***Job Reference: 2063249***

***UTRCI Research Scientist, Diagnostics***

**Grade: L6-L5**

United Technologies Research Center (UTRC) delivers advanced technologies to the businesses of United Technologies Corporation (UTC). UTC (NYSE:UTX) is a diversified company that provides a broad range of high-technology products and services to the global aerospace and building systems industries. UTC's commercial businesses are Otis elevators and escalators and UTC Climate, Controls & Security, a leading provider of heating, ventilation, air conditioning, fire and security systems, building automation and controls. UTC’s aerospace businesses are Sikorsky Aircraft Corporation and the new UTC Propulsion & Aerospace Systems, which includes Pratt & Whitney aircraft engines and UTC Aerospace Systems aerospace products.

UTRC partners with UTC business units and external research organizations to expand the boundaries of science and technology through research and innovation, delivering technology options that meet and anticipate the needs of the marketplace.

Founded in 1929, UTRC is located in East Hartford, Connecticut (U.S.), with an office in Berkeley, California, and research and development centers in Shanghai, China, and Cork, Ireland.

United Technologies Research Centre Ireland, Ltd. (UTRCI) is UTRC’s European research hub, created to fully leverage a global network of innovation. UTRCI works with universities, research institutes, and industry throughout Europe and beyond to further its research and development mission. UTRCI invites qualified individuals to apply for the following position in its Cork office. A competitive compensation and benefits package will be provided to the successful candidates.

Learn more @ [www.utrc.utc.com](http://www.utrc.utc.com)

**Job Responsibilities**

UTRCI seeks candidates with expertise in decision support, building/equipment fault detection diagnosis and prediction methodologies. The successful candidates will apply their expertise to develop advanced decision support systems for buildings and will contribute to technology demonstrations of these systems. The position requires strong analytical skills and experience in development and implementing decision support technologies. The successful candidates will work as a part of technology teams in developing new technologies that will provide a competitive advantage for UTC’s business units.

The ideal candidate is a self-starter who works well in an international teaming environment, is extremely well-organized and has excellent interpersonal, leadership and communication skills. Besides technical excellence, an entrepreneurial attitude towards innovation is essential.

**Education**

A minimum of a doctoral degree in Computer Science/Engineering, Electrical Engineering, Mathematics, Statistics, or a master’s degree with a minimum of 5 years of industrial or academic experience is required. A PhD with industrial or academic experience is preferred.

**Experience/Qualifications**

* Expert knowledge in at least one of the following:
* Physical model based diagnostics
* Artificial intelligence – formal methods, machine learning, modeling for (Bayesian) probabilistic inference.
* Field experience with implementation or monitoring of building system technologies and experience in working with Government agencies and grant proposal development are desirable.
* Familiarity with HVAC equipment performance including vapor compression products, air distribution and building management systems would be beneficial.
* Experience with Lydia, Rodon, Dymola and Matlab is a plus.
* Exceptional communication skills, demonstrated commitment to deliver results and a good team player.
* Ability to execute technology research plans to successfully achieve desired technical outcomes within time and budget constraints.
* Some travel is required.

**Additional Comments**

This position is based at UTRC’s European hub in Cork, Ireland. To be eligible to apply, candidates must be legally entitled to work and reside in Ireland.

Candidates can apply online at: <http://www.utrc.utc.com/pages/Career/Job_openings.html> by selecting “Ireland” from the “Country” pull-down menu and clicking “Begin Search”