

## POSITIONS AVAILABLE

### MATERIAL ENGINEER

Conduct measurement of the electrical properties of silicon material and silicon wafers. Develop new algorithms of semiconductor property measurement. Provide technical support to customers when needed. MSc in Material Science & Engineering required. **Send ad w/resume to: SRS, Inc., 322 N. Aviator St., Camarillo, CA 93010.**

### RESEARCH & DEVELOPMENT ENGINEER

InnovaLight, a fast-growing startup company in Austin, TX, is focused on developing products around its novel, luminescent silicon nanoparticles. We are currently seeking scientists and engineers with extensive knowledge of gas and plasma processes for materials synthesis. A thorough understanding of gas-phase materials processing, vacuum equipment and aerosol characterization is required. Preference will be given to candidates who have practical experience designing and operating gas- or plasma-phase systems for particle synthesis. The successful candidate will have a PhD in an appropriate technical discipline or equivalent. Flexibility and desire to work in a startup environment are key requirements. We are funded by a group of well-established VC firms and offer a competitive salary, options, and benefits package. **Send resumes to [jobs@innovalight.com](mailto:jobs@innovalight.com), referencing job code CPE2 in the subject line. If attending the AIChE meeting, please mention when responding.**

### RAINDANCE TECHNOLOGIES, INC.

is a microfluidics startup company developing proprietary microreactor technology. We are looking for motivated individuals to join a team of scientists and engineers. We have opportunities for people with backgrounds in chemical engineering, biology, optical detection, electronics, and interface science. This is an opportunity to take part in the inception of a technology driven company. **For job descriptions see <http://www.raindancetechnologies.com/jobs.html>.**

## ACADEMIC OPENINGS

### CARNEGIE MELLON UNIVERSITY, CHEMICAL ENGINEERING TENURE-TRACK FACULTY POSITIONS

The Department of Chemical Engineering at Carnegie Mellon is seeking applicants for one or two tenure-track faculty positions preferably at, but not restricted to, the Assistant Professor level. We seek outstanding candidates who are committed to excellence in education and research. Candidates must hold a PhD degree, in chemical engineering or a related discipline. While all research areas will be considered, candidates with backgrounds and research interests appropriate for a 50/50 joint appointment between Chemical Engineering and the newly formed Biomedical Engineering Department will receive special attention. Candidates with clearly articulated interests in policy will be considered for a 50/50 joint appointment with the Department of Engineering and Public Policy. **Applicants should submit a CV, statement of**



## Chemical and Biological Engineering Tufts University

### Faculty Position Opening

Tufts University invites applications for a tenure-track faculty position in the Department of Chemical and Biological Engineering. The opening is at the rank of Assistant or Associate Professor. However, exceptional senior candidates will be considered for appointment at the rank of Full Professor. The department seeks candidates with a Ph.D. degree in Chemical Engineering or related field, and excellent qualifications in teaching and scholarship. The primary area of interest is biological or biochemical engineering. Candidates in the areas of nanotechnology, energy, and process systems engineering with a strong Chemical Engineering background and broad research interests are also invited to apply.

In 2000, the Department of Chemical and Biological Engineering was the first in the US to adopt a name that reflects extension of the powerful Chemical Engineering paradigm to the frontiers of modern biology. Since then there were three successful hires, two at the Assistant Professor rank with a Biological Engineering emphasis and a new chairman. The Department is committed to continue the rapid expansion of its research activities and the development of the new integrated curriculum in chemical and biological engineering.

At Tufts there are ample opportunities for cross-disciplinary collaborations with the other engineering and science departments, and the Medical, Dental, Nutrition and Veterinary Schools. The vibrant high tech community and especially the biotechnology and pharmaceutical industries in the Boston metropolitan area, where Tufts is located, avail a multitude of interactions.

Review of applications will begin on November 1, 2004 and continue until the position is filled. Send a cover letter, curriculum vitae, list of publications, list of four references and a concise plan for your teaching and research plans to: *Prof. Christos Georgakis, Chair, Department of Chemical and Biological Engineering, Tufts University, 4 Colby St., Medford, MA 02155*. Please transmit all application materials electronically in PDF format to [ChBE@tufts.edu](mailto:ChBE@tufts.edu). All applications will be treated with the appropriate confidentiality. Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty. Members of underrepresented groups are strongly encouraged to apply.

For information about the unique cultural and recreational activities in the Boston metropolitan area, visit <http://boston.com>. For additional information about the department, please visit <http://ase.tufts.edu/chemical>.

**SEE MORE JOB LISTINGS ONLINE!**

[www.cepmagazine.org/jobposting.asp](http://www.cepmagazine.org/jobposting.asp)



research and teaching interests, and the names of three references to: Dr. Dennis Prieve, Chemical Engineering Department, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890. E-mail: [dcprieve@andrew.cmu.edu](mailto:dcprieve@andrew.cmu.edu). We would appreciate receiving your application electronically (as a PDF file) and by November 1, 2004. Carnegie Mellon University is an Equal Opportunity/Affirmative Action/Equal Access Employer. For more information, see <http://www.cheme.cmu.edu>.

**JOHNS HOPKINS UNIVERSITY, FACULTY OPENINGS: TENURE-TRACK AND LECTURER POSITIONS, DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING**

The Johns Hopkins University Department of Chemical and Biomolecular Engineering seeks outstanding applicants for both tenure-track faculty and lecturer positions at all levels. Candidates who hold a doctorate in chemical engineering or a related field should apply. Tenure-track positions: Applicants in all areas of chemical and biomolecular engineering including bioengineering, colloids and surface sciences, nanotechnology, and materials will be considered. Applicants should send (preferred) or e-mail a resume, statement of research plan, and names of at least three references to the Chair at the address listed below. Lecturer positions: Several non-tenure track Lecturer positions will be available for candidates interested in teaching undergraduates. **Applicants should send a resume, statement of teaching plan, and three references to Professor Michael J. Betenbaugh, Chair, Department of Chemical and Biomolecular Engineering, Johns Hopkins University, 3400 N. Charles Street, Baltimore MD 21218. Telephone: (410) 516-7170; e-mail: [mcclancy2@jhu.edu](mailto:mcclancy2@jhu.edu).** Women and minorities are strongly encouraged to apply. Johns Hopkins University is an EEO/AA Employer.

**TENURE-TRACK PROFESSOR, CHEMICAL ENGINEERING  
UNIVERSITY OF MINNESOTA**

The Department of Chemical Engineering and Materials Science at the University of Minnesota seeks to fill a faculty position in chemical engineering at the assistant (tenure track), associate or full (tenure track or tenured) professor level. Assistant professor candidates should have a distinguished academic record, including a PhD degree, outstanding potential for establishing an independent research program, and a commitment to both undergraduate and graduate teaching in a highly interdisciplinary department. The department will consider outstanding candidates in any area of chemical engineering or materials science and engineering. Associate and full professor candidates should also have several years of quality teaching and/or research experience and a proven publication record. **Send a complete CV including a list of publications, research plan, teaching plan, and three references, to the Chemical Engineering Search Committee Chair, Department of Chemical Engineering and Materials Science, University of Minnesota, 151 Amundson Hall, 421 Washington Avenue SE, Minneapolis, MN 55455.** Information on the Department, the current faculty and the University is available at <http://www.cems.umn.edu>. Review of the applications will begin on December 1, 2004, and continue until the position is filled. It is hoped that the successful candidate will be in place for the start of the Fall Semester 2005. The University of Minnesota is an Equal Opportunity Educator and Employer.

**THE DEPARTMENT OF CHEMICAL & BIOLOGICAL ENGINEERING, UNIVERSITY OF WISCONSIN-MADISON** seeks outstanding individuals with a PhD and a strong background relevant to chemical or biological engineering. These tenure track positions will be at a rank commensurate with the qualifications and background of the successful candidates. Candidates should have a distinguished academic record, exceptional potential for creative research, and a commitment to both undergraduate and graduate instruction. For more senior applicants, an outstanding reputation in the field of specialty is a prime requirement. **Applications with supporting documents and a list of at least three references should be sent to Professor Michael D. Graham, Faculty Search Committee, Department of Chemical & Biological Engineering, University of Wisconsin-Madison, 1415 Engineering Drive, Madison, WI 53706.** The Search Committee will begin reviewing applications in October, 2004. Applications received prior to December 31, 2004 will receive full consideration. The University of Wisconsin is an Equal Opportunity/ Affirmative Action Employer.

**ENDOWED CHAIR POSITION, TULANE UNIVERSITY, DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING**

We invite applications and nominations for The Herman and George R. Brown Chair in Engineering. We seek an outstanding individual with a PhD in Chemical Engineering or closely related field, with an internationally-distinguished record of research and publication, a strong commitment to both undergraduate and graduate instruction, and a demonstrated ability to attract external research support. All research areas will be considered. We especially encourage applications from women, minorities, and persons with disabilities. **Applicants should submit a curriculum vitae, research and teaching plans, and a list of at least three references to: Chair, Endowed Chair Search Committee, Department of Chemical and Biomolecular Engineering, Tulane University, New Orleans, LA 70118.** Complete applications should be received by December 31st, 2004 for full consideration; applications will be accepted thereafter until the position is filled. Tulane is an Affirmative Action, Equal Opportunity Employer.

**CLEMSON UNIVERSITY CHEMICAL ENGINEERING**

Faculty position(s): The Department of Chemical Engineering at Clemson University invites applications for appointment at the level of Assistant, Associate, or Full Professor, commensurate with the candidate's experience and level of achievement.

For senior appointment(s), candidates will have developed an active, internationally recognized research program. The research area is open, but candidates in bio-related and advanced materials fields are especially encouraged to apply. Candidates should have a PhD in chemical engineering or related fields. **Applicants should submit hard copies of a resume, a statement of research and teaching interests, and names and addresses of three references to Chair of the Faculty Search Committee, Department of Chemical Engineering, Clemson University, Clemson, SC 29634-0909.** Review of applications will begin on October 15, 2004. Applications received by December 15, 2004 will receive full consideration, with the review process continuing until the positions are filled. Information about the department is available at <http://www.ces.clemson.edu/chemeng/>. Clemson is the land grant university for the state of South Carolina and is an Equal Opportunity/Affirmative Action Employer.

**CHEMICAL ENGINEERING DEPARTMENT,  
UNIVERSITY OF FLORIDA, GAINESVILLE**

The Chemical Engineering Department at the University of Florida invites applications or nominations for tenure-track faculty positions starting in Fall 2005. The department expects to make two appointments, one in the area of bio-nano technology and a second unrestricted appointment. We are searching for outstanding candidates with a PhD in Chemical Engineering or a related area. Responsibilities include developing and conducting sponsored research, teaching at the graduate and undergraduate levels, supervising the educational and research programs of graduate students, and participating in departmental, college, and university affairs. Rank and starting salary are negotiable. **Please send a curriculum vitae, detailed research and teaching interests, a list of at least three references, and no more than two key reprints (or preprints) to Chair, Faculty Search Committee, Department of Chemical Engineering, University of Florida, PO Box 116005, Gainesville, FL 32611-6005. The application deadline is December 17, 2004.** The University of Florida is an equal opportunity institution, and women and minorities are strongly encouraged to apply.

**THE DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING AT THE UNIVERSITY OF WYOMING** has two openings for a tenure-track Assistant/ Associate/Full Professor of Chemical and Petroleum Engineering. An earned doctorate in chemical engineering or closely related discipline is expected. The successful candidates will be qualified to teach undergraduate courses in chemical engineering and to develop externally funded research programs. The University of Wyoming is committed to building a strong program in fossil energy research. One of the open-

**The Petroleum Institute in Abu Dhabi**



**Program Faculty, Chemical Engineering**

The Petroleum Institute in Abu Dhabi is seeking applications for Chemical Engineering faculty. Program faculty report directly to the Program Director who has overall responsibility for leadership of the Chemical Engineering program. Applicants should possess an earned PhD degree in Chemical Engineering or a closely related field; relevant industrial experience is also highly desirable. Appointments at all levels (Assistant Professor, Associate Professor, Professor) are available.

Program faculty in Chemical Engineering will teach undergraduate and graduate courses, develop an active research program, and will engage in professional service and institutional and professional committee work. Opportunities to interact with PI industrial stakeholders and other local industries will be a key feature in the development of a research program. Chemical Engineering faculty will work closely with the Program Director to develop departmental budgets and appropriate departmental and institutional staffing plans.

The Petroleum Institute opened in September of 2001 in newly-constructed office, laboratory, and classroom facilities. The Chemical Engineering Program has an operating budget that is being sized for excellence in the area of faculty development and the provision of program resources.

The total compensation package includes a 12-month base salary, and a benefits allowance that covers housing, utilities, initial furnishings, transportation (automobile purchase loan), health insurance and annual leave travel. Applicants must be in excellent health and will be required to pass a pre-employment physical.

An appointment is desired in early summer, 2005, and should continue for at least three years. The Petroleum Institute is affiliated with the Colorado School of Mines, and additional information can be found at the PI website: [www.pi.ac.ae](http://www.pi.ac.ae).

**Interested candidates should submit a letter of application and a detailed resume electronically to Mohamed Kassim ([mkassim@pi.ac.ae](mailto:mkassim@pi.ac.ae)). Please only submit a hardcopy application if you can not do so electronically to: Mohamed Kassim, Executive Director's Office, The Petroleum Institute, P.O. Box 2533, Abu Dhabi, United Arab Emirates** Candidates are encouraged to submit applications as soon as possible but no later than December 31, 2004



ings will have emphasis on oil and gas recovery; for example, in the areas of interface and colloid phenomena and multiphase flow in porous media. The other position is open for all research interests but the department has special interest in biomaterial/biomedical and energy-related areas. **Candidates are invited to mail or email their application, resume, statements of teaching and research interests, selected reprints of recent papers and contact information for at least three references to: Dr. Brian Towler, Head, Department of Chemical and Petroleum Engineering, University of Wyoming, Dept. 3295, 1000 E University Ave., Laramie, WY 82071. <email to: margep@uwyo.edu> Tel: (307) 766-2500.** We will begin the application review process 12/31/04. A preferred starting date is August 23, 2005. The University of Wyoming is an AA/EEO employer.

**THE DEPARTMENT OF CHEMICAL AND BIOMEDICAL ENGINEERING AT THE FAMU-FSU COLLEGE OF ENGINEERING** (The College of Engineering is jointly operated by FLORIDA A & M UNIVERSITY AND FLORIDA STATE UNIVERSITY) invites applications for faculty positions beginning August, 2005. Although rank is open, the Department is seeking highly qualified and enthusiastic individuals, at the Assistant or Associate Professor level, with demonstrated experience in building an externally funded research program of international repute. The research area is open, however, candidates who can build upon the existing strengths of the Department and Universities are particularly encouraged to apply. (Please see the Department web page for more details <http://www.eng.fsu.edu/cheme/faculty/>). Selected individuals must be strongly committed to developing an outstanding research program and to graduate and undergraduate education. Salary will be commensurate with qualifications and experience. Candidates must have an earned doctorate in either chemical engineering or a closely related field. **Qualified applicants should submit curriculum vitae, a detailed statement of research and teaching interests, and a list of three references, to Dr. Rufina G. Alamo, Chair of Faculty Search Committee, Department of Chemical Engineering, FAMU-FSU College of Engineering, 2525 Pottsdamer St., Tallahassee, FL 32310-6046. Applications must be postmarked by November 30, 2004, to receive consideration.** The FAMU-FSU College of Engineering is an AA/EEO employer; applications from members of underrepresented groups are especially encouraged to apply.

#### UNIVERSITY OF SOUTH CAROLINA DEPARTMENT OF CHEMICAL ENGINEERING

We invite applications for multiple tenure-track positions at all ranks. We seek individuals possessing an outstanding academic record, a commitment to excellence in undergraduate and graduate education, and the ability to establish a vigorous research program. Candidates with backgrounds in biomedical engineering, computational chemistry, or other areas that complement our existing strengths (electrochemical systems, catalysis, materials – see [www.che.sc.edu](http://www.che.sc.edu)) are especially encouraged to apply. We anticipate additional chaired positions to become available in the areas of hydrogen storage, polymer nano-composites, and electrochemical sensors for fuel cells. **Please send a curriculum vitae, descriptions of research and teaching plans, representative publications, and a list of references to either [che-faculty-search@engr.sc.edu](mailto:che-faculty-search@engr.sc.edu) or Dr. John W. Van Zee, Faculty Search Committee, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208.** Review of applications will begin on October 25, 2004, and will continue until the positions are filled. The University of South Carolina is an Affirmative Action, Equal Opportunity Employer.

#### CHAIR OF THE DEPARTMENT OF CHEMICAL AND BIOMEDICAL ENGINEERING, FLORIDA A & M UNIVERSITY - FLORIDA STATE UNIVERSITY, COLLEGE OF ENGINEERING

The Department of Chemical and Biomedical Engineering at the FAMU-FSU College of Engineering invites applications and nominations for the position of Chair of the Department starting August 2005. The department presently has 13 faculty members and offers curricula leading to BS, MS and PhD degrees in Chemical Engineering and MS and PhD degrees in Biomedical Engineering. The faculty of the department is committed to exceptional teaching and research activities in the fields of polymeric and bio-materials, non-thermal plasmas, control, transport in porous media and cellular and tissue engineering. The department has close associations with several research institutions at the two universities, including the National High Magnetic Field Laboratory (NHMFL), the FSU School of Computational Science and Information Technology (CSIT), the FSU Center for Materials Research and Technology (MARTECH), the FSU

College of Medicine, the FAMU School of Pharmacy and the Florida Advanced Center for Composite Technology. More details can be found at <http://www.eng.fsu.edu/cheme/faculty>. Potential candidates must have a record that demonstrates leadership, accomplishment in both research and scholarship, and a strong commitment to raising the national standing of the department. The Chair reports directly to the Dean of the College of Engineering and is responsible for all administrative, budgetary and personnel decisions within the department consistent with the missions of both Florida A & M University and Florida State University. The appointment will be at the rank of Full Professor. Salary will be commensurate with qualifications and experience. **In order to ensure full consideration, applications should be received no later than November 30, 2004. Candidates should send a full resumé, list of at least three references including address, phone and email, and two detailed statements: one on his/her vision for leading the department toward higher standings in research, education and external partnerships, and a second on his/her personal research and teaching interests. Application materials should be sent to: Chair Search Committee, Department of Chemical Engineering, FAMU-FSU College of Engineering 2525 Pottsdamer Street, Tallahassee, FL 32310-6046.** The Florida State University subscribes to equal opportunity and pluralism and complies with the Americans with Disabilities Act. All eligible candidates are, therefore, invited to apply for position vacancies as appropriate. FSU is a public records agency pursuant to Chapter 119, Florida Statutes.

**THE DEPARTMENT OF CHEMICAL ENGINEERING AT VANDERBILT UNIVERSITY** invites applications for a faculty position at the Assistant Professor level for Fall 2005. The area of the search is bioengineering. A PhD with a distinguished academic record is required. Responsibilities include teaching undergraduate and graduate courses and leading an externally funded, scholarly research program. We seek candidates who can contribute fundamentally and broadly, through experiments and/or computations, to bioengineering, with possible secondary interests in our other two focus areas of materials and environmental engineering. Interdisciplinary research opportunities exist at Vanderbilt with researchers in other departments. These include the Department of Biomedical Engineering in the School of Engineering, Departments of Chemistry and Physics in the College of Arts and Science, and Departments of Biomedical Informatics, Biostatistics, and Pharmacology within the School of Medicine. In the area of the biological sciences and engineering, opportunities for collaboration exist through University-supported interdisciplinary research initiatives such as the Vanderbilt Institute for Integrative Bioengineering Research and Education (VIBIRE), the Vanderbilt Institute for Chemical Biology (VICB), the Biomathematics Study Group, and the



At Purdue, computational nanotechnology includes research on particle dynamics.

# A University of Expanding Opportunities

Purdue's Schools of Engineering announce the creation of eight signature areas addressing national priorities and promising tremendous international impact. These areas reflect multidisciplinary strength across Purdue's engineering and related disciplines and present opportunities for field defining research, educational innovation, and IP spin-off. Purdue Engineering is investing in 75 new faculty positions and a \$400 million facilities expansion and upgrade to ensure unparalleled excellence in these interests:

- Advanced materials and manufacturing
- Global sustainable industrial systems
- Information, communications, and perception technologies
- Intelligent infrastructure systems
- Nanotechnologies and nanophotonics
- Renewable energy and power systems
- System of systems (the analysis and synthesis of very large systems)
- Tissue and cellular engineering

Through a "cluster hiring" process, we will hire at all classifications and across disciplines over the next five years, increasing faculty diversity as well as size. This unprecedented growth supports our vision for achieving preeminence in discovery, learning, and engagement.

To help us achieve our vision, Purdue has created Discovery Park, an environment for multidisciplinary work in strategically important areas. Expected to cost more than \$100 million in facilities and \$50 million in programs, Discovery Park will encompass five new buildings: the Birck Nanotechnology Center, the Bindley Bioscience Center, the Burton D. Morgan Center for Entrepreneurship, the E-Enterprise Center, and the Discovery Learning Center. (Completion of the first three is expected in 2005.) University plans also call for additional multimillion-dollar investments in multidisciplinary life sciences facilities and initiatives.

For more information on Purdue Engineering's signature areas and related faculty positions, contact the area chairs at <https://engineering.purdue.edu/Engr/Cluster/>.

In order to be considered for a faculty position, please send a complete curriculum vitae, statement of teaching interest, statement of research interests, and the names and addresses of three references to:

Linda P. B. Katchi  
John A. Edvardson Dean of Engineering  
Purdue University  
Schools of Engineering  
400 Centennial Mall Drive  
West Lafayette, IN 47907-2016

Purdue University is an equal opportunity/equal access/affirmative action employer.



## PURDUE UNIVERSITY

Vanderbilt Institute for Nanoscale Science and Engineering (VINSE). Vanderbilt University, a national arboretum, is located on 330 park-like acres one and one-half miles from downtown Nashville. The University has ten schools, which provide a full range of undergraduate, graduate, and professional programs. Faculty share a commitment to excellence in teaching at all levels. **Interested persons should send their curriculum vitae, a statement of research and teaching interests, and names and addresses of three or more references to Prof. M. Douglas LeVan, Chair, Department of Chemical Engineering, Vanderbilt University, VU Station B 351604, Nashville, TN 37235.** Women and minorities are strongly encouraged to apply. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.

**UCLA CHEMICAL ENGINEERING DEPARTMENT** is seeking applicants for a faculty position effective 2005/2006 academic year. Candidates must have a PhD degree in chemical engineering or a related field, and be able to teach undergraduate and graduate courses and direct MS and PhD theses. All ranks will be considered and the research area is open. At the assistant professor level we are looking for candidates with distinguished academic records, who will develop imaginative research and teaching programs, and will become future leaders in the profession. Associate and full professor candidates should be nationally recognized for their accomplishments. **Resumes, reprints of selected publications, a statement of research plans and a list of four references should be forwarded to: Prof. Vasilios Manousiouthakis, Chair, UCLA Chemical Engineering Department, Box 951592, Los Angeles, CA 90095-1592.** UCLA is an Equal Opportunity/Affirmative Action Employer.

**THE UNIVERSITY OF WYOMING** invites applications and nominations for the first Cline Distinguished Chair in Engineering, Environment, and Natural Resources. We seek an individual with an exceptional record of scholarship and a background in the general area of environment and natural resources and the related public policy issues. The successful applicant will be expected to establish a strong, funded research program, as well as teach at the graduate and undergraduate levels. The Chair will provide leadership and vision for interdisciplinary curricula at the graduate and undergraduate levels in the area of environment and natural resources. She/He will be expected to interact with the School and Institute of Environment and Natural Resources by contributing to the development of public policy related to the utilization of natural resources and sustenance of the environment. Minimum qualifications include an earned doctorate and distinguished record of scholarship consistent with a tenured appointment at the rank of Associate or Full Professor in a department of the College of Engineering. The successful candidate will have strong research credentials in one or more of the areas covered by the environment and natural resources umbrella. However, preference will be given to candidates who can build on existing strengths within the College or/and have an interest in areas important to the State. The University of Wyoming is a Carnegie Foundation Research/Doctoral Extensive University. As the only public four-year institution of higher learning in Wyoming, it enjoys a distinctive leadership role in the state and region. The main campus is in Laramie, a city of 27,000 people perched in a scenic valley between the Laramie and Medicine Bow Ranges of the Rocky Mountains. A variety of cultural, sporting, and outdoor activities is available. More information about the University is available at: <http://www.uwyo.edu>. **Interested applicants are requested to send a letter of application, curriculum vitae, and contact information of three professional references to: Cline Chair Search Committee, Dept. 3295, 1000 E. University Avenue, University of Wyoming, Laramie, WY 82071, Phone: 307-766-2122.** The search committee will begin reviewing applications on December 1, 2004 and will continue until the position is filled. Submissions via e-mail will not be considered. Persons seeking admission, employment or access to programs of the University of Wyoming shall be considered without regard to race, color, religion, sex, national origin, disability, age, veteran status, sexual orientation or political belief.

#### **ENDOWED CHAIR PROFESSOR IN FUEL CELL TECHNOLOGY AT THE UNIVERSITY OF CONNECTICUT**

The Connecticut Global Fuel Cell Center (CGFCC) and the Department of Chemical Engineering invite applications for an Endowed Chair Professorship. The successful candidate will have a PhD in chemical engineering or closely related field, an archival record of excellence in research and teaching, and an international reputation in PEM fuel cell research. The Chair will be expected to continue world-class fuel cell research while also teaching graduate and undergraduate courses consistent with the needs of the Center and Department. The mission of the CGFCC is to become the world's premier academic resource for advanced research and development in fuel cell technologies. More than 40 faculty members and 60 students are currently involved in research with more than 20 government agency and industry clients. The Chemical Engineering Department currently has 12 faculty members, over 70 graduate students, and more than \$3.5 million/year in sponsored research. The CGFCC is also searching for two junior faculty in fuel cell technology, one associated with the Chemical Engineering Department and one with the Mechanical Engineering Department. The position is funded by a \$1 million endowment. The Chair will have authority to expend the proceeds of the endowment to advance their research, educational and outreach activities. A more detailed description of the position is available at: [http://www.engr.uconn.edu/cheg/cheg\\_new\\_faculty\\_search.htm](http://www.engr.uconn.edu/cheg/cheg_new_faculty_search.htm). **Applicants should send (hard copy) a curriculum vitae, statements of research and teaching interests, names and contact information for three references, and copies of two seminal publications to: Prof. Ken Reifsnider, Search Chair and CGFCC**

**Director; c/o Chemical Engineering Unit 3222; University of Connecticut; 191 Auditorium Rd; Storrs, CT 06269-3222.** The University of Connecticut is an Equal Opportunity, Affirmative Action employer.

**THE CHEMICAL ENGINEERING DEPARTMENT AT RICE UNIVERSITY** invites applications or nominations for a tenure-track or tenured faculty position. The successful candidate should have a distinguished academic record, demonstrated excellence in research, and a strong commitment to both graduate and undergraduate education. Preference will be given to candidates with research interests centered on biomolecular engineering, including (but not limited to) metabolic engineering, proteomics or systems biotechnology. However, outstanding candidates with other interests will be given full consideration. **Please send resume, list of references, and a research plan to Chair, Faculty Search Committee, Chemical Engineering Department, MS-362, Rice University, P.O. Box 1892, Houston, TX 77251-1892.** Rice is an Equal Opportunity/Affirmative Action Employer.

#### **TENURE-TRACK FACULTY POSITIONS IN CHEMICAL ENGINEERING AND BIOMEDICAL ENGINEERING**

The Department of Chemical, Biomedical and Materials Engineering at Stevens Institute of Technology announces two tenure-track faculty openings, one in Chemical Engineering and another in Biomedical Engineering for start in January 1, 2005 and one additional tenure-track opening in Biomedical Engineering for start in August 1, 2005. There are currently 14 faculty members, 10 PhD staff researchers, approximately 150 undergraduate students and 60 graduate students in the department. Faculty research covers a broad range of advanced topics with annual research expenditures well over \$2.5 million. For the faculty position in **Chemical Engineering**, applicants must have a PhD in Chemical Engineering or a related discipline. Although all research areas will be considered, preference will be given to candidates with research interest and expertise in areas relevant to bioengineering, nanotechnology, and micro-chemical/micro-biological systems. For the faculty positions in **Biomedical Engineering**, applicants must have a PhD in Biomedical Engineering or a related discipline. Preference will be given to candidates with research interest and expertise in cell-biomaterials interfaces and micro/nano-biomedical engineering. Successful applicants in all three openings are expected to develop strong extramurally funded research programs and show a strong commitment to teaching excellence at both undergraduate and graduate levels. The appointments will be made at the rank of Assistant Professor, although a higher rank will also be considered for candidates with exceptional achievements and experiences. Applications will be accepted until the positions are filled. **Applicants should submit a curriculum vitae, a detailed description of research plan including short- and long-term goals, and the contact information of three references to: Prof. Henry Du, Chair, Faculty Search Committee, Department of Chemical, Biomedical, and Materials Engineering, Stevens Institute of Technology, Hoboken, New Jersey 07030**

#### **STANFORD UNIVERSITY DEPARTMENT OF CHEMICAL ENGINEERING**

The Department of Chemical Engineering at Stanford University is seeking applicants for two tenure track faculty positions at the junior level (Assistant or untenured Associate (Professor)). Applicants are expected to have earned a PhD degree in chemical engineering science or related disciplines. We will consider applicants knowledgeable in the general area of chemical engineering. While all areas encompassed by chemical engineering are acceptable, there are several broad areas of particular interest. One is that of surface reactivity and catalysis with an emphasis on the synthesis, reactivity, characterization, modeling and application of inorganic or hybrid materials. Applications of interest may include (but are not limited to) heterogeneous catalysis, biocatalysis, photocatalysis, fuel cells, and environmental or atmospheric studies. Other broad areas of interest include molecular transport processes and mechanics, soft materials physics and chemistry, computation and simulation, biochemical and biomolecular engineering, nanomaterials processing, and the energy sciences. In general, we give higher priority to the overall originality and promise of the candidate's work than to the sub-area of specialization. The successful candidate will be expected to teach at the graduate and undergraduate level, developing advanced graduate courses in a research specialty, as well as to develop a world-class research program with an emphasis on the fundamental physical, chemical, and engineering aspects of chemical engineering science. Applicants should be seeking a stimulating interdisciplinary environment in which to pursue teaching and research. We anticipate that the faculty members will contribute to and develop leadership roles interactions among faculty not only in Chemical Engineering, but also Electrical, Mechanical, Civil and Environmental, and Material Science and Engineering in the School of Engineering; in Physics, Chemistry, and Biology in the School of Humanities and Sciences; in the departments and programs in the School of Medicine and at the Stanford Synchrotron Radiation Laboratory. **Applicants should send a curriculum vitae (including research accomplishments, teaching experience, and publications) a transcript of doctoral graduate study, a detailed research and teaching plan, and the names and addresses (including phone numbers and email addresses where possible) of at least five references to Professor Stacey Bent, Chair, Search Committee, Department of Chemical Engineering, Stanford University, Stanford, CA 94305-5025.** Applications are requested by November 30, 2004, but we will continue to accept applications until the positions are filled. Stanford University is an Equal Opportunity, Affirmative Action Employer.



#### **DIRECTOR, CENTER FOR ENVIRONMENTAL SCIENCES & ENGINEERING, UNIVERSITY OF CONNECTICUT**

The University of Connecticut seeks a distinguished senior faculty to serve as the director for the Center for Environmental Sciences & Engineering. The Center for Environmental Sciences & Engineering is an outgrowth of a new Academic Plan at the University of Connecticut that identifies environmental sustainability as one of six areas of emphasis. The Center Director will lead and promote interdisciplinary research and education in environmental science, engineering, policy, and sustainability. The Director will have the opportunity to hire two additional tenure-track faculty to further the mission of the Center. The Director will report to the Vice Provost for Research and Graduate Education. The Director of the Center leads environmentally-related initiatives to secure research and education grants, directs the Center and staff in providing business, grant, and laboratory services to faculty; chairs the faculty advisory committee and consults with an external advisory board; increases the prominence and coordination of environmental programs at the University of Connecticut and beyond; and encourages and coordinates graduate education in the study of the environment. Candidates should possess a national/international scholarly reputation in an environmental field, and a proven record in recently obtaining competitive grants, especially in interdisciplinary research. Candidates must have a PhD in an environmental field and an active research area that could include toxicology, environmental engineering, ecology, resource management, marine sciences, earth sciences, or other related areas. The successful candidate should have credentials to qualify for tenure in an appropriate department. Review of applications will continue until a suitable candidate is selected. **Applicants should send: an application letter, curriculum vita, a statement of vision for environmental research and education, and provide a list of 3 to 5 references. All material should be submitted to Dr. John Morris, Chair, Center for Environmental Sciences & Engineering Director Search Committee, c/o Dorothy Williams, The University of Connecticut, Research and Graduate Education, 438 Whitney Road Ext., Unit 1006, Storrs, CT 06269-1006. Ph. (860) 486-3621, Dorothy.Williams@uconn.edu.** We actively encourage applicants from under-represented groups, including minorities, women and people with disabilities.

#### **FACULTY POSITION**

The Department of Chemical Engineering at the University of Qatar has an opening for a faculty position with a background in the fields of gas-to-liquid technologies, natural gas processing, petrochemical processes, process design and integration, and related areas. The Candidate is expected to develop a strong research program, to engage in outstanding scholarly activities leading to national and international recognition, and to bring innovation to instruction. A preferred starting date for this position is September, 2005. **Please submit your resume to Dr. Hassan Alfadala, Chair, Department of Chemical Engineering, P. O. Box 2713, Doha Qatar. Email: alfadala@qu.edu.qa.**

#### **DEAN COLLEGE OF ENGINEERING THE UNIVERSITY OF ALABAMA**

The University of Alabama invites applications and nominations for the position of Dean, College of Engineering. An individual is sought who can provide strong, dynamic, and innovative leadership to the College so it achieves its strategic goal of being a leader in research and education in the United States. The University of Alabama is undergoing substantial growth, and the College of Engineering is a key part of the growth plan. The College of Engineering consists of eight departments, all with accredited undergraduate programs, and awards doctoral degrees in eight disciplines. **Further details about this position, candidate qualifications, and the application process are available on the College's Website: <http://www.eng.ua.edu>.** The University of Alabama is an Equal Opportunity Affirmative Action Employer. Qualified women and minorities are strongly encouraged to apply and increase the diversity of our academic community.

#### **ASSISTANT/ASSOCIATE/FULL PROFESSOR CHEMICAL ENGINEERING**

One tenure-track faculty position is open in the Chemical Engineering Department at Louisiana State University. The position is open to all research areas. Appointment to the tenure-track faculty position, at entry level is preferred; however, the search will not exclude consideration of experienced candidates. Required Qualifications: PhD in Chemical Engineering or equivalent degree; commitment to excellence in undergraduate and graduate teaching and in research. Responsibilities: teaching and research. **Applications received before December 1, 2004, will receive priority. Send resumes with three references and descriptions of teaching and research interest to: Head, Assistant Professor Search Committee, Department of Chemical Engineering, Louisiana State University, Ref: #024544, Baton Rouge, Louisiana 70803-7303.** LSU is an Equal Opportunity/Equal Access Employer.

#### **TENURE-TRACK JUNIOR FACULTY POSITION CHEMICAL ENGINEERING**

The Department of Chemical Engineering at the Massachusetts Institute of Technology invites applications and/or nominations for a tenure-track junior faculty position in chemical engineering. The ideal candidate will possess a doctorate (PhD, ScD, or equivalent) in chemical engineering or a closely related field by the beginning of the appointment period. The candidate should have demonstrated excellence in original research and a strong commitment to teaching, both at the graduate and undergraduate levels. Interested individuals should send a current curriculum vitae, a brief description of research plans and teaching interests, and at least three letters of assessment of a professional or academic nature. **Applications must be received by**

## **THE CITY COLLEGE** **The City University of New York**

### **Assistant/Associate/Full Professor in Biomedical Engineering (2 positions)**

The Department of Biomedical Engineering in the School of Engineering at the City College of New York (CCNY) and the New York Center for Biomedical Engineering (NYCBE) jointly seek a junior faculty person at the Assistant or Associate Professor level and a second faculty person at rank as high as Full Professor. Responsibilities will focus on research as well as teaching at the graduate and undergraduate levels. The areas of specialization that are of greatest interest include: cardiovascular engineering, nanotechnology/biomaterials, musculoskeletal biomechanics, neural engineering/imaging, and cell/tissue engineering. The NYCBE is a unique consortium between the School of Engineering and seven of the premier health care and medical institutions in New York City. CCNY is the founding and flagship college of the City University of New York (CUNY).

**Qualifications:** PhD in Biomedical Engineering or related discipline consistent with the demands of the position. The junior position candidate is expected to establish a successful and independent program of high quality research through external funding. The senior candidate will, in addition, be a recognized leader in his or her field of expertise. The new faculty member must also have the ability and strong commitment to teach biomedical engineering courses at the graduate and undergraduate levels.

**Salary and Rank:** Commensurate with education, accomplishments and experience.

**To Apply:** Send a cover letter and CV, including recent publications and statement of research and teaching interests, and the names and contact information of at least three professional references (preferably by email)

postmarked by 2/28/05 to: **Dr. John M. Tarbell, Chair of the Search Committee, PVN# FY-9755, Department of Biomedical Engineering, Room T-405, The City College, CUNY, 160 Convent Ave., NY, NY 10031.**

Additional information available at  
[www.ccny.cuny.edu](http://www.ccny.cuny.edu)

*The City College/CUNY is an EEO/AA/IRCA/ADA Employer.*



# **RICE**

## **Faculty Positions in Computational Bioengineering**

The Department of Bioengineering at Rice University seeks to hire creative and productive individuals to fill tenure-track and tenured faculty positions in the area of computational bioengineering. Applications will be accepted until 15 December 2004. Areas of interest include, but are not limited to, statistical mechanics, immunology, cancer, protein engineering, neuroengineering, and systems biology. Interested individuals are encouraged to send a letter briefly outlining career plans, a statement of research and teaching interests, curriculum vitae, and names and contact information for 3 to 5 references to Professor Michael W. Deem, Computational Bioengineering Search Committee Chair, Department of Bioengineering, Rice University, 6100 Main Street - MS 142, Houston, TX 77005-1892. *Rice University is an equal opportunity, affirmative action employer.*

January 1, 2005. All correspondence should be directed to: The Faculty Search Committee, Department of Chemical Engineering, Massachusetts Institute of Technology, 77 Massachusetts Avenue, 66-350, Cambridge, MA 02139-4307. Minority and women candidates are strongly encouraged to apply. <http://web.mit.edu/cheme/>. Massachusetts Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Non-Smoking Environment. <http://web.mit.edu/personnel/www>

#### DEPARTMENT OF ENGINEERING, HARVEY MUDD COLLEGE

Applications are invited for a tenure track position in the Department of Engineering. Assistant Professor level is preferred, but outstanding applicants at all levels will be considered. The successful applicant must have a PhD in chemical engineering or a closely related field and a commitment to teaching excellence in a broad, accredited undergraduate curriculum of design, systems, and engineering science. Teaching duties include team teaching in engineering science and systems courses, supervising Engineering Clinic projects, and teaching courses in the applicant's specialty. A broad background including thermodynamics, transport phenomena, and reaction engineering is preferred. Additional knowledge in biochemical engineering, process control, materials processing, or other specialty would be helpful. Industrial or professional experience is highly valued. Continuing scholarly development in the applicant's specialty through research and/or consulting is expected. Excellent opportunities exist in the Southern California area for collaborative research and consulting with local universities, labs, and industry. **Submit cover letter, curriculum vitae, personal statement of teaching philosophy and research interests, and names of three or four references to Professor Erik Spjut, ChE Search Committee Chair, Department of Engineering, Harvey Mudd College, 301 E. Twelfth St., Claremont, CA 91711.** The search committee will begin reviewing applications on January 31, 2005. Harvey Mudd College is an affirmative action/equal opportunity employer. Applicants from groups typically underrepresented on engineering faculties are strongly encouraged to apply.

#### DEPARTMENT OF CHEMICAL ENGINEERING UNIVERSITY OF HOUSTON, FACULTY POSITION AVAILABLE

The Chemical Engineering Department at the University of Houston seeks a tenure-track faculty candidate with exceptional promise for effective teaching and pioneering research. Although the research field is open, we're especially interested in candidates specializing in biomolecular engineering, polymeric or bio-based materials, or energy. Our intent is to hire at the Assistant Professor level. Appointment to our faculty requires a PhD in Chemical Engineering or a related field. **Please send a curriculum vitae, detailed description of research interests, your e-mail address, and names and e-mail addresses of at least three references to: Chemical Engineering Faculty Search Committee; Engineering Bldg. 1, Rm. S-222; University of Houston; Houston, TX 77204-4004.** The University of Houston is an Equal Opportunity/Affirmative Action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply. <http://www.che.uh.edu>

#### ASSISTANT PROFESSOR OF CHEMICAL ENGINEERING

The Department of Chemical Engineering at Lafayette College invites applications for a tenure-track assistant professor position. Candidates must have a B.S. in Chemical Engineering and a PhD in Chemical Engineering or closely related field. Those with interest in biotechnology, bioengineering, or biomedicine are encouraged to apply. Applications from people of color and women are welcome. Lafayette College is a small, residential college where faculty/student interaction is highly valued and is a necessary part of the academic program. The college is suitable for faculty who can balance the demands of teaching and scholarship and would be interested in interdisciplinary teaching. **Send your CV, statement of teaching interests, research plan, and contact information for three professional references to: Dr. Javad Tavakoli, Department of Chemical Engineering, Lafayette College, Easton, PA 18042-1775.** Applications will be accepted until December 17, 2004. Lafayette College is an equal opportunity employer.

#### CLARE BOOTHE LUCE PROFESSORSHIP DEPARTMENT OF CHEMICAL & BIOCHEMICAL ENGINEERING UNIVERSITY OF MARYLAND, BALTIMORE COUNTY (UMBC)

The Department of Chemical and Biochemical Engineering at UMBC is a young and vibrant program with a commitment to excellence in research, teaching and service. Excellent facilities and proximity to major institutions increase opportunities for collaboration and provide access to unique resources. An excellent starting salary and a discretionary fund is available. Candidates must demonstrate a record of excellence and should be able to teach courses in a chemical engineering curriculum. A focus in biotechnology and/or bioengineering is required. The search for this prestigious tenure-track assistant or associate professor position is necessarily restricted by the Clare Boothe Luce bequest to the Henry Luce Foundation to women who are U.S. citizens or permanent residents. Final selection must meet the approval of the Clare Boothe Luce Program. **Please send a current resume, a statement of research and teaching plans and three reference letters to Dr. Govind Rao, ECS 314, UMBC, Baltimore, MD 21250.** Screening will begin immediately and continue until the position is filled. UMBC is an EOAA employer.

**THE DEPARTMENT OF CHEMICAL ENGINEERING AT IOWA STATE UNIVERSITY** invites nominations and applications for the position of Department Chair. We are seeking a dynamic and innovative leader with a bold vision for the future of Chemical and Biological Engineering at Iowa State. The successful candidate will possess a PhD in Chemical Engineering or a related field and an exemplary record of achievement in research, teaching and service of a level sufficient to qualify for appointment as Professor. Iowa State University of Science and Technology is a comprehensive, research I, land-grant University with an enrollment of over 25,000 students. The College of Engineering includes 8 departments, 218 faculty members and annual research expenditures of nearly \$54 M. Unique research facilities and centers of excellence on campus include the Ames Laboratory of the United States Department of Energy, the Institute for Physical Research and Technology, the Center for Nondestructive Evaluation, the Plant Sciences Institute and the Institute for Combinatorial Discovery. The Department of Chemical Engineering is nationally recognized for its research in reaction engineering and modeling, catalysis, advanced materials, electrochemistry and biotechnology/biobased products. We have 17 faculty members with research expenditures of \$4 M last year. Current enrollment includes 334 undergraduates and 61 graduate students. The Department is centrally located on campus in a modern 41,000 ft<sup>2</sup> research and teaching facility. More information about the department can be found at [http://www.iastate.edu/~ch\\_e/](http://www.iastate.edu/~ch_e/). Review of applications will start on January 1, 2005 and continue until the position is filled. We anticipate having a successful candidate in place on July 1, 2005. **Letters of application accompanied by a current resume, contact information for four references, and a statement of educational, research, and leadership philosophy that includes the candidate's vision for the future of the department should be mailed to: Lowell Greimann, Chair, Search Committee, Engineering Administration, 104 Marston Hall, Iowa State University, Ames, IA 50011.** Iowa State University is an Equal Opportunity/Affirmative Action Employer.

#### WASHINGTON STATE UNIVERSITY ASSISTANT PROFESSOR/ASSISTANT SCIENTIST (BIOMASS PROCESSING AND BIOPRODUCT DEVELOPMENT) IN PULLMAN, WA.

The Department of Biological Systems Engineering invites applications for a permanent, 9-month, tenure-track Assistant Professor/Assistant Scientist in biomass processing and bioproducts development. The position is 85% research and 15% teaching. Required: PhD (at time of hiring) in Biological Systems Engineering, Chemical Engineering, or Biochemical Engineering or a related field with experience and educational background in biomass processing and bioproducts. Desired: Excellent training in unit operations, especially separation processes; Knowledge of thermal, chemical and/or biological conversion processes and systems design; Demonstrated ability to develop new processes and systems for biomass processing and bioproducts; Potential for strong research productivity and ability to secure extramural support; Excellent oral and written communication skills; Experience working with multi-disciplinary research teams; Demonstrated ability to communicate with agricultural and biotechnology industry, regulatory agencies and agribusiness groups. **Application: Send letter of application, curriculum vitae, transcripts, and names, addresses, electronic mail addresses, and telephone numbers of three references to: Shulin Chen, Search Committee Chair; Department of Biological Systems Engineering; Washington State University; P.O. Box 646120; Pullman, WA 99164-6120; telephone (509) 335-1578; fax (509) 335-2722; electronic mail [chens@wsu.edu](mailto:chens@wsu.edu).** Screening: February 1, 2005. EEO/AA/ADA

#### UNIVERSITY OF CALIFORNIA, DAVIS FACULTY POSITIONS DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE

The Department of Chemical Engineering and Materials Science seeks to appoint a tenure-track faculty member at the Assistant Professor level to further enhance its research and teaching interests related to the synthesis, processing, and characterization of materials. All relevant areas of expertise will be considered. Candidates with an interest in the synthesis and characterization of nanostructured materials, functional materials, thin films and multilayer systems, energy-related materials, and electromagnetic field effects on materials processing are especially encouraged to apply. Candidates must have a PhD degree in materials science, chemical engineering or a closely related field, a commitment to excellence in teaching, and have demonstrated excellence in research. **Applicants may apply online at <http://www.chms.ucdavis.edu/employment>, or send resume, summary of proposed teaching and research plans, and list of three professional references to the Chair, Faculty Search Committee, Department of Chemical Engineering and Materials Science, University of California, Davis, One Shields Avenue, Davis, CA 95616-5294.** Applications should be received by January 30, 2005, in order to receive full consideration; the positions will remain open until filled. The University of California is an affirmative action/equal opportunity Employer.

#### SYRACUSE UNIVERSITY DEPARTMENT OF BIOMEDICAL AND CHEMICAL ENGINEERING

The Department of Biomedical and Chemical Engineering in the L.C. Smith College of Engineering and Computer Science at Syracuse University invites applications for a tenure-track faculty position at the Assistant or Associate Professor level to be filled by August 2005. The Department was formed recently by joining the faculties of the Department of Bioengineering and Neuroscience and the Department of Chemical Engineering and Materials Science to promote an interdisciplinary



approach to research that bridges the traditional areas of biomedical and chemical engineering. The new Department offers BS (ABET-accredited), MS and PhD degrees in both Chemical Engineering and Bioengineering. Applicants should have the potential for outstanding teaching at both the undergraduate and graduate levels in chemical engineering and in areas related to their research. The successful candidate will be expected to establish a high-quality research program that complements the research interests of the current faculty (see [www.ecs.syr.edu/dept/bmce](http://www.ecs.syr.edu/dept/bmce)). Research that reflects the interdisciplinary focus of the new department is highly desirable. Research opportunities extend beyond Syracuse University to the adjacent campuses of the SUNY Upstate Medical University and the SUNY College of Environmental Science and Forestry. **Applicants should send a CV, a statement of teaching interests, and a description of the proposed research program to: Dr. John Heydweiller, Chair of Faculty Search Committee, Department of Biomedical and Chemical Engineering, 121 Link Hall, Syracuse University, Syracuse, NY 13244. At least three reference letters should be sent to the same address. Application materials may be submitted electronically to [www.sujobopps.com](http://www.sujobopps.com).** Review of applications will begin December 1st and continue until the position is filled. Syracuse University is an Equal Opportunity/Affirmative Action Employer with a strong commitment to equality of opportunity and a diverse workforce.

#### **CHEMICAL REACTION ENGINEERING FACULTY POSITION, UNIVERSITY OF WATERLOO**

The Department of Chemical Engineering at the University of Waterloo invites applications for a tenure track position at the level of Assistant or Associate Professor. Applications are invited from excellent candidates in the area of reaction engineering with expertise in fundamental and applied catalysis. Candidates with research interests in clean energy utilization and/or catalysis/nanomaterials are particularly encouraged. A PhD in Chemical Engineering or related field is required. **Applications consisting of a curriculum vitae, a clearly outlined research program, statement of teaching interests, name and full contact information for three referees should be sent to Professor T.A. Duever, Chair, Department of Chemical Engineering, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1.** Applications will be received until the position is filled. All qualified candidates are encouraged to apply; however, Canadian citizen and permanent residents will be given priority. The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native peoples, and persons with disabilities.

#### **VIRGINIA TECH, CHEMICAL ENGINEERING HEAD**

Applications are invited for the position of Professor and Head of the Dept. of Chemical Engineering at Virginia Tech to provide energetic leadership in a period of anticipated growth. The applicant should have an outstanding record in research and undergraduate/graduate teaching, demonstrated leadership and administrative skills, and an active, externally funded research program. **Candidates should apply on-line at <https://jobs.vt.edu> (Access "search postings", then "head") and should include a letter summarizing their vision for the position. In addition they should arrange to have four reference letters sent to Ms. Jane Price, Dept. of Chemical Engineering, Virginia Tech, Blacksburg, VA 24061.** A doctorate in Chemical Engineering or closely related field is required. Applications from women, minorities, and individuals with disabilities are encouraged.

#### **ASSISTANT PROFESSOR DEPARTMENT OF CHEMICAL ENGINEERING**

Tennessee Technological University is seeking two (2) entry-level individuals for two (2) tenure-track appointments at the rank of Assistant Professor of Chemical Engineering. Applicants must be able to teach undergraduate and graduate courses in Chemical Engineering, have strong communication skills, develop a nationally-recognized research program, engage in scholarly activities and be willing to participate in college, university, professional societies and community service. An earned PhD in chemical engineering or equivalent is required by start date of employment. The

Department is currently involved in a modernization of both the graduate and undergraduate programs and it has focused research efforts in four key areas: (1) Electric Field-Based Processes and Systems, (2) Nanoscale-Based Engineered Materials and Systems, (3) Biological-Based Process and Systems and (4) Computational Mathematics and Modeling. Both the MS and PhD degrees are conferred. The successful applicants will have a willingness and desire to live at the forefront of scholarship in education and research. Those who are supporters of both modern learning techniques in the classroom (active/collaborative learning, etc.) and externally-funded research (NSF, NASA, DOE, etc) would match the existing philosophy and achievements within the department and are strongly encouraged to apply (see [www.tntech.edu/che/](http://www.tntech.edu/che/)). TTU is committed to a culturally diverse campus and strongly encourages members of under represented groups to apply. Initial review of applications will begin on December 15th, 2004; applications, however, will be accepted until the positions are filled **To apply, send a letter expressing interest, a TTU faculty application (see [www.tntech.edu/jobs](http://www.tntech.edu/jobs)), a resume, a statement of plans for research and education, and complete contact information for three professional references to Dr. Donald P. Visco, Jr., Chair, Faculty Search**

PENNSTATE



## **Department Head and Robb Chair**

The College of Engineering invites nominations and applications for the position of Department Head and Robb Chair in the Department of Chemical Engineering. The College seeks an individual who will provide innovative and energetic leadership with strong administrative skills and a strong commitment to higher education. The successful candidate will be the holder of the endowed Robb Chair and must possess academic credentials of the highest quality, have a strong commitment to research, and have an established and widely recognized reputation in Chemical Engineering. An earned doctorate is required.

The Department currently has 19 full-time faculty plus a number of affiliated faculty from other departments within Penn State and several openings are anticipated in the next few years. Penn State Chemical Engineering has recently been rated among the top five departments in the country in terms of annual research expenditures. Key research areas are biomolecular engineering, nanoscale and materials engineering, and computation. These key areas are strongly supported by the university through consortia devoted to the Life Sciences, the Environment, Informatics, and Materials. The Chemical Engineering Department has been a leading innovator in multi-disciplinary activities, both within Penn State and through partnerships with other universities and industry. Information about the department can be found at <http://fenske.che.psu.edu>.

Nominations and applications, including curriculum vitae, will be sought until January 15, 2005. However, applications will be considered until the position is filled. It is intended that the position will be filled by the beginning of the 2005 - 2006 academic year. Applications will be viewed with the strictest of confidence. Inquiries should be directed to: Dr. Kristen A. Fichthorn, Chair, Chemical Engineering Head Search Committee, College of Engineering, The Pennsylvania State University, 101 Hammond, Code D-18554, University Park, PA 16802. Inquiries can be made via E-mail to [fichthorn@psu.edu](mailto:fichthorn@psu.edu) or by phone at: 814-863-4807.

Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

**PENN STATE** *Making Life Better*

Committee, Department of Chemical Engineering, Tennessee Technological University, P.O. Box 5013, Cookeville, TN 38505. For complete position summary, see [www.tntech.edu/jobs](http://www.tntech.edu/jobs). AA/EEO Employer.

**WASHINGTON UNIVERSITY IN ST. LOUIS,  
CHEMICAL ENGINEERING DEPARTMENT, ST. LOUIS, MO.**

The Department of Chemical Engineering invites applications for a faculty position at the level of Assistant Professor with tenure track appointment. Applicants must have a PhD in chemical engineering, environmental engineering or a related field and a strong commitment to excellence in teaching and research. Candidates should have several years of post-doctoral experience in well-established research centers and have an interdisciplinary approach to solving environmental engineering problems. We are especially interested in candidates who work in the fields of water quality, anaerobic treatment, and bioaerosols and who have experience with molecular biology techniques. **Applicants should provide a resume, brief description of research and teaching interests, and a list of three references (with telephone numbers and email addresses) to Department of Chemical Engineering, Faculty Search Committee, Washington University in St. Louis, One Brookings Drive, CB 1198, St. Louis, MO 63130.** The application deadline is January 2, 2005; however, review of applications will begin as soon as they are received.

**BIOENGINEERING FACULTY POSITION  
COLLEGE OF ENGINEERING, ARCHITECTURE, AND TECHNOLOGY  
OKLAHOMA STATE UNIVERSITY**

The College of Engineering, Architecture, and Technology at OSU is establishing a multidisciplinary bioengineering initiative on its Stillwater and Tulsa campuses, by building on strengths established by an energetic and collaborative faculty team. Substantial increases in faculty and resources are planned over the coming decade in this area. Applications are invited for a tenured/tenure-track faculty position on the Stillwater campus at any level. The position is available with a target starting date of August 2005. The successful candidate will be appointed in one of three engineering departments that provides the best match with applicant's background: Chemical, Electrical and Computer, or Mechanical and Aerospace Engineering. Applicants should have teaching and research interests in biomedical engineering or bioengineering, with a research concentration in a developing area in which there is a strong possibility for competitive extramural funding. Applicants should demonstrate strong experimental, analytical, computational, and oral and written communication skills. An earned PhD in engineering or a related field is required. The successful candidate must have high potential for excellent teaching at the undergraduate and graduate levels, and for developing a strong externally funded research program. Research experience beyond the doctorate in industry, government, or academia is desirable. Applications will be accepted until the position is filled, with initial screening starting January 24, 2005. Applicants should provide a letter of application, a statement on teaching interests and philosophy of teaching, a statement giving plans for research and securing extramural funding, a curriculum vitae, and a list of five references to: **Chair, Bioengineering Faculty Search Committee; College of Engineering, Architecture, and Technology; 201 ATRC; Oklahoma State University; Stillwater, OK 74078-0545, [www.ceat.okstate.edu](http://www.ceat.okstate.edu).** Women and minority applicants are encouraged. OSU is an Equal Opportunity/Affirmative Action Employer.

**CLASSIFIED ADVERTISING RATE INFORMATION**

**Classifications:**

Positions open – academic and industrial positions

**Issuance:**

Published monthly.

**Closing date:**

3rd Monday of the month prior to that month's issue. Next closing date is November 15, 2004.

**Rates:**

Word ads are \$4/word (conjunctions not counted). Simply e-mail a word document to [denid@aiche.org](mailto:denid@aiche.org). Contact 212-591-7170 or [denid@aiche.org](mailto:denid@aiche.org) for classified display ad and business card ad rates and guidelines for submittal.

**Web posting:**

Classified advertisers receive a \$250/month discount off the normal \$400/month rate to post on CareerEngineer, AIChE's recruiting web site specifically for chemical industry professionals, if a print ad is run in the same month. <http://careerengineer.aiche.org>

**FULL PROFESSOR**

**CHEMICAL AND PROCESS ENGINEERING, UNIVERSITY OF CANTERBURY**

Applications are invited for the above continuing/tenured position. The Department is seeking to enhance its expertise in bioprocess engineering, but applications are also welcomed from candidates with strengths in other chemical engineering research areas. The successful applicant will be expected to demonstrate strong academic leadership by carrying out and publishing research at the highest level as assessed by peer-reviewed publications, generating external research funding and supervising postgraduate students. He or she will also be expected to teach at a high standard to undergraduate and postgraduate students and to contribute to administration. **Academic enquiries may be made to the acting Head of Department of Chemical and Process Engineering at [pat.jordan@canterbury.ac.nz](mailto:pat.jordan@canterbury.ac.nz). Further information and an official application form can be found at: [www.canterbury.ac.nz/hr/vacancies](http://www.canterbury.ac.nz/hr/vacancies) or by contacting [hr@engineering.canterbury.ac.nz](mailto:hr@engineering.canterbury.ac.nz). All applications must include the University Official Application Form.**

**INDUSTRY RESOURCES**



**The World's Leading Risk Assessment Software**

**PIHA-Pro 5** : IHA/COF / What-If for OSHA PSM and SIL / LOPA for IEC 61508

**RiskSafe 5** : Job Safety Analysis / Behaviour Based Safety

**SWA-Pro** : Security Vulnerability Analysis featuring the CCPS methodology

**Request a Free Demo Today**  
[www.dyadem.com/ccps](http://www.dyadem.com/ccps)

T. 905.887.2055 F. 905.887.3015 E. [info@dyadem.com](mailto:info@dyadem.com)



**AcuTech**  
Process Risk Management

**Leaders in Process Safety and Security Management  
Consulting, Training & Software**

**AcuTech Consulting Group - Chemetica, Inc.**  
Tel: (415) 772-5972 Fax: (415) 772-9044  
88 Kearny Street, Suite 1630  
San Francisco, CA 94108  
[www.acutech-consulting.com](http://www.acutech-consulting.com)

**DESIGN II for Windows™**

*Rigorous Process Simulation for Chemical and Hydrocarbon processes including Refining, Refrigeration, Petrochemical, Gas Processing, Gas Treating, Pipelines, Ammonia, Methanol, and Hydrogen Facilities*

- Multiple Sheet Diagram User Interface
- 50 Thermo Methods/886 Component Database
- Mixed Amine Thermodynamics
- Crude & Multi-Component Distillation Towers
- Flash Vessel Sizing / 2 Phase HX Rating
- Crude Feeds (ASTM D-86/1160, TBP)
- Automatic Output to Microsoft® Excel

Download Professional version at:  
**[www.winsim.com](http://www.winsim.com)**

**WinSim Inc.**  
P.O. Box 1885, Houston, TX 77251  
Email: [sales@winsim.com](mailto:sales@winsim.com)  
Phone: 281-565-6700 Fax: 281-565-7593

**Engineering Profiles**  
Chemical Industry Recruiters  
Technical – Engineering – Operations  
[www.engineeringprofiles.com](http://www.engineeringprofiles.com)

P.O. Box 15537  
Pensacola, FL 32514  
Billy Price Email: [bprice@engineeringprofiles.com](mailto:bprice@engineeringprofiles.com)

PH: (850) 969-9991  
FAX: (850) 969-9987