

Critical Infrastructure Systems

Dept. of Civil & Environmental Engineering

Newark College of Engineering at New Jersey Institute of Technology

The Department of Civil & Environmental Engineering invites applications for a senior level tenure-track Professor position in Critical Infrastructure Systems. The successful candidate must hold an earned doctorate in civil or environmental engineering or a closely related field, an academic profile that merits appointment as a senior faculty member with tenure in the School; a successful record of leadership, experience & management style to effect interdisciplinary education & research with openness, cooperation & shared governance. This position requires the leadership skills necessary to work with government & private sector to define a research vision & to secure grant funding. Candidates are expected to have expertise & research interest in the identification, prioritization, management & protection of critical infrastructure encompassing some of the following areas: risk assessment, integrated system modeling, safety & protection from extreme events, tunnel & bridge safety, innovative material performance, instrumentation & sensing. Candidates in different broad focus areas will be considered, including transportation systems, construction engineering & management, water resource systems & environmental systems. Candidates must be prepared to teach undergraduate & graduate courses in civil & environmental engineering & to develop new courses in critical infrastructure systems.

The dept. has 23 faculty members & provides a strong research environment with multidisciplinary research programs in the areas of Transportation, Infrastructure & Materials, Environmental Engineering & Science & Geospatial Analysis. In addition to the Newark College of Engineering, there are strong interests in infrastructure systems in several other academic units at NJIT: the New Jersey School of Architecture, the College of Computing Sciences, the College of Science & Liberal Arts & the School of Management. NJIT is a public technological research university with an annual research enterprise of over \$73 million (incl. \$30 million in federal research funding). The university has more than 8,200 students pursuing baccalaureate through doctoral degrees & is a networked, computing-intensive campus.

In considering candidate qualifications, the university reserves the right to substitute equivalent education and/or professional experience at its discretion. Applications will be accepted until the position is filled. Application pkgs. must include: detailed resume, statement of academic & research vision, the names & contact information for 5 references who can attest to achievements in research, education, scholarship & service. NJIT is an equal opportunity, affirmative action, equal access employer & especially encourages applications from minorities, women & persons with disabilities. What distinguishes NJIT from other State universities is the primary focus on the education of professionals. NJIT is designated as one of three public research universities in NJ (NJIT, Rutgers & UMDNJ).

Applications: Consideration of applicants will begin immediately. Applications should include: letter, current curriculum vitae, the names, addresses & telephone numbers of at least 5 references. **Materials should be emailed as an attachment to: Critical-faculty-search@njit.edu.** The search will not be concluded until a successful applicant is appointed.

EOE/AA

NJIT

New Jersey Institute of Technology

A Public Research University

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