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## Job Details

Title: Assistant/Associate/Full Professor - Civil and Materials Engineering (Job ID #87547)

Department: Engineering/Civil and Materials Engineering

Category: Faculty

Location: Chicago

Close Date: 12/01/2017

Description: The Department of Civil and Materials Engineering (CME), University of Illinois at Chicago, invites applications for a full-time faculty position at Assistant/Associate/Full Professor level in Materials Engineering.

Tenure-track position requires specialization in materials engineering especially those with expertise in one the following three areas:

- Theoretical and computational material science including quantum scale modeling and multiscale approaches
- Structural materials such as intelligent/living and adaptive materials and structures, green/sustainable material systems and structures, corrosion, and welding.
- Scalable synthesis and assembly of new material systems in combination of polymers, biomolecular materials, metals and ceramics for building advanced functional materials and metamaterials

Exceptional candidates in other fields of materials engineering will be considered.

CME has a vibrant materials engineering program and plans to grow in the coming decade by investing in opportunities for leadership in materials engineering in the Chicago area and serving the underrepresented communities through educational initiatives. The departmental faculty members are highly involved in conducting interdisciplinary research. Opportunities are available to collaborate with UIC's other departments, including Mechanical and Industrial Engineering, Bio Engineering, Chemical Engineering, Electrical and Computer Engineering, College of Medicine, and Physics. Department is also building collaborations with the Argonne National Laboratory in advanced experimental and computational research in materials science and engineering.

The Department offers BS, MS, and PhD degrees in Civil Engineering, and MS and PhD degrees in Materials Engineering, and currently has an undergraduate enrollment of about 320 and a graduate enrollment of about 170. More information about the Department can be found at <http://www.cme.uic.edu>.

Successful candidate will possess a PhD (or equivalent) in Materials Science and or Engineering or a closely related field, and will be expected to establish strong sponsored research program; teach; develop undergraduate and graduate courses; and advise students. The successful candidate will be expected to perform interdisciplinary research, interface with industry, federal, state, national labs (e.g., Argonne), and other governmental agencies to attract external funds for support of research, provide service to the university and the profession and publish in technical journals.

UIC's College of Engineering's annual research expenditures exceed \$27 million. The campus is in the heart of the vibrant cultural, economic and medical hubs of the city, and adjacent to high-tech suburban corridors that include prominent national laboratories and industries, offering unique advantages and considerable growth

potential for interactions with industry. UIC is the largest institution of higher learning in the Chicago metropolitan area, with an annual budget in excess of \$2 billion. It is one of only four Carnegie Foundation Research-I universities in the State of Illinois.

Qualified applicants are required to send a letter of application indicating their qualifications, an up-to-date CV including the names and contact information of three references, and separate statements outlining their future teaching and research plans. For fullest consideration, applications must be submitted online at <http://jobs.uic.edu>. Review of applications will start on December 11, 2017 and applications will be accepted until the position is filled. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act. As an EOE/AA employer, the University of Illinois will not discriminate in its employment practices due to an applicant's race, color, religion, sex, national origin, and veteran or disability status.

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