



The University of South Florida invites applications for a faculty position in

Industrial and Management Systems Engineering

The Department of Industrial and Management Systems Engineering (IMSE) at the University of South Florida (USF) invites applications for a tenure-track/tenured faculty position at the **Assistant/Associate/Full Professor** level starting in August 2023.

The research and educational interests of the applicants should intersect with the departmental **core methodological research thrusts in data analytics, machine learning, and optimization with decision-making applications in smart city/urban infrastructure** (including cybersecurity, healthcare systems, energy, water, transportation, and public health), and **advanced manufacturing**. Minimum qualification will be a doctoral degree either in industrial engineering, electrical engineering, computer science, or a related field from an accredited research institution. Preferred qualifications include 1) research expertise in one or more areas, including data mining and machine learning, computing methods and architecture, large-scale and robust optimization, and advanced manufacturing, 2) a strong record of publications in top-tier peer-reviewed journals/conferences, and, if seeking an associate/full rank a high citation h-index, 3) significant potential (or demonstrated experience) for conducting research, as principal investigator, funded by grants and contracts from federal agencies and state/private sources, 4) potential/demonstrated ability to form multi-level, interdisciplinary research collaborations, 5) a strong potential/record of successfully funding, mentoring, and graduating doctoral students from diverse backgrounds, and 6) demonstrated experience/potential for developing and teaching undergraduate and graduate level courses, particularly Ph.D. level courses. Successful candidates are expected to have leadership and communication skills, be able to work effectively in teams, integrate research, education, and service activities, and be actively engaged in leadership in professional societies.

The IMSE Department currently has 15 full-time faculty members and offers B.S., M.S., and Ph.D. degrees in Industrial Engineering, an M.S. degree in Engineering Management (MSEM), an M.S. degree in Data Intelligence (MSDI), and is very active in offering distance learning opportunities. The department currently hosts 245 undergraduates (counting mainly juniors and seniors only), 150 masters, and 24 full-time doctoral students. IMSE faculty has strong collaborations with other departments within the College of Engineering, the Colleges of Medicine, Nursing, Public Health, Business, and Arts & Sciences. The Department also has strong ties with various centers and institutes such as the Institute of Applied Engineering, Center for Urban Transportation Research, the H. Lee Moffitt Cancer Center and Research Institute, Byrd Alzheimer's Institute, USF Sleep Research Center, and with organizations outside of USF such as City of Tampa, Tampa Electric Company, Tampa General Hospital, and James A. Haley Veterans' Hospital.

Established in 1964 and currently led by Dean Robert H. Bishop, the College of Engineering at the University of South Florida is ranked #57 among public institutions (#92 overall) by U.S. News & World Report's 2023 engineering graduate school rankings. The college serves more than 6,600 students, offering eleven bachelor's programs, nine are ABET-accredited, as well as 15 master's and eight doctoral degrees. The College is actively engaged in local and global research activities with \$41 million in research expenditures for the fiscal year 2020-2021. The College has 12 major research centers and institutes and is actively engaged in local and global research activities focused on sustainability, biomedical engineering, artificial intelligence, cybersecurity, and transportation.

The University of South Florida, a high-impact global research university dedicated to student success, generates an annual economic impact of more than \$6 billion. Over the past 10 years, no other public university in the country has risen faster in U.S. News and World Report's national university rankings than USF. Serving nearly 50,000 students on campuses in Tampa, St. Petersburg, and Sarasota-Manatee, USF is designated as a Preeminent State Research University by the Florida Board of Governors, placing it in the most elite category among the state's 12 public universities. USF is committed to shaping the future in a community that cherishes justice, accessibility, and meaningful participation by all its members (USF Principles of Community). USF has earned widespread national recognition for its success in graduating under-represented minority and limited-income students at rates equal to or higher than majority and higher-income students. For nearly two decades, USF has been a leader in fostering increased access for individuals from groups historically unrepresented in engineering. USF is a member of the American Athletic Conference. Learn more at www.usf.edu.

An application package should include a cover letter indicating your interest in a specific rank, a complete curriculum vitae with a list of publications and research grants and contracts, names and detailed contact information for four references, a one-page statement of the applicant's research vision, and a one-page teaching statement. Aligned with USF Principles of Community, preference will be given to applicants with commitment to teaching and mentoring students in their research groups from all backgrounds. Applicants are welcomed to include an optional expected contributions to broadening participation in engineering (BPE) or diversity statement that outlines their commitment to diversity, equity, inclusion, and belonging, as well as how they will contribute to an inclusive environment as part of their teaching, research, and service. Applicants must electronically submit the application packet as one PDF file to the following website: <https://www.usf.edu/work-at-usf/careers/index.aspx>. **For consideration, please apply to the appropriate position level (Assistant Professor, search Job ID#32281, Associate Professor, search Job ID#32282, Full Professor, search Job ID#32283).**

The cover letter should be addressed to **Dr. Changhyun Kwon, Faculty Interview Panel Chair**, Industrial and Management Systems Engineering. The review of applicants will begin on November 14, 2022, and will continue until the position is filled. The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and individuals from historically underrepresented backgrounds are strongly encouraged to apply. Questions about dual career opportunities should be directed to the department chair. Disability accommodations in the application and interview process can be requested to Khoa Dinh, the EOL Coordinator at (813) 974-9272 at least five working days in advance.