

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 applications for a full-time tenure-track faculty position at the rank of Assistant Professor or Associate Professor. The successful candidates will be expected to teach and conduct research in the broad areas of Artificial intelligence (AI) and Machine Learning (ML), with a particular focus on applications that address significant societal challenges. These may include issues related to digital manufacturing, healthcare, logistics and transportation. The successful candidates will be expected to develop research programs with sustainable external funding and to design and teach related undergraduate and graduate-level courses. This position is on a 9-month service period, with an anticipated start date of September 16, 2025.

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, collaboration with Starbucks. 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 12 active core research and teaching faculty, over 140 undergraduates and 75 graduate students. More information is available at: ise.washington.edu.

UW is one of the world's leading universities, ranking No. 6 in the 2023 Best Global Universities by U.S. News & World Report. The College of Engineering and the ISE Department foster a highly collegial and collaborative environment. Located in Seattle, in the US Pacific Northwest, UW benefits from a rich intellectual environment that has nurtured the growth of major global companies. 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 \$12,000 – \$17,000 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. This is the full-time appointment.

Qualifications

Applicants must hold a Ph.D. or foreign equivalent in Industrial or Systems Engineering or related disciplines, such as Mechanical Engineering, Civil and Environmental Engineering, Computer Science and Engineering, Electrical Engineering.

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 5th 2024 to Interfolio at <https://apply.interfolio.com/157286>. 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.