

# **Purdue University**

## **Faculty Openings in Next Generation Manufacturing**

Purdue University has identified *Next Generation Manufacturing* as a major thrust for cross-disciplinary research and education. We are currently accepting applications to fill multiple positions for tenure-track and tenured positions at the Assistant/Associate/Full Professor levels.

The ability to rapidly deliver customized, cost-efficient products and services with predictable performance is clearly the next frontier in manufacturing. 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 strengths and leverages capabilities in these areas in the Colleges of Engineering, Science, and Technology, and the Krannert School of Management, as well as Discovery Park.

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

The successful candidates will teach undergraduate and graduate courses in topics related to disciplines involved, conduct research in their field of expertise, publish and present research findings, participate in professional activities, and advise graduate student research. The primary faculty appointment will be in the Colleges of Engineering, Science, or Technology, or the Krannert School of Management, and will depend on the candidate's qualifications; cross-department/school/college appointments are anticipated.

Submit application at: <https://engineering.purdue.edu/Engr/AboutUs/Employment/Applications>. The application should include a cover letter, a complete and detailed vitae, and statements of research and teaching interests. Also, please include names, addresses, telephone numbers, and e-mail addresses for four or more references. For questions regarding the application process, please contact Marion Ragland ([ragland@purdue.edu](mailto:ragland@purdue.edu)). Screening of applications will begin October 1, 2013 and will continue until the positions are filled. A background check will be required for employment in this position.

*Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer  
fully committed to achieving a diverse work force.*