



# 5<sup>TH</sup> E-Mobility Forum

## Challenges & Solutions

**BELGRADE 6-7/10/2022**  
FACULTY OF MECHANICAL ENGINEERING

**NAAEV /** National Association of Autonomous and Electric Vehicles  
& **UNIVERSITY OF BELGRADE:**

- FACULTY OF MECHANICAL ENGINEERING (MAS)
- FACULTY OF TRANSPORT AND TRAFFIC ENGINEERING (SF)
- SCHOOL OF ELECTRICAL ENGINEERING (ETF)



Honorary Patronage:

Ministry of Education, Science and Technological Development  
Ministry of Construction, Transport and Infrastructure

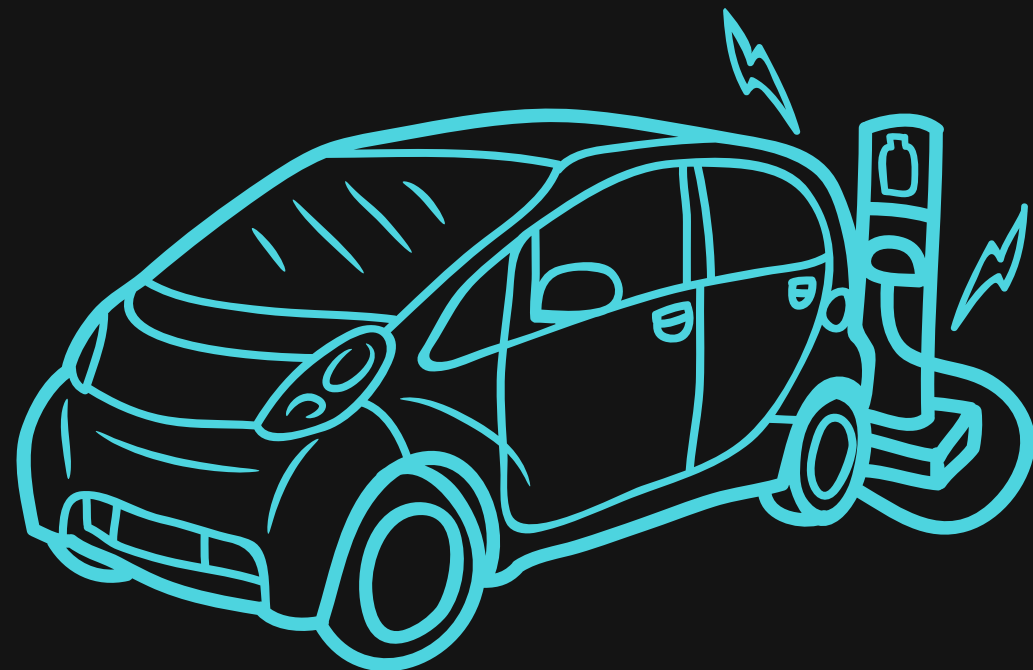
General sponsors:



# 2 DAYS

CONFERENCE / EXHIBITION / NETWORKING

- **120+ Attendees**
- **20+ Speakers**
- **6+ Countries**



## Outdoor Exhibition

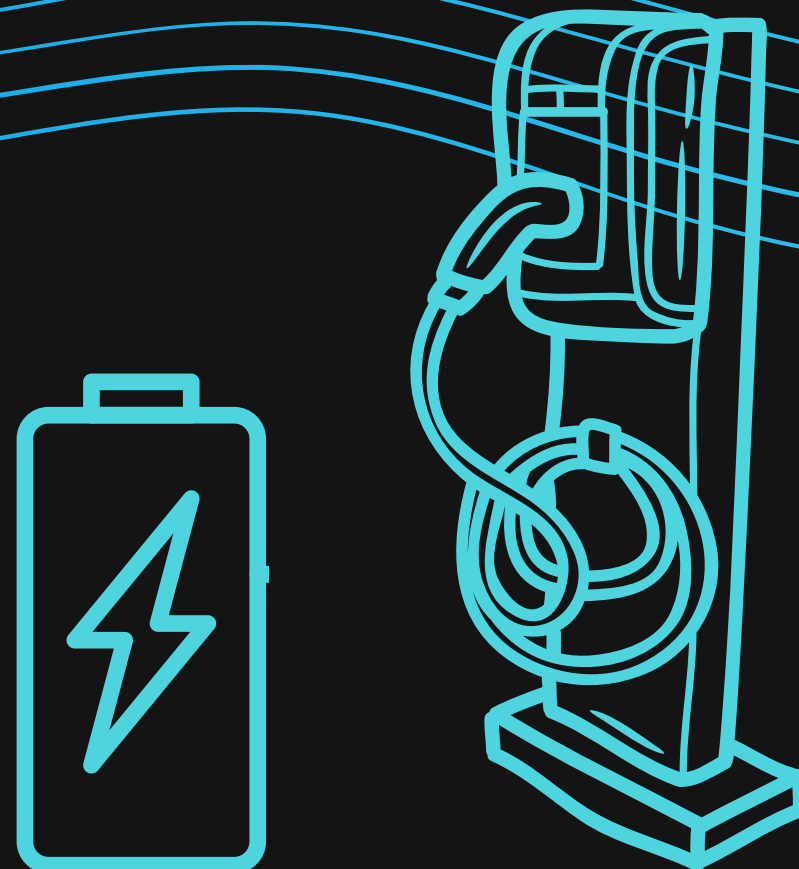
- **Electric Vehicles**
- **Charging station**
- **Parts / components**

# DAY 1



## ELECTRIC VEHICLES

- Issues, challenges & lessons learnt
- Future public and private EVs strategy in Serbia
- Micro-mobility & active travel trend



## INFRASTRUCTURE

- Robust charging point network deployment
- Smart charging implementation
- BESS benefits for charging stations



## ENERGY

- Transition to cleaner energy
- Smart grid benefits
- Value of DER to the grid

# PROGRAM

## Day 1



Part 1

GATHERING - 09.30 AM

### OPENING - 10.00 AM

- NAAEV (**CHAIRMAN OF THE BOARD - I. VULOVIC**)
- Faculty of Mechanical Engineering (**DEAN PROF. DR. V. POPOVIC**)
- Ministry of Education, Science and Technological Development (**STATE SECRETARY - PROF. DR. I. RADOVIC**)
- Ministry of Construction, Transport and Infrastructure (**DEPUTY MINISTER - M. PETROVIC**)
- ABB Serbia (**DIRECTOR - A. COSIC**)

### URBAN MOBILITY - 10.30 AM

- EIT Urban Mobility activities (**EIT UM RIS MANAGER- B. HUBA - HU**)
- Automotive transition (**MAS - DEAN PROF. DR. V. POPOVIC - SRB**)
- Experience in the region (**BAEPS - M. ZAIMOV - BG**)

### PATHWAY TO E-MOBILITY 2030 - 11.15 AM

- Serbia-Belgrade/World Bank-NAAEV (**WB - DR. S. VUKANOVIC - SRB**)  
(**NAAEV - D. IGNJATOVIC - SRB**)

### 5G R&D TEST CENTER

### FOR AUTONOMOUS VEHICLES & DRONES - 11.35 AM

- NAAEV - D. JAKSIC
- FACULTY OF MECHANICAL ENGINEERING - D. STAMENKOVIC
- FACULTY OF TRANSPORT AND TRAFFIC ENGINEERING - PROF. DR. V. MOMCILOVIC
- SCHOOL OF ELECTRICAL ENGINEERING - PROF. DR. A. NESKOVIC

COFFEE BREAK - 12.00AM

# PROGRAM

## Day 1



Part 2

### ACADEMY/ INSTITUTES - 12.15 AM

- MAS / ETF / TMF - E-Formula (**ROAD ARROW - B. CARAPIC- SRB**)
- E-DRIVE for E-bicycle (**H-BRIDGES - N. JOKIC/A. KRIVOSIC- SRB**)
- Vtol aircraft KOS and its importance (**BEOAVIA - A. VULETIC - SRB**)
- How far are we from smart transport in smart cities? (**BME - PROF. DR. V. SIMON - HU**)
- ASPIRE project (**UC BOULDER - PROF. DR. D. MAKSIMOVIC - USA**)

### PLANNING INFRASTRUCTURE FOR CHARGING & SMART CHARGING - 1.30 PM

- E-mobility impact on the grid - Charging solutions and standardization (**PROF. DR. N. RAJAKOVIC - SRB**)

### DECARBONIZATION OF THE ENERGY SECTOR - 1.45 PM

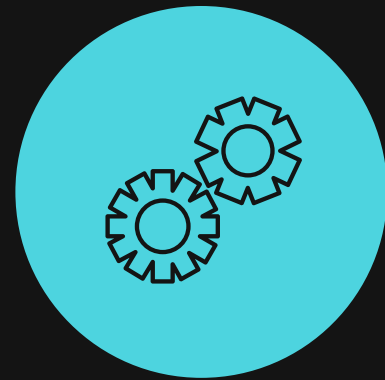
- Alternative Power Sources (**ETF - DOC. DR. G. DOBRIC - SRB**)
- EMILIA 4 - Solar Vehicle (**FPU - PROF. DR. M. LUKOVIC - SRB**)

### CYBER SECURITY - 2.15 PM

- Cyber Security for Connected and Autonomous Vehicles: Military lessons learned, Current ADAS vehicles, HD map updates (**IAI - DR. V. DJAPIC - SRB**)

COCKTAIL - 2.30 PM

# DAY 2



INDUSTRY



RESEARCH & TECHNOLOGIES



ACADEMY



START-UP

OEMs

Suppliers

Components

EV chargers

Batteries

E-motors

Connectors

Wire harnesses

**+ EXHIBITION**

# PROGRAM

## Day 2



### OPENING - 10.00 AM

### INDUSTRY (SERBIA) - 10.10 AM

- ZF - EV (**S. MARKOVIC / T. IVANOVIC**)
- BMW - EV (**N. ZDRAVKOVIC**)
- VW - EV (**F. MITROVIC**)
- BRITISH MOTORS - EV (**S. CUCKOVIC**)
- ABB - Charging (**D. DESIC**)
- SIEMENS - Charging (**D. MILOVANOVIC**)



### START-UP - 11.40 AM

- Industrial autonomous driving (**EX9 - K. DUARTE - FR**)
- High-efficient wireless power charger (**TECHNOVATOR - R. DOVZHYK - POL**)
- High-Frequency Radar Sensors (**NOVELIC - V. MIHAJLOVIC - SRB**)

### RESEARCH AND TECHNOLOGIES - 12.25 PM

Battery alternative solutions:

- Hydrogen (**TMF - PROF. DR. B. GRGUR - SRB**)
- Ultracapacitor (**ETF - PROF. DR. M. PROKIN - SRB**)

### EXHIBITION - 1.00 PM

COCKTAIL - 1.30 PM

# Contributors



SIEMENS



BRITISH MOTORS

ex9

TechNovator

NOVELIC



University of Belgrade  
Faculty of Mechanical Engineering



WORLD BANK GROUP



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European Union

