Florida International University is classified by Carnegie as a “R1: Doctoral Universities - Highest Research Activity” and recognized as a Carnegie Community Engaged university. It is a public research university with colleges and schools that offers bachelor’s, master’s and doctoral programs in fields such as business, engineering, computer science,
international relations, architecture, law and medicine. As one of South Florida's anchor institutions, FIU contributes almost $9 billion each year to the local economy and is ranked second in Florida in Forbes Magazine’s “America’s Best Employers” list. FIU graduates are consistently among the highest paid college graduates in Florida and are among the leaders of public and private organizations throughout South Florida. FIU is Worlds Ahead in finding solutions to the most challenging problems of our time. FIU emphasizes research as a major component of its mission with multiple state-of-the-art research facilities including the Wall of Wind Research and Testing Facility, FIU's Medina Aquarius Program and the Advanced Materials Engineering Research Institute. FIU has awarded more than 220,000 degrees and enrolls more than 54,000 students in two campuses and centers including FIU Downtown on Brickell, FIU@I-75, the Miami Beach Urban Studios, and Tianjin, China. FIU also supports artistic and cultural engagement through its three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA and more than 400 student-athletes participating in 18 sports. For more information about FIU, visit http://www.fiu.edu/.

The College of Engineering and Computing (CEC) at Florida International University (FIU) invites applications for tenured/tenure-track, open rank faculty position beginning Fall 2018. Outstanding candidates are sought with expertise with specialization in:

- Computational Modeling and Visualization (1 position)
• Infrastructure and Disaster Risk / Vulnerability Reduction (2 positions)

These positions are part of a cluster hiring initiative to grow pre-eminent areas of research excellence at FIU. The applicants may have joint appointments in multiple departments. Applicants must have a Ph.D. degree or equivalent in Mechanical Engineering, Civil Engineering or a related field, demonstrated a record of scholarly work commensurate with rank and commitment to teaching a diverse set of undergraduate and graduate students in the area Mechanical Engineering and/or Civil Engineering. The candidate will work closely with the Bridge Engineering, Extreme Events Institute, Sea Level Rise Center, Southeast Environmental and Research Center, and Advanced Materials Engineering Research Institute (AMERI). A brief description for each position is described below:

1. **Computational Modeling/Virtual Reality**: Candidates are sought in the area of Virtual Reality applications in large infrastructure engineering including Computational fluid dynamic (CFD), virtual assembly, virtual manufacturing, and mechanism synthesis; optimization; fundamentals of engineering design including design ideation and concept generation and human-computer The candidate is expected to work across several centers and department including Integrated Computer Augmented Virtual Environment (ICAVE) and Built Environment Informatics Lab (BILT).

2. **Infrastructure and Disaster Risk / Vulnerability Reduction**: Candidates are sought with an expertise in system of systems, risk and reliability,
sustainable infrastructure, Design optimization and equilibrium modeling in energy environment, Algorithm development for multi-level engineering-economic applications, Approximation assisted optimization, Multi-physics damage modeling and structural durability, and Design Decision Support System integrating engineering models with the information from the surveys. The candidates are expected to work with another faculty in the area of community resilience to long-term environmental stress increases (e.g., sea level rise or climate shifts) and the interaction of those stresses with relatively quick onset shock events (e.g., hurricanes, storm surge, flooding).

Qualified candidates are encouraged to apply to Job Opening ID 514707 at facultycareers.fiu.edu and attach a cover letter, curriculum vitae with lists of publications and research grants, a statement of research experience and plans, a statement of teaching experience and interests, and contact information for three references as a single pdf file. References will be contacted as determined by the search committee. Review of applications will start on March 10, 2018 however, search will continue until positions are filled.

*FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer. All qualified applicants will receive consideration for employment*
without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Apply Here

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