JOHNS HOPKINS ENGINEERING ROBOTICS FACULTY SEARCH

The Johns Hopkins University, G.W.C. Whiting School of Engineering, invites applications for multiple tenure-track and tenured faculty positions at the level of assistant professor, associate professor, and full professor. The successful applicant is expected to conduct fundamental research in the area of robotics. Research areas of interest include, but are not limited to, the following areas:

- **Sensor based robotics** with an emphasis on computer vision and imaging.
- **Small-scale robotics** with emphasis on systems with features at meso and micro scales.
- **Biorobotics and neuromechanics** including devices, algorithms, and approaches to robotics inspired by principles in biomechanics and neuroscience, and application of robotics to create new knowledge in these fields.
- **Medical robotics** including computer-integrated surgical systems, image-guided intervention, and prosthetics.
- **Autonomous robotics** for monitoring, exploration, and manipulation with applications in environmental, home, and defense areas.
- **Algorithmic robotics** with emphasis on approaches based on simulation or machine learning.
- **Human-machine systems**, including haptic and visual feedback, human perception, cognition and decision making, and human-machine collaborative systems.

Opportunities for interactions across the University include the interdisciplinary Laboratory for Computational Sensing and Robotics, the Center for Computer-Integrated Surgical Systems and Technology, the Center for Imaging Science, the Institute for Computational Medicine, the Center for Language and Speech Processing, the Johns Hopkins Applied Physics Laboratory, the Johns Hopkins Medical Institutions, the Krieger School of Arts and Sciences, and numerous departments such as Mechanical Engineering, Computer Science, Electrical and Computer Engineering, Biomedical Engineering, Neuroscience, Psychological and Brain Sciences, Surgery, and Radiology.

Qualified candidates at all ranks will be considered. The successful candidate must have a doctorate, and is expected to establish a strong, independent, internationally recognized research program as well as contribute fully to both undergraduate and graduate instruction. Candidates for the positions at the associate or full professor levels must have an internationally recognized record of scholarly and professional achievements. Primary appointments will be in the academic Department most appropriate for the candidate within the G.W.C. Whiting School of Engineering – e.g. Mechanical Engineering, Computer Science, Electrical and Computer Engineering, or Biomedical Engineering. For additional information see [https://lcsr.jhu.edu/RoboticsSearch](https://lcsr.jhu.edu/RoboticsSearch)

All applications should be submitted electronically online at [https://academicjobsonline.org/ajo/jobs/603](https://academicjobsonline.org/ajo/jobs/603). Applications will be reviewed starting January 15 and will be accepted until the positions are filled. Questions should be directed to Louis L. Whitcomb at robotics-search@jhu.edu. Electronic applications should include a cover letter describing the principal expertise of the applicant, a statement of teaching and research interests and experiences, a complete resume, the names and contact information of at least three references, and 3-5 relevant publications. Johns Hopkins University is committed to building a diverse environment; women and minorities are strongly encouraged to apply. The Johns Hopkins University is an EEO/AA Employer.