The University of Michigan’s Department of Civil and Environmental Engineering (CEE), as part of its strategic initiatives (see: http://www.cee.umich.edu/strategicdirections), has two tenure/tenure-track faculty openings in the following strategic areas: (1) Resilient Infrastructure Systems Engineering and (2) Environmental Systems Engineering. The Resilient Infrastructure Systems Engineering position is expected to be filled at the Assistant or Associate Professor level. However, exceptional candidates will be considered at the rank of full Professor. The Environmental Systems Engineering position is expected to be filled at the rank of Assistant Professor. For both positions, applicants shall have a doctorate in civil engineering, environmental engineering or a related field of study, strong interest in inter-disciplinary and cross-cutting research, and an outstanding record of scholarship, professional leadership, and experience with externally-funded research commensurate with the rank of the candidate.

The intellectual depth, innovation and promise of the candidates are of higher priority than their specific research areas. Although a non-exclusive list of areas of interest is provided below for each position, our overall goal with both searches is to identify individuals who show outstanding promise to bring new and complimentary expertise to our existing faculty. We strongly encourage potential applicants to review the department’s strategic directions and our faculty web pages to assess fit.

Resilient Infrastructure Systems Engineering: The successful candidate is expected to bring world-class research expertise that will advance our understanding of infrastructure systems, their interdependencies, and how to make them more resilient to human activities and natural events. Areas of expertise may include but are not limited to: risk and reliability modeling; technologies for designing, building, monitoring and actively managing infrastructure systems; and mobility within the built environment.

Environmental Systems Engineering: The successful candidate is expected to establish a world-class research program bridging scholarship and academic leadership in environmental engineering. Areas of expertise may include but are not limited to: reuse and recovery of resources from water; technologies that enhance water quality; health, societal and/or economic aspects of environmental systems; energy and the environment; and emerging fields in environmental engineering.

The selected candidates will be expected to teach existing undergraduate and graduate courses, as well as introduce graduate courses in their areas of expertise. The successful candidates should also establish an active research program in the CEE Department, and conduct multi-disciplinary research and teaching activities with colleagues in other Departments and Colleges.

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 in a single pdf file to: cefacsearch2012@ctools.umich.edu. All other inquiries may be directed to the search co-chairs: Dr. Victor C. Li (vcli@umich.edu, Resilient Infrastructure Systems Engineering position) or Dr. Nancy G. Love (nglove@umich.edu, Environmental Systems Engineering). Applications are requested by December 1, 2011 when the committee’s selection process will begin. However, applications will be accepted until the position is filled.

The University of Michigan is a premier public university with top-rated Engineering, Medical, Law and Business programs, and is responsive to the needs of dual career families. The College of Engineering is dedicated to the goal of building a culturally and intellectually diverse environment. The Department of Civil and Environmental Engineering is at the forefront of innovation through active collaboration with other departments in the College of Engineering as well as with other campus entities, including the School of Natural Resources and Environment, Taubman College of Architecture and Urban Planning, School of Public Health, the University of Michigan Transportation Research Institute, and the Graham Environmental Sustainability Institute. For further information about the Department of Civil and Environmental Engineering, go to: http://cee.engin.umich.edu/.