

Tenure-Track Assistant Professor in Statistical Machine Learning, AI, and Decision Sciences for Manufacturing Northwestern University

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Posted Oct. 3, 2024, set to expire Feb. 4, 2025

Job Title Tenure-Track Assistant Professor in Statistical Machine Learning, AI, and Decision Sciences for Manufacturing

Department Mechanical Engineering and Industrial Engineering & Management Sciences
<https://www.mccormick.northwestern.edu/mechanical/>

Institution Northwestern University
Evanston, Illinois

Date Posted Oct. 3, 2024

Application Deadline Nov. 15, 2024

Position Start Date Available immediately

Job Categories Assistant Professor

Academic Field(s) Manufacturing & Quality Engineering
Industrial & Systems Engineering
Mechanical Engineering

Job Website <https://www.mccormick.northwestern.edu/mechanical/careers/>

Apply Online Here <https://facultyrecruiting.northwestern.edu/apply/MjlyNA==>

Apply By Email

Job Description

We invite applications for a full-time, tenure-track faculty appointment at the level of Assistant Professor, jointly appointed by the Department of Mechanical Engineering (ME) and the Department of Industrial Engineering and Management Sciences (IEMS) at Northwestern University. We seek candidates who will lead pioneering research in manufacturing systems, building on core competencies in IEMS. Areas of interest include, but are not limited to statistical machine learning and AI,

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stochastic/sequential/dynamic/adaptive decision making, supply chain management, data-driven decision science, sensor networks, multi-team systems, uncertainty quantification for quality/reliability, autonomous manufacturing systems, etc. Applicants should hold an earned PhD or be near completion of their doctoral studies with demonstrated research potential in Mechanical Engineering, Industrial Engineering, or a related field.

The hire will have opportunities for interdisciplinary collaboration via broad research initiatives and centers at Northwestern, including examples such as [Northwestern Initiative for Manufacturing Science and Innovation](#) (NIMSI), NSF Engineering Research Center [HAMMER](#) (Hybrid Advanced Manufacturing: Moving from Evolution to Revolution), [Optimization and Statistical Learning](#) (OSL), and [Center for Deep Learning](#) (CDL).

Application instructions: Candidates are requested to upload a cover letter, curriculum vitae, statement of research, statement of teaching, statement of diversity (addressing potential contributions to enhancing diversity, equity, and/or inclusion), and the names and contact information for three to five references. In the cover letter, candidates should summarize their qualifications in both developing fundamental statistical machine learning, AI, and decision sciences methods, as well as in advancing new frontiers of manufacturing systems. Applications will be accepted until the position is filled. To receive full consideration, all materials including reference letters should be received by **November 15, 2024**. Application materials must be submitted via the web interface at <https://facultyrecruiting.northwestern.edu/apply/MjlyNA==>.

Compensation: The expected base pay range for this position is \$133,000–\$145,000. This base pay range is for a nine-month academic appointment, does not include summer salary, and is subject to negotiation. Research discretionary funding will also be provided. Summer salary, including from sponsored projects, may also be available.

Northwestern University has provided a pay range representing its good faith estimate of what the university reasonably expects to pay for the position. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including years since terminal degree, training, and field or discipline; departmental budget availability; internal equity; and external market pay for comparable jobs.

At Northwestern, we are proud to provide meaningful, competitive, high-quality health care plans, retirement benefits, tuition discounts and more! Visit us at <https://www.northwestern.edu/hr/benefits/index.html> to learn more.

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Questions: mecareers@northwestern.edu

EEO/AA Policy

The Northwestern campus sits on the traditional homelands of the people of the Council of Three Fires, the Ojibwe, Potawatomi, and Odawa as well as the Menominee, Miami and Ho-Chunk nations. We acknowledge and honor the original people of the land upon which Northwestern University stands, and the Native people who remain on this land today.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Click for information on [EEO is the Law](#).

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact ME Faculty Careers
Mechanical Engineering
Northwestern University
Evanston, IL

Contact E-mail mecareers@northwestern.edu