

Industrial & Systems Engineering
University of Washington
Seattle, WA

Position Description

The Department of Industrial and Systems Engineering (ISE) at the University of Washington (UW) invites candidates to apply for an Assistant Professor tenure-track position. The successful candidates will be expected to teach and conduct research in Artificial intelligence/Machine Learning areas in general. The successful candidate will be expected to address significant societal problems (e.g., urban air mobility, smart cities and infrastructure systems, energy systems, supply chain and logistics, health systems, cybersecurity, robotics and automation, and advanced manufacturing), develop research programs with sustainable funding, and develop/teach undergraduate and graduate level courses. This position is on a 9-month service period with an anticipated start date of September 16, 2024.

The ISE Department of UW is on a multi-year trajectory for growth. The department has a tradition of interdisciplinary collaborations and strong partnerships within UW and with other academic institutions and industries. Recent examples include Amazon + UW Science Hub, the NSF-funded AI Institute in Dynamical Systems and the Institute of Medical Data Science. The primary appointment and teaching responsibilities for this hire will be in ISE, with the option of a joint hire with another department if desired. The department currently consists of 10 active core research and teaching faculty, over 140 undergraduates and 75 graduate students. More information is available at: ise.washington.edu.

UW, located in Seattle, the heart of the high-tech pacific northwest, is one of the world's preeminent universities, ranking No. 6 in Best Global Universities in 2023 by U.S. News & World Report. The College of Engineering and the ISE Department promote a highly collegial and collaborative environment. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, top technology companies, as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere. UW has a culture of inter-departmental and cross-college collaborations, as well as close relationships with regional institutes and industry partners. UW is a leader in transportation systems (<http://depts.washington.edu/pactrans/>), clean energy (<http://cei.washington.edu>), nano-engineered systems (<http://www.nano.uw.edu>), medicine (<https://www.uwmedicine.org>), and advancing data sciences across all disciplines (<http://escience.washington.edu>). We strongly encourage applications from women and underrepresented minority candidates, individuals with disabilities, covered veterans, and people from other diverse and underrepresented groups. We are committed to

creating innovative and high-quality research and teaching programs that contribute to an inclusive and equitable campus environment. We will look forward to learning how the candidate's values, experiences, visions and plans for teaching, research, and service would support and enhance our commitment to diversity, equity, and inclusion.

The base salary range for the position will be \$11,000 – \$16,000 per month for a 9-month service period, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination. Other compensation associated with these positions may include a one-time relocation incentive.

Qualifications

Applicants must hold a Ph.D. or foreign equivalent in a discipline related to Industrial or Systems Engineering, Mechanical Engineering, Civil and Environmental Engineering, Computer Science and Engineering, Electrical Engineering, or a closely related field.

Instructions

Applications should include a cover letter, a curriculum vitae, a research statement (3 pages maximum), a teaching statement (2 page maximum), a diversity statement (2 page maximum), and contact information for four references. For full consideration, applications should be submitted by Dec 15th, 2023 to Interfolio at apply.interfolio.com/133588. The position is open until filled. For additional information regarding position specifics, please get in touch with the search committee chair, Dr. Shuai Huang, via email at isesearch@uw.edu.

Equal Employment Opportunity Statement

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

Commitment to Diversity

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research,

teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>).

Privacy Notice

Review the University of Washington [Privacy Notice for Demographic Data of Job Applicants and University Personnel](#) to learn how your demographic data are protected, when the data may be used, and your rights.

Disability Services

To request disability accommodation in the application process, contact the Disability Services Office at 206-543-6450 or dso@uw.edu.

COVID-19 Vaccine Requirements and Information

Under Washington State Governor Inslee's [Proclamation 21-14.1](#), University of Washington (UW) workers must be fully vaccinated against COVID-19 and provide proof thereof, or receive a UW-approved medical or religious exemption. This requirement will be a condition of any offer associated with this recruitment. For more information, please visit <https://www.washington.edu/coronavirus/vaccination-requirement/>.