The University of North Carolina at Charlotte invites applications for a Tenure-Track Faculty Position (#4525) in Structural Engineering

The Energy Production and Infrastructure Center (EPIC) at the University of North Carolina at Charlotte (UNC Charlotte) invites applications for a tenure-track (tenured) faculty position in the area of structural engineering, with emphasis on large-scale and/or hybrid testing, starting in the fall semester of 2014. Candidates at the level of assistant/associate/full professor will be considered, commensurate with professional experience and academic record. Candidates for all levels must hold a doctoral degree in civil engineering or a closely-related field of study, have expertise in large-scale testing of structures, and have or be qualified to obtain a professional engineer license. Candidates at the assistant professor level must demonstrate the potential to develop a recognized record of scholarship, including: a portfolio of externally-funded research, journal paper publication, and graduate student advising; render service and provide leadership to the profession; and be committed to teaching at the undergraduate and graduate levels. To be considered at the level of associate or full professor, the candidate must provide consistent evidence of these capabilities over a sustained period, commensurate with level. Candidates whose expertise also fits within the EPICs mission (available at http://epic.uncc.edu/) are particularly encouraged to apply.

EPIC was formed in response to the need for highly trained engineers qualified to meet the demands of the energy industry. EPIC is an industry/education partnership that produces a technical workforce, creates advancements in technology for the global energy industry, and supports the Carolinas’ multi-state economic and energy security. The EPIC initiative includes a 200,000 square foot, $76 million building that opened in July 2012. It houses classrooms, lecture halls, conference rooms, a clean room, a smart grid facility, and offices and laboratories for electrical, civil, environmental and computer research related to energy and energy delivery infrastructure; space for industrial partners is also available. The EPIC Building features a three-story, high-bay, structures lab with two 30 ft (9.1 m) tall reaction walls cast monolithically (L-shaped plan) that can resist more than 1 million pounds (4,450 kN) in each orthogonal direction. Two 30-ton cranes run the length of the lab. See http://epic.uncc.edu/facilities/high-bay-structures-laboratory for more information. The successful candidate will be expected to consistently use the EPIC structures lab for basic and applied research involving full-scale structural testing and to acquire funds from and actively work with the power industry, both locally and nationally, on relevant applied research that will advance the industry. At the levels of associate or full professor, the candidate will be expected to be highly involved in extending the Lab’s testing capabilities and reputation.

The Civil and Environmental Engineering Department has 20 full-time faculty members, 420 undergraduate and 98 graduate students (Fall 2012 data). Each year the department graduates approximately 90 BSCE, 30 MSCE and MSE students, and 4 PhD students through the interdisciplinary INES Ph.D. program in Infrastructure and Environmental Systems. Additional information can be found at http://cee.uncc.edu/.

Candidates should provide: (1) a cover letter, (2) a detailed CV, (3) statement of research interests (including proposed activities in the Structures Lab), (4) statement of teaching philosophy, and (5) contact information of at least three professional references. Candidates for associate/full professor are expected to elaborate on their vision for extending the capabilities and reputation of the Structures Lab. Electronic submission to https://jobs.uncc.edu, Position #4525, is required. Review of applications will begin on February 15, 2014 and will continue until the position is filled. Address inquiries to:

Chair, Search Committee
Department of Civil and Environmental Engineering
University of North Carolina at Charlotte
Charlotte, NC 28223-0001
chairstructures@uncc.edu

The University of North Carolina at Charlotte is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Visit epic.uncc.edu for more information