



LEHIGH
UNIVERSITY

P.C. ROSSIN COLLEGE
OF ENGINEERING AND
APPLIED SCIENCE

Tenure-track positions in Multiple Areas

The P.C. Rossin College of Engineering & Applied Science (RCEAS) at Lehigh University invites nominations and applications from qualified individuals for tenure-track faculty positions. Successful candidates may have appointment in any of the departments within the college: (i) Bioengineering, (ii) Chemical and Biomolecular Engineering, (iii) Civil and Environmental Engineering, (iv) Computer Science and Engineering, (v) Electrical and Computer Engineering, (vi) Industrial and Systems Engineering, (vii) Materials Science and Engineering, and (viii) Mechanical Engineering and Mechanics. Joint appointments in multiple departments will also be considered.

Lehigh University is investing more than \$250M over the next few years on new innovative research and academic programs to enhance its intellectual footprint. The investments, based on faculty-driven initiatives, will advance the university's mission and commitment to enhance student experiences. Investments will include upgrades to physical plants, research and teaching laboratories, and technical infrastructure.

Candidates should have a Ph.D. in relevant engineering disciplines and a distinguished record of research scholarship, and qualify for the rank of assistant, associate, or full professor. Ideal candidates will have research interests in the following three main areas: (i) **robotics & control**, (ii) **data science & analytics**, and (iii) **cyber physical systems & internet of things**. Candidates must also exhibit a commitment to excellence in teaching and mentoring, including working with students and groups from underrepresented backgrounds. RCEAS is committed to increasing the diversity of the campus community. Candidates who have experience working with a diverse range of faculty, staff, and students, and who can contribute to the climate of inclusivity are encouraged to identify their experience in these areas.

Ideal candidates for **robotics & control** will have research interests in perception & learning in robotics, emerging theory and applications in control systems, field & industrial robots, control and planning of autonomous systems, micro- and nano-scale robotics, biologically inspired & soft robots, haptics, human-robot interaction and social robotics.

Ideal candidates for **data science** will have research interests in foundational or emerging aspects of data science and analytics (such as machine learning, data mining, optimization, deep learning, big data, visualization, data representation and management) and/or data science applications in one of our engineering disciplines.

Ideal candidates for **cyber physical systems & internet of things** will have research interests in the relevant areas that enhance and transform the adaptability, capability, connectivity, reliability, resiliency, safety, scalability, security, sustainability, and/or usability of engineered artifacts and systems that interact with the physical world.

The application deadlines and required documents for these searches can be found at (<https://academicjobsonline.org/ajo/Lehigh/Engineering%20Interdisciplinary%20Search>).

Any inquiries regarding the robotics & control search should be directed to Mooi Choo Chuah or Nader Motee, Co-Chairs of the Search Committee at (robotics-search@lehigh.edu).

Any inquiries regarding the data science search should be directed to Paolo Bocchini or Jeetain Mittal, Co-Chairs of the Search Committee at (faculty-search-data@lehigh.edu).

Any inquiries regarding the cyber physical systems & internet of things search should be directed to Liang Cheng or Zhiyuan Yan, Co-Chairs of the Search Committee at (cps-iot-search@lehigh.edu).

Lehigh is a premier residential research university, ranked in the top tier of national research universities each year. Lehigh University is a coeducational, nondenominational, private university that offers a distinctive academic environment for undergraduate and graduate students from across the globe. Located in Pennsylvania's scenic Lehigh Valley, the campus is situated on 1,600 acres in close proximity to both New York City and Philadelphia.

Lehigh University is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community. Applications and nominations from female or minority candidates are strongly encouraged. Lehigh University is an affirmative action/equal opportunity employer. Lehigh provides competitive salaries and comprehensive benefits, including partner benefits. Lehigh University has developed an ADVANCE Center for Women STEM Faculty to continue the work of the 2010 NSF Institutional Transformation Award. Information about Work/Life Balance for faculty can be found at: (<http://www.lehigh.edu/~inprv/faculty/worklifebalance.html>). LINC is a newly created regional network of diverse organizations designed to assist new hires with dual career, community and cultural transition needs. Please contact infdcap@lehigh.edu for more information.