



The Eversource Energy Center (EEC) at the University of Connecticut (UConn) solicits applications for a full-time tenure-track faculty position at the rank of Assistant or Associate Professor, open to all School of Engineering Departments to conduct research, education and outreach related to **Predictive Analytics for Infrastructure Resilience**. The successful candidate will lead Eversource Energy Center's research programs that combine predictive analytics, modelling and optimal control for (i) predicting infrastructure damages due to storms and other related emergency events and (ii) assessing social and economic benefits of improving emergency preparedness and resiliency programs. The research is expected to lead to transformative commercial products and services that enhance reliability and promote public understanding of energy infrastructure needs and resilience programs.

The targeted faculty research expertise will focus on areas such as:

- Advanced statistical modeling and geospatial data processing;
- Infrastructure impact modeling;
- Economic analysis of resilience programs;
- Climate change impacts on the evolution of storm hazards and exposure.

The successful candidate will lead research collaborations with the School of Engineering, the College of Agriculture, Health and Natural Resources and the School of Business faculty encompassing in their research the built and natural environment, forecasting of climate and hydro-meteorological extremes, other data and technologies (e.g. remote sensing technologies, crowdsourcing, structural modeling etc.) and the economic dimensions of risk management and resiliency.

### **About the University of Connecticut**

The University of Connecticut (UConn) is entering a transformational period of growth supported by the \$1.7B Next Generation Connecticut (<http://nextgenct.uconn.edu/>) and the \$1B Bioscience Connecticut (<http://biosciencect.uconn.edu/>) investments and a bold new Academic Plan: Path to Excellence ([http://issuu.com/uconnprovost/docs/academic-plan-single-hi-optimized\\_1](http://issuu.com/uconnprovost/docs/academic-plan-single-hi-optimized_1)). As part of these initiatives, UConn has hired more than 450 new faculty at all ranks during the past three years. We are pleased to continue these investments by inviting applications for a faculty position in Eversource Energy Center at the rank of tenured/tenure-track appointments at the rank of Assistant or Associate Professor.

The successful candidate will be expected to contribute to research and scholarship through extramural funding, high quality publications, whose impact is measured through citations, national recognition as through honorific awards. In the area of teaching, successful candidate will share a deep commitment to effective instruction at the undergraduate and graduate levels, development of innovative courses and mentoring of students in research, outreach and professional development. Successful candidates will also be expected to broaden participation among members of under-represented groups; demonstrate through their research, teaching, and/or public engagement the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

### **About the Eversource Energy Center**

The Eversource Energy Center ([Eversource.uconn.edu](http://Eversource.uconn.edu)) at the University of Connecticut (UConn) is a dynamic partnership where state-of-the-art research, technology and software are solving real-world challenges for electric customers where weather, climate and energy intersect. Through these activities, the Center is enhancing readiness and emergency response and keeping communities energized.

Leveraging the expertise of UConn's faculty, post-doctoral and graduate researchers, and industry partners, combined with over \$3 million in lab and field equipment and over \$11 million of research grants, the Center is building the electric grid of the future, today.

The Eversource Energy Center was formally announced at the University of Connecticut on October 14, 2015, as part of UConn's press conference announcing their new Innovation Partnership Building, a 112,000 square foot state-of-the-art facility—the first of the UConn Tech Park—opening in 2017, providing laboratories and specialized equipment for industry scientists and entrepreneurs who will work side-by-side with UConn researchers.

### Minimum Qualifications

1. Completion of all requirements for a Ph.D. in Engineering or related discipline by the time of the appointment.
2. Demonstrated success in original research, and publication of that work in archival journals focused on topics such as predictive analytics and resilience.
3. A proven ability to excel in teaching undergraduate and graduate courses in Engineering, including software and system design methodologies; demonstrated potential in establishing a successful research and scholarship.
4. Excellent oral and written communication skills.
5. Senior candidates at associate professor level should have established significant research programs with a track record of external funding as well as demonstration of a leadership role for nationally competitive research grants.
6. A commitment to diversity and excellence of the learning experience.

### Preferred Qualifications

1. Research record in predictive analytics
2. Potential for collaborative research and a track record of successful interaction with Industry
3. Expertise in a specialty that is of interest to the Eversource Energy Center ([Eversource.uconn.edu](http://www.eversource.uconn.edu)) and that complements existing faculty expertise (<http://www.eversource.uconn.edu/faculty-and-staff>) and an outstanding record of research and scholarship excellence.
4. Experience as a post-doctoral or industry researcher in a research-competitive environment.
5. Exposure to developing research grant applications to federal funding agencies.
6. Experience with developing and offering online courses.

### Appointment Terms

This is a 9-month tenure-track position with an earliest expected start date of August 23, 2017. The successful candidate's primary academic appointment will be in the School of Engineering at the Storrs campus with the possibility of work at UConn's regional campuses across the state. Salary and rank will be commensurate with qualifications.

### To Apply

Please visit Husky Hire at <http://hr.uconn.edu/jobs/> to submit your **CV/resume**; **3 references**; a **statement of research and teaching statement** (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.); **research and scholarship statement** (innovative concepts that will form the basis of academic career, experience in proposal development, mentorship of graduate students, etc.); and a **commitment to diversity statement** (including broadening participation, integrating multicultural experiences in instruction and research and pedagogical techniques to meet the needs of diverse learning styles, etc.). Evaluation of applicants will begin immediately and continue until the position is filled. Employment of the successful candidate will be contingent upon the successful completion of a pre-employment criminal background check. (Search # 2017248)