

Multiple Tenure-Track Faculty Positions School of Civil and Environmental Engineering Georgia Institute of Technology

The School of Civil and Environmental Engineering at the Georgia Institute of Technology in Atlanta, Georgia, announces the opening of multiple tenure-track faculty positions in all areas of Civil and Environmental Engineering. The School is seeking to expand its research and teaching expertise in core areas of Civil and Environmental Engineering as well as in interdisciplinary areas that address global grand challenges. Preference will be given to candidates with application expertise in one or more of the School's interdisciplinary research emphases — big data and smart systems, energy stewardship, healthy communities and sustainable cities, and resilient systems and communities (see <http://www.ce.gatech.edu/research>) — and those that align with the core research areas of the Institute (see <http://www.research.gatech.edu/areas>).

Environmental Engineering: Especially in energy, biotechnology process systems (including water/wastewater treatment), air, and sustainability.

Structural Engineering/Mechanics/Materials: Especially in large-scale experimental testing; structural design to mitigate impacts of natural and man-made hazards; sustainability in structural design; resilient infrastructure systems; and innovative infrastructure materials.

Construction and Infrastructure Systems Engineering: Especially in construction safety and health; behavioral and psychological sciences; social knowledge-sharing networks; the Internet of things; big data and data mining for sustainable energy; energy simulation; thermal engineering for built environments; renewable energy; disaster recovery and prevention; and decision-making in complex systems.

Computational and/or Experimental Fluid Dynamics: Especially in turbulent simulations of environmental flow applications; hydrodynamic modeling of rivers, sediment transport, hydraulic structures, estuaries and coastal processes; water quality modeling of surface and subsurface waters; and multi-scale process modeling and integrated assessments.

Geosystems Engineering: Especially in sustainability and resilience of subsurface infrastructure systems subjected to natural and man-made hazards, including geotechnical earthquake engineering; new laboratory and field developments at the confluence of sensors; IT, high-performance computing and modeling; subsurface solutions to global problems of energy generation, capture, storage and transmission; engineered geomaterials; fundamental bio-thermo-hydro-chemo-mechanical coupled processes applied to geotechnical design.

Transportation: Especially in network modeling, safety, and policy; with application expertise in one or more of the interdisciplinary research emphases of the School, such as smart infrastructure, including networked sensors, the Internet of things, connected/automated vehicles, infrastructure maintenance planning, network resilience, energy stewardship, analysis of big data, and public health.

The School of Civil and Environmental Engineering at Georgia Tech has approximately 700 undergraduate students, 400 graduate students, and 55 tenure-track faculty.

Candidates must have completed a doctoral degree in Civil Engineering, Environmental Engineering, or related field by August 15, 2016, and will have either demonstrated, or shown a clear potential, for creative and independent research that would lead to a strong, extramurally funded research program and national and

international recognition. Incumbents will teach both undergraduate and graduate courses. Application screening begins on November 1, 2015, and will continue until December 1, 2015 or until the positions are filled. Early submissions are encouraged.

Applicants should submit a cover letter, curriculum vitae, one-page statement of research interests, one-page statement of teaching experience and interests, and names/contact information of four references in a single PDF file to: FacultySearch@ce.gatech.edu. Please format the file name as {lastname,initials}_Faculty_Search_App.pdf and include "CEE Faculty Search" and your area of specialization (e.g., "Structures") in the subject line of the e-mail.

The Georgia Institute of Technology is an Equal Opportunity/Affirmative Action employer, and applications from women and under-represented minorities are encouraged.