



# THE OHIO STATE UNIVERSITY

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Tenure-Track Faculty Position  
Cyber-Secure Autonomous Mobility

Operations Research Program  
Department of Integrated Systems Engineering  
The Ohio State University  
Farhang Pourboghrat, Professor and Chair

The Department of Integrated Systems (ISE) at The Ohio State University, one of the nation's top ten public universities, invites applications for a tenure-track position at the assistant or associate professor level focusing on *Cyber-Secure Autonomous Mobility*. ISE offers degrees (B.S., M.S., and Ph.D.) in Industrial and Systems Engineering. Its undergraduate and graduate programs are consistently among the top programs ranked by US News and World Report, as the Department has exceptional strength in all major areas associated with the discipline. The Department also has an excellent track record for industry engagement and technology transfer.

The position is targeted to provide the college of engineering and university communities with first-class research and teaching on analytical decision making tools to make future cyber-enabled mobility systems/services more secure, efficient, and economic. Prospective candidates should demonstrate strong research expertise in the area of mobility, covering topics that are related to transportation, human mobility, autonomous mobility, physical- and cyber-security in mobility, and mobility analytics. Candidates should have a strong methodological background in any area or operations research. Candidates with interests in (i) Markov decision processes and dynamic programming, (ii) system or stochastic control, (iii) reinforcement learning, and (iv) suitable computer science areas are especially welcome.

The successful candidate is expected to excel at creating and participating in interdisciplinary research teams. He or she will establish a strong research program, attract research funding from federal, state, and industry resources, supervise graduate student research, and disseminate the results of such research through high-quality peer-reviewed publications. Additionally, this faculty member will extend current course offerings in *Cyber-Secure Autonomous Mobility* at both the undergraduate and graduate levels. A Ph.D. in *operations research, control engineering, or computer science* is highly desired.

Interested candidates should submit an application electronically via Academic Jobs Online at <https://academicjobsonline.org/ajo/jobs/11835>. Application materials must include a cover letter, curriculum vitae, a statement of current and future research interests, a statement of teaching philosophy, contact information for three to five references, and copies of up to three published papers.

The Ohio State University College of Engineering is strongly committed to promoting diversity and inclusion in all areas of scholarship, instruction, and outreach. **In the cover letter, describe experiences, current interests or activities, and/or future goals that promote a climate that values diversity and inclusion in one or more of these areas.**

The application deadline is 31 March, 2019. Review of applications will begin on 19 October, 2018 and will continue until the position is filled. Candidates who will be attending the 2018 INFORMS Annual Meeting in Phoenix, AZ should indicate so in their cover letters.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium.

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Applications from women and other underrepresented or minority groups are strongly encouraged. More information about The Ohio State University's diversity initiative can be viewed at <https://www.osu.edu/initiatives/diversity.html>