



# Northern Illinois University

## CHAIRPERSON

### **Department of Industrial and Systems Engineering – College of Engineering and Engineering Technology Northern Illinois University**

The College of Engineering and Engineering Technology (CEET) invites applications for an anticipated Chairperson to lead the Department of Industrial and Systems Engineering (ISYE). The Department of Industrial and Systems Engineering offers an ABET accredited B.S. in ISYE (with emphasis in Manufacturing Systems, Health Systems, and Engineering Management; a minor in Sustainable Engineering; and two certificates in lean six sigma and logistics). The department also offers an M.S. in ISYE, an M.S. in ISYE with specialization in Engineering Management, and a Ph.D. in ISYE (with four certificates in logistics, lean six sigma, quality control of manufacturing processes, and integrated manufacturing systems). The department is well established and enjoys a solid reputation for education, research, and service to the community and profession.

The department consists of 9 full-time faculty members and 2 full-time instructors, and approximately 84 undergraduates, 146 M.S., and 5 PhD students. The department has well established laboratories for Logistics, Operations Research, Ergonomics, Lean Manufacturing, and Additive Manufacturing. Strong ties with industries and national laboratories in the Northern Illinois region, including Argonne and Fermi, have helped Industrial and Systems Engineering faculty to attract externally funded research projects on a regular basis. Northern Illinois University (NIU) has about 16,000 students and is located approximately 65 miles west of Chicago. NIU's vision is to be an engine for innovation to advance social mobility; promote personal, professional, and intellectual growth; and transform the world through research, artistry, teaching and outreach. To further support that vision, the College of Engineering and Engineering Technology (CEET) offers Ph.D. degrees in electrical, mechanical, and industrial and systems engineering. In addition, the College has recently started to offer B.S. degree programs in Biomedical Engineering and Mechatronics Engineering.

This administrative, teaching, and scholarly appointment will begin July 1, 2024.

#### **Position Summary:**

As a dynamic and innovative leader, the incoming Chair will spearhead a new vision for the department, advancing education, research expansion, industrial partnerships, and enrollment management.

#### **Primary Responsibilities:**

- Leading and administering doctorate, graduate, and baccalaureate programs in Industrial and Systems Engineering.
- Lead departmental administration, finances, and planning.
- Manage faculty and staff hiring, workload, and evaluations.
- Mentor students, teach courses, and ensure program accreditation.
- Foster interdisciplinary research collaborations.
- Work closely with NIU and CEET to enhance recruitment efforts for community colleges

transfers as well as high school freshmen.

- Facilitate grant activities and report to the CEET Dean.

#### **Minimum Required Qualifications:**

- Doctorate degree in Industrial Engineering or closely related field.
- Significant teaching and research experience in the field of Industrial and Systems Engineering or closely related field.
- Proven leadership in administration, effectively managing faculty, staff, and students while aligning with departmental goals.

#### **Additional Requirements (Knowledge, Skills, and Abilities)**

- Proficiency in budget management, priority setting, and strategic planning for departmental growth.
- Demonstrated proficiency in collaborating with various stakeholders, including senior leadership, faculty, students, staff, donors, and external partners.
- Demonstrated creative problem-solving skills.
- Outstanding interpersonal skills.

#### **Preferred Qualifications**

- Related teaching interests and research experiences in, but not limited to, data analytics, sustainability, AI, manufacturing, ergonomics, operations research, quality, reliability, additive manufacturing, decision analysis, human factors, lean six sigma or related topics.
- Practical experience in an industrial setting, which can include work on real-world engineering projects, industry collaborations, or consulting engagements.
- Involvement in national and international professional organizations, conferences, and networks related to Industrial Engineering or related fields, contributing to the department's visibility and networking opportunities.
- Track record of effectively securing external support and funding from a diverse range of sources, including federal agencies, state grants, private, and industrial partnerships.
- A demonstrated commitment to equity and a successful working history within a diverse environment is highly desirable.

**Salary:** Commensurate with education and experience. Position includes a robust [benefits package](#).

**Application Process:** For full consideration, prospective applicants should visit (insert link) to apply and upload the following materials as a single PDF file by **December 31, 2023:**

- A cover letter describing professional background, qualifications, and leadership approach;
- A complete and current curriculum vita;
- A vision statement for the future of the department;
- A statement of research interest;
- A statement of teaching philosophy; (<https://www.niu.edu/ceet/academics/industrial-and-systems-engineering/index.shtml>);

- A statement on diversity, equity, and inclusion
- The names and contact information of five professional references

Applications submitted after December 31, 2023 are welcomed, but will be considered as needed. Review of applications will begin on January 8, 2024.

For more information or inquiries, please contact (Dr. YJ Lin, Search Committee Chair at [ylin1@niu.edu](mailto:ylin1@niu.edu)).

For short listed applicants holding Ph.D. degrees from non-U.S. academic institution(s): Degree credentials (i.e., transcripts and other academic records) that do not conform to standard U.S. format must undergo a course-by-course evaluation by the World Evaluation Services (WES), or another organization approved by the National Association of Credential Evaluation Services, as part of the application packet. Also, if the official transcript(s) and other academic records are not in English, then they must be accompanied by a notarized translation. All costs associated with the evaluation service and notarization will be covered by the applicant.

**Background Check Required:** In compliance with the Illinois Campus Security Act, before an offer of employment is made, the university will conduct a pre-employment background investigation, which includes a criminal background check.

### About CEET

The College of Engineering and Engineering Technology was established in 1985 and offers degree programs accredited by the Accreditation Board for Engineering and Technology (ABET) and the Association of Technology, Management and Applied Engineering (ATMAE) in electrical engineering, engineering technology, industrial and systems engineering, and mechanical engineering, as well as the two new bachelor's programs in biomedical engineering and mechatronics engineering introduced in 2019. The college is housed in three facilities totaling 150,000 square feet and featuring more than 35 state-of-the-art laboratories that are open to all students from their first year through graduate school.

### About NIU

Northern Illinois University is a student-centered, nationally recognized public research university, with expertise that benefits its region and spans the globe in a wide variety of fields, including the sciences, humanities, arts, business, engineering, education, health and law. Through its main campus in DeKalb, Illinois, and education centers for students and working professionals in Chicago, Hoffman Estates, Naperville, Oregon and Rockford, NIU offers more than 100 courses of study while serving a diverse and international student body of about 16,000.

### AA/EEO Statement

In accordance with applicable statutes and regulations, NIU is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, ancestry, sex, religion, age, physical and mental disability, marital status, veteran status, sexual orientation, gender identity, gender expression, political affiliation, or any other factor unrelated to professional qualifications, and will comply with all applicable federal and state statutes, regulations and orders pertaining to nondiscrimination, equal opportunity and affirmative action. NIU recognizes Dual Career issues. In compliance with federal law, all persons hired will be required

to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification documentation upon hire.