Prospective Students    Student Services    Research    Corporate    Alumni    Academic Departments

# Chemical and Biological Engineering

CBE Department    Prospective Students    Current Students    Research    Alumni

Employment

# "Big Data" University-Wide Faculty Hire

Iowa State University has launched the Presidential High Impact Hires Initiative to support targeted faculty hiring in areas of strategic importance. A cluster hire of 12 faculty in five colleges within the strategically important area of **Big Data** is included among the 29 high-impact hires targeted in this Presidential Initiative.Faculty will be placed in relevant departmental homes, but are expected to develop interdisciplinary collaborative programs in this broad area.

As part of the initiative, the College of Engineering at Iowa State University ([www.engineering.iastate.edu](www.engineering.iastate.edu)) invites applications for multiple tenure-track or tenured faculty positions at the Assistant, Associate, or Full Professor ranks to begin in Fall 2014. We encourage applications from experimentalists and/or computational specialists in all engineering disciplines who are interested in working in any aspect of **Big Data**. This includes research on enabling **Big Data** (e.g. data mining; information management; data fusion; data visualization; etc.) as well as on applying **Big Data** (e.g. bio- and materials-informatics; analysis, simulation, and design of large-scale complex engineered systems; sensor technologies; agricultural and environmental systems; multi-scale modeling; etc.).

Successful candidates will teach undergraduate and graduate courses, develop a vibrant and

impactful research program, and engage in professional and institutional service and leadership.

Iowa State University is a comprehensive, land grant, Carnegie Doctoral/Research Extensive University with an enrollment of over 33,000 students.The College of Engineering comprises 8 departments, with over 230 faculty members and annual research expenditures exceeding $80 million.Iowa State's nearly 2,000-acre campus is located in the city of Ames, Iowa, which is consistently ranked within the top ten most livable small cities in the nation.

The College of Engineering is nationally recognized for its interdisciplinary research and educational programs in traditional and emerging areas of engineering.Opportunities for research collaboration exists across our many centers and institutes (www.engineering.iastate.edu/research/centers-and-institutes/), as well as across engineering departments and other colleges. With an enrollment of over 7000 undergraduate and nearly 1150 graduate students, the college's student body is one of the largest in the country.

Iowa State University is an equal opportunity employer committed to excellence through diversity and strongly encourages applications from all qualified applicants, including women and minorities.The College of Engineering is responsive to the needs of dual career couples and is dedicated to work-life balance through an array of family-friendly policies.

All faculty members are expected to interact collegially and maintain the highest standards of integrity and ethics.

## Required Qualifications

Candidates must hold an earned Ph.D. or equivalent degree in engineering or a closely related field.

Candidates for the ranks of Associate or Full Professor must, in addition, have a record of scholarly achievement commensurate with such appointments.

## Preferred Qualifications

Demonstrated/potential to be able to sustain an externally funded research program, teaching experience in higher education, a compelling research agenda, engagement/leadership in professional organizations.

**To apply for this position cut and paste this address into your web browser**: www.iastatejobs.com/applicants/Central?quickFind=84629

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