Ph.D. Positions in Smart Manufacturing and Robotics
Department of Mechanical and Industrial Engineering
University of Illinois Chicago

Smart Manufacturing of the Future (Smarture) Laboratory at the Department of Mechanical and Industrial Engineering, University of Illinois at Chicago (UIC) is seeking applications to enroll several extremely motivated Ph.D. students with strong mathematics/data analytics, manufacturing, and robotics background for **Fall and Spring 2024**. The students will be involved in fully funded graduate research on various topics of smart manufacturing with applications in **robotics, additive manufacturing, future electronics, and cyber-physical systems**, under the guidance of Prof. Azadeh Haghighi.

Applicants are expected to have a strong academic record to be considered. Industrial Engineering, Electrical Engineering, and Mechanical Engineering students from both domestic and internationally well-known universities with top 5% record in their class, strong analytical background, experience in the interplay of smart and advanced manufacturing, additive manufacturing, robotics, as well as machine learning and data analytics, are strongly encouraged to apply. The students will be supported with research assistantships with department approval. All the applications must be submitted through the university admission portal. Students would need to be admitted into UIC's Industrial Engineering and Operations Research Ph.D. program. The interested candidates should mention their interest to work with Dr. Haghighi in their application, and send a CV with at least the following to ahaghi3@uic.edu prior to applying

- transcript(s); unofficial version accepted
- relevant research experience documents
- GRE/TOEFL scores
- contact information of at least 3 references
- academic writing sample(s), or evidence of academic writing skills
- one in-depth paragraph on why you are interested in and suitable for this position
- "PhD position application" in the e-mail's title

Located in the heart of Chicago, UIC is the largest research institution of higher education in the area serving one of the nation's most diverse student bodies. It houses the largest medical school in the country and is an excellent place for multi-disciplinary work. UIC is consistently ranked in the top 20 universities in the world under fifty years old and among top 10 "Best Value" research universities in the nation.

The Mechanical and Industrial Engineering (MIE) Department (http://www.mie.uic.edu/) has around 43 faculty members with full access to UIC's Engineering Research Facility, which houses multiple research laboratories, a Class 100 clean room, a comprehensive MEMS research center, advanced CAD/CAM and computer lab facilities, and lecture rooms. In addition, the MIE faculty members and students have full access to UIC Engineering's new building, which includes an advanced high-bay lab for structural testing, open laboratories, and other resources.

Information on UIC-MIE admission and requirements: https://mie.uic.edu/graduate/admissions/