FACULTY POSITION
INTEGRATED SYSTEMS ANALYSIS AND SUSTAINABILITY
College of Engineering & College of Liberal Arts
Purdue University

As part of a university-wide cluster hire in the new focus area of "building sustainable communities," the Colleges of Engineering (COE) and Liberal Arts (CLA) are seeking applications from outstanding candidates for a tenure-track assistant or associate professor position. We seek candidates with expertise in interdisciplinary research that focuses on systems analysis approaches to solve "wicked" problems within the broad area of sustainable (resilient) complex, coupled systems. Specific areas of interest include but are not limited to: complex systems, network science, optimization, agent based simulation and uncertainty modeling. Candidates are expected to have expertise in one or more methodological approaches, and to complement Purdue's existing strengths in various engineering and social systems, such as: critical infrastructure systems; disasters and epidemics; ecosystems dynamics and interactions; energy systems; food/fiber production systems; transportation and communication networks, or healthcare. Primary (majority) appointment is expected to be in a participating unit within COE such as Industrial Engineering, Civil Engineering with a possible affiliation with Environmental and Ecological Engineering division. A joint appointment is expected to be in a participating department in CLA, such as Communication, Political Science, Anthropology, or Philosophy.

The successful candidate will have a demonstrated potential to play a vital role in Purdue's new "building sustainable communities" initiative dedicated to finding new approaches to addressing major environmental and sustainability challenges. Purdue's Center for the Environment will serve as the interdisciplinary hub for this research community. Purdue also hosts several interdisciplinary undergraduate and graduate programs focused on sustainability, including undergraduate degrees in environmental & ecological engineering and natural resources and environmental science, as well as a graduate program in Ecological Sciences and Engineering. The successful candidate will be expected to participate in and contribute to these programs as well. More information on the cluster is available at www.purdue.edu/sustainablecommunities.

Ph.D. in Engineering or related field is required at the time of appointment. The successful candidate will be expected to teach undergraduate and graduate courses, conduct research in their field of expertise, publish and present research findings, participate in professional activities and advise graduate student research. Interested individuals should submit their curriculum vitae, statements of research interests and teaching philosophy, copies of representative research publications, and contact information for five references electronically at: https://engineering.purdue.edu/Engr/AboutUs/Employment/Applications. For questions regarding the application process, please contact Marion Ragland (ragland@purdue.edu). Review of applications will begin October 15, 2013, and continue until the position is 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 workforce.