

Assistant Professor - Geotechnical Engineering

Department of Civil and Environmental Engineering

The Department of Civil and Environmental Engineering at Rensselaer Polytechnic Institute invites applications for a tenure-track faculty position in geotechnical engineering at the assistant professor level.

In geotechnical engineering, the department currently has 5 faculty (including a recently hired new assistant professor). Our expertise includes the areas of soil dynamics and earthquake loading, analytical and centrifuge modeling, field monitoring and health assessment, and geo-environmental engineering. We seek candidates who have teaching and research interests in computational geotechnics or geomechanics. In addition to traditional geotechnical engineering fields, it is preferred (but not required) that candidates have interest in one or more of the following emerging or established areas; thermal-hydrological-chemical-biological coupled processes, soil improvement and bioremediation processes, geophysical methods (3D-electrical resistivity, tomography, ground penetrating radar, etc.), geothermal energy exploitation, offshore geotechnics, sustainability and resilience for geotechnical systems, and high performance computing.

The successful candidate will be expected to teach applicable undergraduate and graduate courses, to develop a high-quality research program that complements and supplements the existing strengths within the Department and the School of Engineering and to engage in professional service to the school. The candidate may find it useful to collaborate with other researchers through various centers on campus including the Center for Earthquake Engineering Simulation (<http://www.nees.rpi.edu/>), the Center for Infrastructure, Transportation, and the Environment (<http://transp.rpi.edu/~CITE/index.shtml>), and the Scientific Computation Research Center (<http://www.scorec.rpi.edu/>). At minimum, candidates are expected to have a Ph.D. or foreign degree equivalent in Civil Engineering, along with the ability to demonstrate, through their records of accomplishments, promise of future distinction in scholarship and education.

Rensselaer is a private, research-oriented university in Troy, New York. The School of Engineering (<http://www.eng.rpi.edu/>) has approximately 150 faculty and 2600 undergraduate students. The Department of Civil and Environmental Engineering has 16 faculty, and approximately 325 undergraduate, and 50 MS and Ph.D. students.

Applications will be accepted until the position is filled. Applicants should send a resume, a statement of research and teaching interests, and a list of potential references to Dr. Mourad Zeghal, Search Committee Chair, Department of Civil and Environmental Engineering, Rensselaer Polytechnic Institute, 110 Eighth Street, Troy, New York, 12180 (518-276-2836; zeghal@rpi.edu). Email submission of pdf documents is acceptable and preferred. Rensselaer is an affirmative action/equal opportunity employer and specifically encourages applications from women and underrepresented minority groups.