Faculty Openings in
Next Generation Manufacturing and Enabling Methodologies

Purdue University has identified *Next Generation Manufacturing* as a major thrust for cross-disciplinary research and education. Our effort is in consonance with the national initiative to re-invigorate American manufacturing industry, stimulate economic development, and accelerate innovation. We are currently accepting applications for tenure-track and tenured positions at the Assistant/Associate/Full Professor levels in areas related to next generation manufacturing and enabling methodologies.

Purdue’s Next Generation Manufacturing initiative aims to combine latest advances in tailored materials and novel manufacturing processes; multi-scale modeling of products, services and systems; and, on-demand, customer-driven product and supply-chain design enabled by ubiquitous cyberinfrastructure to sustainably deliver personalized products, anywhere, anytime, with the efficiency of mass production. This effort builds on Purdue’s core strengths in the Colleges of Engineering and Science, the Purdue Polytechnic Institute, the Krannert School of Management, and Discovery Park, and leverages its participation in federal manufacturing initiatives.

We invite applications from candidates with research and teaching interests aligning with this initiative. Specific research fields of interest in the cluster include, but are not limited to: i) large-scale optimization, ii) cyber-enabled experimentation, iii) multi-scale predictive modeling, iv) scaling principles for novel materials and processes, v) personalization of products and services, and vi) social manufacturing.

Successful candidates will join a strong manufacturing faculty group on campus, and will have a unique opportunity to help shape Purdue’s vision and research/education agenda in manufacturing. Candidates must hold a Ph.D. or equivalent degree in a field of Engineering, Management, Science, Technology or areas related to manufacturing. They should have a distinguished academic record, exceptional potential for world-class research, and a commitment to teaching and collaborative interdisciplinary activities.

The successful candidates will conduct original research, will advise graduate students, will teach undergraduate and graduate level courses, and will perform service both at the School and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply. The primary faculty appointment will be in the Colleges of Engineering or Science or the Purdue Polytechnic Institute or the Krannert School of Management and will depend on the candidate’s qualifications; cross-department/school/college appointments are anticipated.

Submit applications online at [https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications](https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications), including curriculum vitae, teaching and research plans, and names of four references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on November 1, 2016, and will continue until positions are filled. A background check will be required for employment in this position.

Purdue’s main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities and events, industries, and excellent schools. Purdue and the College of Engineering have a Concierge Program to assist new faculty and their partners regarding dual career needs and facilitate their relocation.

*Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*