

**Tenured Faculty Position in Advanced Manufacturing**  
Mechanical, Materials and Aerospace Engineering Department

The Mechanical, Materials and Aerospace Engineering (MMAE) Department in the Armour College of Engineering at Illinois Institute of Technology (Illinois Tech) invites applications for a tenured faculty position in advanced manufacturing to lead and grow department, college and university research efforts in the areas of advanced manufacturing processes, additive manufacturing, digital manufacturing, material properties, process-property relationships and optimization, microstructure characterization, phase-field modeling, and/or machine learning for advanced manufacturing. Candidates with experimental and/or computational backgrounds are encouraged to apply, specifically those with a strong record of sustained success in research, teaching and service. Distinguished candidates will be considered for an endowed chair. The expected start date is Fall 2023, but this is negotiable.

Illinois Tech is a private Ph.D.-granting research university with world-renowned programs in engineering, architecture, the sciences, humanities and social sciences, psychology, business, law, and design. Founded in 1890, Illinois Tech was built on the promise to provide access to higher education for students from all different backgrounds and to make a difference in the world through technology-oriented education. This guiding mission and purpose – where students, including those underrepresented in technology, could prepare for meaningful roles in a changing industrial society and achieve professional and economic advancement – remains just as relevant today. As such, diversity and inclusion are part of the day-to-day experience at Illinois Tech and a central component of its culture. Illinois Tech is home to a diverse and global student population, is committed to providing opportunities to enhance the diversity of its faculty and staff, and strongly encourages applicants from all backgrounds to apply for this position, especially those underrepresented in the field.

At the time of appointment, applicants must hold an earned doctorate in mechanical, materials, or aerospace engineering, or a related field. Faculty members in the department are expected to initiate and sustain a vibrant externally-funded research program that supports graduate students and leads to a strong record of published research. The department strongly encourages cross-cutting and collaborative research. Successful candidates are expected to demonstrate a strong commitment to undergraduate and graduate teaching in the areas of advanced manufacturing, materials science and engineering, mechanics and/or related areas, as well as to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

The MMAE Department at Illinois Tech offers ABET accredited degrees in Mechanical Engineering, Aerospace Engineering, and Materials Science and Engineering, as well as a range of master's degrees and doctoral degrees in Mechanical and Aerospace Engineering and Materials Science and Engineering. The department is home to 23 full-time faculty, approximately 500 undergraduate and 150 graduate students as well as several well-equipped laboratories in all areas of mechanical, materials and aerospace engineering. In particular, the department houses a Selective Laser Melting (SLM) machine and post-processing and characterization capabilities, such as wire-EDM, SEM, servo-hydraulic MTS machines, etc. Information on faculty, research, and degree programs in the department can be found at <http://engineering.iit.edu/mmae>. The Armour College of Engineering is home to five departments, emphasizes a broad spectrum of interdisciplinary research by faculty and students, and is committed to inclusive excellence in undergraduate, graduate and professional education. The main campus is located three miles from downtown Chicago and in close proximity to many industries in the greater Chicago area.

The application package must include (i) a cover letter, (ii) curriculum vitae, (iii) statement of research interests, (iv) statement of teaching philosophy, (v) a statement on the candidate's commitment to equity

and inclusion in education, and (vi) contact information for five references submitted as a *single* .pdf file (with file structure *lastname\_firstname.pdf* ) to [mmae-assistant@iit.edu](mailto:mmae-assistant@iit.edu) with the subject line “Manufacturing Faculty Position”. The one-page statement on equity and inclusion should address specific past and/or potential contributions to the equitable and inclusive delivery of academic instruction and support to students from diverse backgrounds, including, without limitation, individuals of different ages, races and ethnicities, abilities and disabilities, genders, religions, cultures, sexual orientations, and socio-economic conditions. To ensure full consideration, applications must be received by December 15, 2022; however, review of applications will continue until the position has been filled. Additional questions regarding the position should be emailed to Ms. Elena Magnus at [magnus@iit.edu](mailto:magnus@iit.edu).

*Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer dedicated to building a community of excellence, equity, inclusion and diversity. It is committed to fostering an inclusive environment and actively seeks applications from individuals of all backgrounds and identities regardless of race, color, sex, marital status, religion, national origin, disability, age, unfavorable discharge from the military, status as a protected veteran, sexual orientation including gender identity and expression, order of protection status, and/or genetic information. All qualified applicants will receive equal consideration for employment.*