022.	M22
7	A. Gajic, J. Radovanović, N. Vuković, V. Milanović, D. Boiko, “Theoretical approach to quantum cascade micro-laser broadband multimode emission in strong magnetic fields”, Physics Letters A, Vol. 387, No. 127007, pp. 1 - 9, 2021	M22
8	N. Vuković, J. Radovanović, V. Milanović, D. L. Boiko, “Numerical study of Risken–Nummedal–Graham–Haken instability in mid-infrared Fabry–Pérot quantum cascade lasers,” Optical and Quantum Electronics 52:91, (2020)	M22
9	N. Vuković, J. Radovanović, V. Milanović, D. L. Boiko „Low-threshold RNGH Instabilities in Quantum Cascade Lasers“, IEEE Journal of Selected Topics in Quantum Electronics, Vol. 23, pp. 1200616-1200616, 2017.	M21a
10	N. Vuković, J. Radovanović, V. Milanović, D. L. Boiko „Analytical expression for Risken-Nummedal-Graham-Haken instability threshold in quantum cascade lasers“, Optics Express, Vol. 24, pp. 26911-26929, 2016.	M21
11	M. Dubajić, A. Daničić, N. Vuković, V. Milanović, and J. Radovanović, “Optimization of cubic GaN/AlGaN quantum cascade structures for negative refraction in the THz spectral range,” Optical and Quantum Electronics 50 (10), p. 373 (2018).	M22
12	N. Vuković, V. Milanović, J. Radovanović, D. Boiko, Multimode RNGH instabilities of Fabry -- Perot cavity QCLs: impact of diffusion, OPTICAL AND QUANTUM ELECTRONICS, Vol. 48, pp. 254/1-254/10, 2016.	M22
13	N. Vuković, A. Daničić, J. Radovanović, V. Milanović, D. Indjin, Possibilities of achieving negative refraction in QCL-based semiconductor metamaterials in the THz spectral range, OPTICAL AND QUANTUM ELECTRONICS, Vol. 47, pp. 883-891, 2015. doi:10.1007/s11082-	M22
14	N. Vuković, J. Radovanović, V. Milanović, Enhanced modeling of band nonparabolicity with application to a mid-IR quantum cascade structure, PHYSICA SCRIPTA, Vol. T162, pp. 014014/1-014014/4, Sep, 2014.	M22
15	N. Vuković, V. Milanović, J. Radovanović, Influence of nonparabolicity on electronic structure of quantum cascade laser, PHYSICS LETTERS A, Vol. 378, pp. 2222-2225, 2014. doi:10.1016/j.physleta.2014.04.069	M21
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Collective data of scientific teacher activities

Total number of citations, without auto-citations	107	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	15	Number of international projects in which the teacher is currently participating	1

Professional training

Other relevant data

Visiting Research Fellow in the University of Leeds, School of Electronic and Electrical Engineering, Faculty of Engineering and Physical Sciences from 10 October 2022 to 9 October 2025.

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Vuletić Pavle
Teaching position	full professor
Narrow scientific (artistic) field	Computer engineering and information technology

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching position	2025.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Doctoral degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computing	Computer engineering and information technology
Specialization				
MSc/MA degree	2001.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Computer engineering and information technology
Master's degree				
Bachelor diploma	1996.	University of Belgrade - School of Electrical Engineering	Electrical Engineering	Electronics, Telecommunication, Automatics

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher i

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Early discovery of the devices infected with botnet malware using network flow anomaly detection	Đorđe Jovanović	2021	2025
2	Prevention of Data Exfiltration Using DNS Infrastructure	Kristijan Žiža	2023	
3	Mechanisms for Network Layer Privacy Protection	Marko Mićović	2024	
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Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	Ђ. Јовановић, P. Vuletić, Machine learning pipelines for IoT botnet detection and behavior characterization in heavily imbalanced settings, SIGNAL IMAGE AND VIDEO PROCESSING, Vol. 19, Jan, 2025	M22
2	D. Miladinović, A. Milaković, M. Vukasović, Ž. Stanisavljević, P. Vuletić, Secure Multiparty Computation Using Secure Virtual Machines, Electronics , Vol. 13, No. 5, pp. 1 - 25, Mar, 2024	M22
3	M. Ogrizović, P. Vuletić, Ž. Stanisavljević, Advanced Network and System Security Teaching, Electronics , Vol. 14, No. 1, 2024	M22
4	P. Vuletić, Ђ. Јовановић, PI-BODE: Programmable Intraflow-based IoT Botnet Detection system, COMPUTER SCIENCE AND INFORMATION SYSTEMS - COMSIS, 2023	M22

5	B. Rajić, Ž. Stanisavljević, P. Vuletić, Early web application attack detection using network traffic analysis, INTERNATIONAL JOURNAL OF INFORMATION SECURITY, Vol. 22, No. 1, pp. 77 - 91, Feb, 2023	M21
6	К. Жижа, П. Тадић, P. Vuletić, DNS exfiltration detection in the presence of adversarial attacks and modified exfiltrator behaviour, INTERNATIONAL JOURNAL OF INFORMATION SECURITY, Vol. 22, pp. 1865 - 1880, 2023	M21
7	M. Mićović, U. Radenković, P. Vuletić, Network Layer Privacy Protection Using Format-Preserving Encryption, Electronics , Vol. 12, No. 23, pp. 1 - 21, Nov, 2023	M22
8	P. Vuletić, B. Bosak, M. Dimolianis, P. Merindol, D. Schmitz, H. Wessing, Localization of network service performance degradation in multi-tenant networks, COMPUTER NETWORKS-THE INTERNATIONAL JOURNAL OF COMPUTER AND TELECOMMUNICATI, Vol. 168, pp. 1 - 13, Feb, 2020	M21
9	Z. Stanisavljevic, P. Vuletic, Adding practical experience to computer security course, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 26, No. 2, pp. 384 - 392, Mar, 2018	M22
10	V. Blagojević, D. Bojić, M. Bojović, M. Cvetanović, J. Đorđević, Đ. Đurđević, B. Furlan, S. Gajin, Z. Jovanović, D. Milićev, V. Milutinović, B. Nikolić, J. Protić, M. Punt, Z. Radivojević, Ž. Stanisavljević, S. Stojanović, I. Tartalja, M. Tomašević, P. Vuletić, A Systematic Approach to Generation of New Ideas for PhD Research in Computing, ADVANCES IN COMPUTERS, Vol. 104, pp. 1 - 31, Feb, 2017	M22
11	О. Јолџић, З. Ђурић, P. Vuletić, A transparent and scalable anomaly-based DoS detection method, COMPUTER NETWORKS-THE INTERNATIONAL JOURNAL OF COMPUTER AND TELECOMMUNICATI, Vol. 104, pp. 27 - 42, Jul, 2016	M21
12	P. Vuletić, J. Vuleta-Radoičić, D. Kalogeras, Federated trouble ticket system for service management support in loosely coupled multi-domain environments, INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, Vol. 25, No. 2, pp. 95 - 112, Mar, 2015	M23
13	Z. Stanisavljevic, J. Stanisavljevic, P. Vuletic, Z. Jovanovic, COALA - System for Visual Representation of Cryptography Algorithms, IEEE TRANSACTIONS ON LEARNING TECHNOLOGIES, Vol. 7, No. 2, pp. 178 - 190, Jun, 2014	M21
14	Pavle V. Vuletić, Jelica Ž. Protić, Self-similar cross-traffic analysis as a foundation for choosing among active available bandwidth measurement strategies, COMPUTER COMMUNICATIONS, Vol. 34, No. 10, pp. 1145 - 1158, Jul, 2011	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	173	Number of local projects in which the teacher is currently participating	1
Total number of papers on the SCI (SSCI) list	14	Number of international projects in which the teacher is currently participating	1

Professional training
ITILv4 Managing Professional

Other relevant data
Deputy chief of the Department of Computer Science and Information Technology (2024-)
Member (2018.-present) of Doctoral studies commision at School of Electrical Engineering

Scientific qualifications of doctoral studies' supervisors and their teaching assignment

Surname and name	Žarković Mileta
Teaching position	associate professor
Narrow scientific (artistic) field	Electrical power systems

Academic career

	Year	Institution	Scientific field	Narrow scientific field
Promotion to teaching pos	2023.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Doctoral degree	2018.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Specialization				
MSc/MA degree				
Master's degree	2011.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems
Bachelor diploma	2010.	University of Belgrade - School of Electrical Engineering	Electrical Engineering and Computer Science	Electrical power systems

The list of doctoral dissertations supervised by the teacher or which have been supervised by the teacher

O.n.	Dissertation title	Name and surname of a candidate	Registration year	Year of defending
1	Synchronous Generators Electrical Insulation System Condition Diagnostic Based on Artificial Intelligence	Denis Ilic	2022	2022
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5				
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8				
9				
10				

Papers in scientific journals in the field of the curriculum from the official list of the competent ministry for science in accordance with the supplementary standard requirements for the given field (minimum 5, not

O.n.	Reference titles and authors	Category
1	A. Милићевић, S. Belošević, M. Žarković, I. Tomanović, N. Crnomarković, A. Stojanović, G. Stupar, L. Deng, D. Che, Effects of biomass particles size and shape on combustion process in the swirl-stabilized burner reactor: CFD and machine learning approach, BIOMASS & BIOENERGY, Vol. 174, Jul, 2023	M21a
2	M. Bjelić, B. Brković, M. Žarković, T. Miljković, Fault detection in a power transformer based on reverberation time, International Journal of Electrical Power & Energy Systems, Vol. 137, pp. 1 - 8, Dec, 2021 doi:10.1016/j.ijepes.2021.107825	M21
3	A. Милићевић, з. Марковић, С. Белошевић, М. Ерић, М. Žарковић, А. Маринковић, Influence of fuel and operation mode on air pollutants emission from pulverized coal-fired power plant: Field experiments and ML predictions, Thermal Science and Engineering Progress, Dec, 2024	M21a

4	M. Bjelić, B. Brković, M. Žarković, T. Miljković, Machine learning for power transformer SFRA based fault detection, International Journal of Electrical Power & Energy Systems, Vol. 156, Jan, 2024	M21
5	Ж. Соколовић, M. Žarković, Fault detection, classification and localization in HV power transmission lines using ANN, ELECTRIC POWER SYSTEMS RESEARCH, Vol. 248, Nov, 2025	M21
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Collective data of scientific teacher activities			
Total number of citations, without auto-citations	402	Number of local projects in which the teacher is currently participating	2
Total number of papers on the SCI (SSCI) list	26	Number of international projects in which the teacher is currently participating	2

Professional training

Other relevant data