# Faculty Openings in
# Next Generation Manufacturing

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, the College of Agriculture, 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) multi-scale predictive modeling, ii) personalization of products and services, iii) sustainable manufacturing, iv) manufacturing in an IoT era, v) real time decision-making and optimization, vi) cyber-physical systems, and vii) 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, advise graduate students, teach undergraduate and graduate level courses, and perform service both at the School and University levels. The primary faculty appointment will be in one of the academic units in the College of Engineering, Science, Agriculture, or the Purdue Polytechnic Institute and will depend on the candidate's qualifications.

Purdue University is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Submit applications online at 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 October 1, 2017, 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, events and industries. Purdue and the College of Engineering have a Concierge Program to assist new faculty facilitate their relocation.

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