



North Carolina Agricultural and Technical State University Department of Industrial and Systems Engineering

The Department of Industrial and Systems Engineering (ISE) at North Carolina Agricultural and Technical State University (NCAT), located in Greensboro, NC, invites applications for a tenure track faculty position at the rank of Assistant/Associate Professor. The Department offers ABET- and SACS-accredited programs, ranked by U.S. News and World Report, and awards degrees in industrial and systems engineering at the BS, MS, and PhD levels. NCAT has earned two Carnegie Foundation classifications: (1.) Doctoral/Research University; and (2.) Community Engagement. More information can be found at:

<https://www.ncat.edu/coe/departments/ise/index.php>

The successful candidate for the Assistant Professor (9-month tenure track) position within the Industrial and Systems Engineering (ISE) Department and the College of Engineering at North Carolina Agricultural and Technical State University (NCAT) will be expected to establish and sustain a strong externally-funded research program in Industrial and Systems Engineering and produce an excellent record of scholarly publication; incorporate modern pedagogical skills in teaching undergraduate and graduate courses; supervise and support MS and PhD students; and provide service to the university and its units, to the state, regional and national communities, as well as to the appropriate professional organizations.

We are specifically looking for candidates with strength in smart manufacturing system and application of advanced statistical methods with applications of big data analytics, AI, and Machine Learning in digital manufacturing systems. Candidates with strong research interest in advanced manufacturing systems and related areas are encouraged to apply. Candidates are required to have strong skills and research interests in one or more of the following areas: advanced manufacturing (smart/digital manufacturing including system-level modeling and analysis, automation and process control; additive, nano and bio manufacturing; human-automation interaction and human-robot interaction; digital twins; Industry 4.0; and the security of cyber-physical industrial systems), statistical and probabilistic modeling, prognostic health management, big data integration (data fusion) of heterogeneous data, data visualization, and simulation in manufacturing systems. Experience in data analytics (including heterogeneous longitudinal and time-event data), artificial intelligence, and machine learning with applications in smart manufacturing systems, or cyber-physical systems is highly preferred.

Applicants should submit application electronically containing Cover Letter, Curriculum Vitae, Teaching Philosophy, Research Statement and Transcripts Copies of Bachelor, Master, and Ph.D. Degrees. Names and contact information for at least three (no more than five) professional references should be submitted too. Review of applications will begin on October 15, 2023, and applications will be accepted until the position is filled. The expected date for the appointments will be Aug 16, 2024. All applications need to be submitted via the link:

<https://jobs.ncat.edu/postings/28579>

For any other information, please feel free to contact the department search committee chair Dr. Younho Seong via yseong@ncat.edu.

EEO/AA Policy: N.C. A&T does not discriminate against any person on the basis of age, color, disability, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, veteran status, or any other basis protected by law. For inquiries regarding non-discrimination policies, contact the Title IX Coordinator at titleixcoordinator@ncat.edu.