

The College of Engineering (COE) at Boston University (BU) has embarked on a bold new strategic plan that will pursue excellence and impact along six convergent research themes: (1) Intelligent, Autonomous and Secure Systems, (2) Synthetic Biology, Tissue Engineering, and Mechanobiology, (3) Energy, Sustainability and Climate, (4) Materials by Design (5) Photonics and Optical Systems, and (6) Neuroengineering, Neuroinformatics, and Neuroscience.

As part of the **Energy, Sustainability, and Climate** theme, pending Provost approval, the COE at BU is searching for tenure-track faculty candidates at the Assistant Professor level, whose research interests align with one or more of the following areas:

- 1) Energy storage: Experimental/computational research and/or life cycle analysis of batteries or alternate systems for grid-level storage, energy storage for electric vehicle (EV) applications including inductive charging of EVs, and efficient generation and storage of hydrogen.
- 2) Sustainable networks and computing: Smart power grid, including integration of distributed renewable generation, EV charging demands, or cyber-physical elements to the power grid; sustainable power or transportation networks for smart cities as well as their physical and economic interactions; and design of energy-efficient computing and communication systems and the optimization and integration of these systems with the smart grid.

This is a COE-wide search, and the candidate will have a primary appointment in either the Mechanical Engineering (ME) or Electrical and Computer Engineering (ECE) departments. Cross-cutting research interests leading to secondary appointment(s) in another ENG department, Physics, Chemistry, and/or a Division (Materials Science and Engineering or Systems Engineering) would be encouraged. Interactions with the Institute for Sustainable Energy (ISE), the Sustainable Research Institute (SRI), the Center for Information and Systems Engineering (CISE) and/or the Hariri Institute for Computing and Computational Science and Engineering are highly encouraged. The COE believes that the cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our research and academic programs. To that end, we are especially eager to have a colleague who supports our institutional commitment to ensuring BU is inclusive, equitable, diverse, and a place where all constituents can thrive join our ranks.

Leading Assistant Professor tenure-track candidates will hold a PhD in Engineering or a related field, and will be prepared to conduct a research program that would complement and enhance the strengths of the COE. Candidates will be expected to teach courses at the graduate and undergraduate level in their home department and in cross-college courses. We are explicitly looking for candidates who have an interest in the Societal Impact of their research.

For more information about BU and COE, please visit: <http://www.bu.edu/eng/>

We encourage candidates to apply early. Applications received by **December 15, 2021** will be given full consideration. Please submit to [AcademicJobsOnline.org](https://academicjobs.bu.edu) your: 1) a cover letter that describes how your research and teaching interests fit within the interdisciplinary mission of the College of Engineering and how you —through your teaching and/or scholarship— will contribute to our goals to engender a more inclusive and diverse college, 2) a research statement, 3) CV, 4) a teaching statement, and 5) three letters of recommendation.

[APPLY FOR ASSISTANT PROFESSOR IN COLLEGE OF ENGINEERING](#)

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice and a commitment to broadening participation of underrepresented groups in engineering. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.