Faculty Position in Informatics Applied to Chemical and Biochemical Systems
Department of Chemical and Biochemical Engineering

The University of Iowa invites outstanding applicants for a tenure-track faculty position in the Department of Chemical and Biochemical Engineering. The position is targeted at the Assistant Professor level but all ranks will be considered. Applicants must have a PhD or equivalent degree in Chemical Engineering or in an engineering or scientific discipline appropriate to their research focus. Potential for excellence in research and teaching is essential. This position is targeted to those working in research focused on the application of informatics to climate, energy, air pollution, environmental systems and related topics (e.g., energy systems design, sensor networks, combinatorial design, cheminformatics, etc.). The successful candidate is expected to develop an internationally recognized research program and to contribute fully as a scholar through teaching of undergraduate and graduate courses and through service to science and engineering.

For more than 100 years, The University of Iowa has been preparing students for careers in chemical engineering. Today, with approximately 200 undergraduate and 35 graduate students, the Department of Chemical and Biochemical Engineering is a thriving program with strong ties to medical and environmental sciences. Interdisciplinary research is a strength, with close interactions with chemical and health science departments throughout the university. This position builds upon a new Informatics Cluster hire described below coupled with strengths within the department and college related to renewable energy, air quality, environmental engineering, and environmental change.

Informatics is a strategic priority of the university, College of Engineering, and the department. The current position is a part of the University of Iowa Informatics Initiative, which includes the recent "cluster hire" of 20 new interdisciplinary faculty members to advance informatics education, training, research. The candidate will join a growing cluster of faculty working on applied issues in informatics and big data, supplementing existing faculty and recent additions to the cluster working in both fundamental and applied informatics. The candidates are expected to develop independent research programs, become part of the anticipated Institute of Informatics, and collaborate closely with one or more additional centers or research institutes at the University of Iowa (e.g. IIHR Hydroscience and Engineering, Center for Global and Regional Environmental Research). Participation in the Informatics Cluster will be an important component in performance evaluations.

The target starting date for this position is August 2015. The search committee chair is Charles O. Stanier. Send nominations or questions to **charles-stanier@uiowa.edu**. Initial screening of applicants will begin in October 2014. Recruiting will continue until the position is filled.

The University of Iowa is an equal opportunity and affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The College of Engineering is committed to building a welcoming and inclusive academic community with the support systems for all persons to thrive. The Chemical and Biochemical Engineering Department is a leader in this effort and strongly encourages applications from women and minorities.

Education Requirement:
- Applicants must have a PhD or equivalent degree in Chemical Engineering or scientific discipline appropriate to their research focus

Required Qualifications:
- Strong commitment to effective teaching and mentoring students.
- Potential to develop a nationally recognized externally funded research program.
- Excellent communication skills.

Desirable Qualifications:
- Evidence of interdisciplinary collaboration.
- Evidence of ability to attract external funding.
- Commitment to a welcoming and inclusive environment.
- Targeted research focused on the application of informatics to climate, energy, air pollution, environmental systems and related topics (e.g., energy systems design, sensor networks, combinatorial design, cheminformatics, etc.).
- Potential for contribution to multidisciplinary Informatics Cluster initiative and anticipated Institute of Informatics.
- Experience with mentoring chemical engineering students.

For more information, go to jobs.uiowa.edu
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