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## ACADEMIC OPENINGS

### UCLA CHEMICAL & BIOMOLECULAR ENGINEERING DEPARTMENT

is seeking applicants for a faculty position effective academic year 2011/2012. Candidates must have a PhD degree in chemical engineering or a related field, and be qualified to teach undergraduate and graduate courses and to mentor MS and PhD students. The rank and research area are open. **Resumes, reprints of selected publications, a statement of research and teaching plans and a list of four references should be forwarded to: Prof. Harold G. Monbouquette, Chair, UCLA Chemical and Biomolecular Engineering Department, Box 951592, Los Angeles, CA 90095-1592.** Review of the applications will begin on December 1, 2010. The successful candidate will provide evidence of adherence to the highest standards of scholarship and professional activities and will be appointed at a salary level commensurate with education and experience. The University of California, Los Angeles and the Chemical and Biomolecular Engineering Department are committed to the development of a campus climate that supports equality and diversity. The University of California is an affirmative action/equal opportunity employer.

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For Additional Employment Opportunities

Employers specifically seek AIChE members due to their commitment to professional excellence. Your AIChE Membership gives you the job-seeking advantage. Some of the many positions you'll see on AIChE's targeted chemical industry job board include:

- Sr. Process Engineer – Small Molecule Products – Genentech
- Process Engineer – INVISTA
- Engineering Services Super – Unilever
- Principal Applications Engineer/Scientist – MKS Instruments
- Process Engineer – Southern Company
- Advanced Chemical Process Engineer – FRX Polymers, Inc.
- Risk Management Representative – Air Liquide
- Sr. Applications Engineer – Linde
- Sr. Process Safety Engineer – Roche Colorado
- Process Safety and Operational Excellence Specialist – Chevron Phillips Chemical Company LLC

While on the site, be sure to upload your resume FREE for employers to view and contact you. AIChE member resumes are placed at the top of the list for employers to view first.

### VILLANOVA UNIVERSITY, DEPARTMENT OF CHEMICAL ENGINEERING ACADEMIC OPENING

Villanova University invites applications for a tenure-track position in the Department of Chemical Engineering to begin in August 2011. An earned doctorate in Chemical Engineering or a closely allied discipline is required. The applicant must be committed to excellence in engineering education, must be an excellent communicator and must be able to develop an active and funded research program that will lead to scholarly growth and development. Research interests are open; but energy, sustainability, bioengineering, and advanced materials areas are preferred. Ideally the candidate should have experience with and an interest in the development and solution of mathematical models, especially using numerical techniques, that could lead to collaborations with current faculty. Appointment at either a junior or a senior level is possible, depending on the credentials and qualifications of the applicant. Villanova is an Affirmative Action/Equal Opportunity Employer. We are committed to building a diverse faculty and strongly encourage applications from women, minorities, and individuals with disabilities who understand and support the values inherent in Villanova's Catholic character and Augustinian tradition. We offer B.S., M.S., and Ph.D. degrees along with a M.S. in Sustainable Engineering. **All application materials must be submitted online at [jobs.villanova.edu](http://jobs.villanova.edu) and should include an application letter, resume, statements of research and teaching experience and vision, transcripts, and the names and contact information of three professional references. Application materials are due no later than December 15, 2010.**

### TWO FACULTY POSITIONS, MILWAUKEE SCHOOL OF ENGINEERING

Milwaukee School of Engineering launched a new undergraduate program in BioMolecular Engineering in the fall of 2009 and we are committed to build a strong team by adding several new faculty members over the next 4 years. We are currently inviting applicants for two positions starting as early as spring of 2011. These two individuals are expected to be major contributors to the development of the new program. The candidates should also have a commitment and ability to teach at all levels of one or more of the following disciplines: undergraduate biology, chemistry or physics. A Ph.D. in an engineering field, with an aptitude to develop and teach undergraduate level courses in the areas of Bioinformatics, Genomics, Metabolic Engineering, or Synthetic Biology, along with the computational and experimental lab skills to work at the biomolecular and nano- scales are required. Industrial or postdoctoral experience in one of the above areas is desirable. Initial appointments are expected to be at the Assistant Professor level, but applications from senior candidates may be considered for higher rank. MSOE is a private, application-orientated university with programs in engineering, engineering technology, technical communication, business, construction management and nursing. Primarily a 4-year undergraduate institution, we emphasize excellence in teaching. Applied research involving undergraduate students, and consulting, are encouraged. **Complete applications, including a letter of interest, CV, a brief statement of teaching philosophy and three letters of recommendation, should be submitted to Dr. M. Kaltchev ([kaltchev@msoe.edu](mailto:kaltchev@msoe.edu)), Chair, BioMolecular Engineering Search Committee, Milwaukee School of Engineering, 1025 N. Broadway, Milwaukee, WI 53202. [www.msoe.edu](http://www.msoe.edu).** The selection process will continue until the positions are filled.

## FACULTY RECRUITING IN CHEMICAL ENGINEERING THE UNIVERSITY OF TEXAS AT AUSTIN

The Department of Chemical Engineering seeks outstanding applicants for two tenure-track faculty positions at the Assistant Professor level. A Ph.D. is required and applicants must have an outstanding record of research accomplishments and a strong interest in undergraduate and graduate teaching. Candidates with research and teaching interests in all areas relevant to the field of chemical engineering will be considered. Applications from women and minorities are strongly encouraged. A successful candidate is expected to teach chemical engineering undergraduate and graduate courses, develop a research program, collaborate with other faculty, and be involved in service to the university and the profession. **Interested persons should submit in electronic form a detailed curriculum vitae including academic and professional experience, statements regarding their teaching philosophy and research plans, a list of peer reviewed publications and other technical papers, and the names, address and telephone numbers of three or more references to: Chair, Department of Chemical Engineering, The University of Texas at Austin, Austin, TX 78712-0231 (chefaculty-search@che.utexas.edu). Scheduling for interviews will begin in late November 2010.** A security sensitive background check will be conducted on selected applicants. The University of Texas is an Equal Opportunity/Affirmative Action Employer.

**THE DEPARTMENT OF CHEMICAL AND BIOCHEMICAL ENGINEERING AT RUTGERS UNIVERSITY** invites applications for a tenure-track faculty position at the Assistant, Associate or Full Professor level. Priority will be given to applicants for the rank of Assistant Professor though higher-level appointments will be considered for candidates with an appropriate level of past experience. The successful applicant is expected to develop and maintain a research program leading to national and international recognition and to demonstrate excellence in teaching at the undergraduate and graduate levels. Candidates must have a Ph.D. in Chemical Engineering or a related field. There are no restrictions on research area for candidates; however, preference

will be given to research interests in the following areas: Pharmaceutical Processing (particle technology, nanoparticle synthesis, etc.), Emerging Energy Technologies (synfuels, biofuels, heterogeneous catalysis, etc.), Advanced Materials, as well as areas that will complement and strengthen our NSF Engineering Research Center on Structured Organic Particulate Systems (<http://ercforsops.org>). Joint appointment with another Department is possible. **Applicants should send a curriculum vitae, detailed description of research and teaching interests, and names of at least three references to: cbesearch@sol.rutgers.edu, or Chair of the Search Committee, Department of Chemical and Biochemical Engineering, Rutgers The State University of New Jersey, 98 Brett Road, Piscataway, NJ 08854-8058.** Review of applications will continue until the position is filled. Information about the department can be found at <http://sol.rutgers.edu>. Rutgers is an affirmative action, equal opportunity employer. Women and minority candidates are encouraged to apply.

## FACULTY POSITION - WAYNE STATE UNIVERSITY

The Department of Chemical Engineering and Materials Science seeks applications for a tenure-track position at the assistant or associate professor level, with appointment beginning in Fall 2011. The position is open to all areas related to chemical engineering, including energy, sustainability, nanotechnology and biomaterials. Candidates should have a Ph.D. degree in chemical engineering or a related field, and a strong commitment to undergraduate and graduate education. Candidates should have the potential to develop a nationally recognized, externally-funded research program. Applicants should send a complete curriculum vitae and description of future research plans, and four references. Our department offers an excellent research environment, with state-of-the-art laboratories in the new 82,000 sq. ft. Danto Engineering Development Center. Our external funding has grown to approximately \$3.5 million/year, and strong multi-disciplinary research and educational efforts in energy, nanotechnology/nanomedicine, and sustainable engineering represent recent departmental highlights. WSU has a strong focus on interdisciplin-

### Whitacre Chair in Energy Science and Engineering

The Department of Chemical Engineering at Texas Tech University is actively seeking to fill the newly endowed Whitacre Chair in Sustainable Energy. Candidates for the position will be individuals whose research areas are aligned with the university goals of creating a strong multi departmental research base in Sustainable Energy at Texas Tech University. The selected individual will be an internationally recognized leader in his or her field as demonstrated by such metrics as the peer reviewed publication and citation records, national recognitions such as major awards or fellowships in technical societies, and a strong track record of competitive research funding. The Department of Chemical Engineering has embarked on building a nationally recognized research-intensive department with strengths in Polymers and Materials, Bioengineering and Biotechnology, Computational Chemical Engineering, and Process Systems and Engineering. The candidate is expected to expand the research portfolio of the department into Sustainable Energy. The position is an Endowed Chair at the level of Full Professor and incumbents will be expected to participate in research service and teaching at this level. It is anticipated that successful candidates will have very strong records of scholarship supported by extramural funding and that externally sponsored research will be brought to Texas Tech University. Interested candidates should apply online at <https://jobs.texasstate.edu/>. Please use requisition number **80764**. Candidates should include a detailed CV, a research statement, and a list of five referees.

For further information contact Dr. Raghu Rengasamy at [raghu.rengasamy@ttu.edu](mailto:raghu.rengasamy@ttu.edu). Texas Tech is an Equal Opportunity Employer.



TEXAS TECH UNIVERSITY  
Edward. E. Whitacre Jr.  
College of Engineering

### The Maddox Chairs in Energy at Texas Tech University

The Edward E. Whitacre Jr. College of Engineering at Texas Tech University is committed to leveraging these **two exceptionally large endowed chairs at over \$7 million each**, to become one of the nation's leaders in finding solutions to the world's energy challenges. The college is seeking world-class researchers in solar and sustainable energy as candidates for the Maddox Chairs.

#### Donovan Maddox Distinguished Engineering Chair in Solar Energy Jack Maddox Distinguished Engineering Chair in Sustainable Energy

Candidates are expected to have an international reputation in the fields of solar energy or energy sciences and engineering as evidenced by publications, citations, and peer recognition. In addition, a record of acquiring external resources to support research, team building, and mentoring of associates and graduate and undergraduate students is necessary.

The successful candidates will set the tone, vision, and path in order to build an internationally recognized program at Texas Tech University in solar and sustainable energy research. The appointments will be as a full professor in the Whitacre College of Engineering.

The holders of each of the Maddox Chairs will be expected to not only bring his or her own research activities to the Whitacre College of Engineering, but also to build a collaborative community of scholars at Texas Tech to build a world-class research program.

Screening will begin upon the receipt of applications and will continue until the position is filled. Candidate names will not be made public until the final stages of the search. Curriculum vitae and the names and contact information of at least four references should be submitted at [www.coe.ttu.edu/maddox](http://www.coe.ttu.edu/maddox). To nominate a colleague for these chairs, visit [www.coe.ttu.edu/maddox](http://www.coe.ttu.edu/maddox). Nominations can be made anonymously.

Questions about the Jack Maddox or Donovan Maddox Chairs should be directed to:  
Jack Maddox and Donovan Maddox Search Committees  
Texas Tech University | Whitacre College of Engineering  
Box 43103 | Lubbock, Texas 79409-3013 | [engineeringdean.coe@ttu.edu](mailto:engineeringdean.coe@ttu.edu) | 1.800.528.5583

Texas Tech University | Whitacre College of Engineering  
1.800.528.5583 | [www.coe.ttu.edu/maddox](http://www.coe.ttu.edu/maddox)

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ary research, with opportunities to collaborate with outstanding faculty in Engineering, Medicine, Science, and Pharmacy. **Applications should be submitted online at: [jobs.wayne.edu/applicants/Central?quickFind=191974](http://jobs.wayne.edu/applicants/Central?quickFind=191974) (position number 037309).** For further information, contact Professor Charles W. Manke, Chair, Dept. Chemical Engineering and Materials Science, 5050 Anthony Wayne Drive, Room 1105, Detroit, MI 48202, or email [cmanke@eng.wayne.edu](mailto:cmanke@eng.wayne.edu). Review of applications will begin in December 2010. Women and minority candidates are encouraged to apply. Wayne State University is an equal opportunity/affirmative action employer.

#### THE DEPARTMENT OF CHEMICAL AND BIOLOGICAL ENGINEERING AT MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY (MISSOURI S&T, FORMERLY UNIVERSITY OF MISSOURI-ROLLA)

invites applicants and nominations for one position at the assistant professor tenure-track level (Position #00031319) and one position at the associate/full professor tenure-track/tenured level (Position #00033714) depending upon qualifications. Applicants are expected to have earned a PhD degree in chemical engineering or a related discipline and should show outstanding research potential or record. All research areas will be considered. Responsibilities include teaching undergraduate and graduate courses and establishing an externally funded, nationally and internationally recognized scholarly research program. **Note: All application materials must have a position reference number for the position that you are applying for in order to be processed.** Applications will be accepted until the positions are filled. The final candidate is required to provide official transcript(s) for any college degree(s) listed in application materials submitted. Copies of transcript(s) must be provided prior to the start of employment. In addition, the final candidate may be required to verify other credentials listed in application materials. Failure to provide official transcript(s) or other required verification may result in the withdrawal of the job offer. **Applicants should submit curriculum vitae, a detailed research plan including both short-term and long-term plans and goals, a description of teaching interests and capabilities, and contact information for at least three references. All application materials,**

**including resume/vita, cover letter, reference letters, portfolio, etc. must be submitted electronically to the Missouri University of Science and Technology's Human Resource Office using the following address: [hrsinfo@mst.edu](mailto:hrsinfo@mst.edu). Acceptable electronic formats that can be used include PDF and Word.** Missouri S&T participates in E-Verify. For more information on E-Verify, please contact DHS at: 1-888-464-4218. Females, minorities, and persons with disabilities are encouraged to apply. The Missouri S&T is an affirmative action/equal opportunity employer.

#### UNIVERSITY OF NOTRE DAME CHEMICAL & BIOMOLECULAR ENGINEERING FACULTY OPENINGS

The Department of Chemical & Biomolecular Engineering at the University of Notre Dame is pleased to announce openings for tenured or tenure-track faculty at any rank. A Ph.D. or equivalent degree is required. All research fields are welcome. Applicants should have developed, or show potential for development of, an outstanding research program and possess a strong commitment to graduate and undergraduate education. **Applicants should send a pdf file of their curriculum vitae, statement of teaching and research interests and the names and complete addresses of at least four references to: [CBEopen@nd.edu](mailto:CBEopen@nd.edu). Please direct any questions to [mjm@nd.edu](mailto:mjm@nd.edu).** Notre Dame is an equal opportunity/affirmative action employer.

#### CHEMICAL REACTION ENGINEERING AND/OR MULTIPHASE SYSTEMS – TENURE TRACK POSITION

The Department of Chemical and Biological Engineering of the University of British Columbia invites applications for a tenure-track appointment. The appointment is intended to be at the Assistant Professor level. This position will expand upon current UBC expertise in chemical reaction engineering and multiphase systems related to chemical pulping technology and forest-based chemicals in the Pulp and Paper industry. This position is available as of July 1, 2011. Review of the applications will begin on January 1, 2011. **Further details of this posting can be found at [www.chbe.ubc.ca/about/careers/index.php](http://www.chbe.ubc.ca/about/careers/index.php).**

## IOWA STATE UNIVERSITY

The Department of Chemical and Biological Engineering and the Department of Materials Science and Engineering at Iowa State University (<http://www.cbe.iastate.edu/> and <http://www.mse.iastate.edu/>) are soliciting applications and nominations for a tenure-track or tenured faculty position at the assistant, associate, or full professor level. Applicants with training and interests in the areas of biomaterials, bioinspired materials, or biosensors are preferred.

The candidate will have opportunities to engage in significant interdisciplinary collaborations, including those offered by the Ames Laboratory (<http://www.external.ameslab.gov/>), a DOE Laboratory on the Iowa State University campus, the National Science Foundation Engineering Research Center for Biorenewable Chemicals ([www.cbirc.iastate.edu](http://www.cbirc.iastate.edu)), the Bioeconomy Institute ([www.biorenew.iastate.edu](http://www.biorenew.iastate.edu)) and the College of Veterinary Medicine ([www.vetmed.iastate.edu/](http://www.vetmed.iastate.edu/)). Responsibilities will include graduate student training as well as undergraduate and graduate teaching and service activities. All applicants must have a Ph. D. in chemical engineering, materials science and engineering, or a related field, with research in a biological area. Applicants will have demonstrated research accomplishments and the potential for continuing excellence in both research and teaching commensurate with the level of the position.

The Department of Materials Science and Engineering has 22 tenured and tenure-track faculty members, of whom three are National Academy of Engineering members, 175 undergraduate students, and 85 graduate students. Sponsored research expenditures of the department are over \$12M per year. The department enjoys a close relationship and joint research activities with the Ames Laboratory (US DOE), the Center for Nondestructive Evaluation, and the Microelectronics Research Center.

The Department of Chemical and Biological Engineering has 18 tenured and tenure-track faculty, with one National Academy of Engineering member, 475 undergraduate students, and 55 graduate students. Sponsored research expenditures of the department are over \$7M per year. The department is closely associated with the Ames Laboratory, the National Science Foundation Engineering Research Center for Biorenewable Chemicals, and the Bioeconomy Institute.

All applications must be submitted electronically for vacancy #100633. Qualified applicants should consult [www.iastatejobs.com](http://www.iastatejobs.com), complete the employment application, and attach:

- (1) a cover letter
- (2) a curriculum vitae
- (3) a statement of research and teaching interests of not more than three pages, and
- (4) contact information for at least three references.

To ensure consideration, please apply by **February 1, 2011**, although applications will be accepted until the position is filled. We expect the successful candidate to be in place by August 15, 2011. If you have questions regarding this vacancy, please contact Professor Peter J. Reilly at [reilly@iastate.edu](mailto:reilly@iastate.edu) or 515-294-5968. Please direct questions regarding this application process to [employment@iastate.edu](mailto:employment@iastate.edu) or to 1-877-477-7485 (toll-free).

*Iowa State University is an Equal Opportunity/Affirmative Action Employer with NSF ADVANCE funding to support its integrative approach to enhance the participation and success of women faculty in STEM fields.*



## ASSISTANT/ASSOCIATE/FULL PROFESSOR (REPOST & REVISED) POLYMER PROGRAM, INSTITUTE OF MATERIALS SCIENCE/ SCHOOL OF ENGINEERING, UNIVERSITY OF CONNECTICUT

Applications are invited for a tenure-track, open rank full-time faculty appointment at the Institute of Materials Science/School of Engineering. The successful candidate is expected to have a PhD in Polymer Science or related area with the ability to teach in Chemical Engineering, demonstrated potential for scholarship, the ability to establish an externally supported research program, and excellent teaching skills. Our search is focused on candidates who would have an academic appointment in the Chemical Engineering Program of the Chemical, Materials and Biological Engineering Department (CMBE), with office and research labs in the Institute of Materials Science (IMS). The candidate will have coordinated teaching responsibilities in both the Polymer and Chemical Engineering core programs. All areas of Polymer Science will be considered with a preferred emphasis in: (a) polymer processing or (b) applications of polymers and nanomaterials in bio, environmental, or energy-related research topics. The Polymer Program ([www.ims.uconn.edu/polymer](http://www.ims.uconn.edu/polymer)) is a graduate degree granting interdisciplinary program housed in the IMS on the Storrs campus with 12 full-time faculty and approximately 70 graduate students and postdoctoral fellows. The IMS houses faculty and student offices, research laboratories, support shops and about \$20M (replacement value) of shared, state-of-the-art materials science instrumentation. The CMBE department ([www.cmbe.engr.uconn.edu](http://www.cmbe.engr.uconn.edu)) has both Chemical Engineering and Materials Science & Engineering undergraduate and graduate programs with more than 20 research active faculty and more than 75 and 300 PhD and undergraduate students, respectively. Incumbent may be required to work at the University of Connecticut's main campus located in Storrs, and/or the campuses at Avery Point, Hartford, Stamford, Torrington, Waterbury, and West Hartford. Salary and rank of Assistant, Associate or Full Professor will be determined based on qualifications. The anticipated start date is August 2011. **To apply, submit a cover letter, curriculum vitae, list of references, research plan, and teaching statement to: [yhudy@ims.uconn.edu](mailto:yhudy@ims.uconn.edu) or Polymer Search Committee, Institute of Materials Science, 97 North**

Eagleville Road, Storrs, CT 06269-3136. The preferred submission format is a single PDF file in the order shown. Search # 2010143. The University of Connecticut encourages minorities, women and people with disabilities to apply for this position.


## UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN, DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING, FACULTY POSITION

The Department of Chemical and Biomolecular Engineering at the University of Illinois at Urbana-Champaign invites applications for a full time regular faculty position at the Associate or Full Professor level in a research area connected to energy. **Applicants must submit a cover letter, curriculum vitae, and names and contact information of three references. Please visit [http://chbe.illinois.edu/dept/employ\\_opp.php](http://chbe.illinois.edu/dept/employ_opp.php) to view the complete position announcement and application instructions. For full consideration, applications must be received by December 1, 2010.** The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

## DIRECTOR AND ENDOWED CHAIR, SWALM SCHOOL OF CHEMICAL ENGINEERING, MISSISSIPPI STATE UNIVERSITY

Applications and nominations are being sought for the Director of the Dave C. Swalm School of Chemical Engineering at Mississippi State University. The Director will also hold the Earnest W. Deavenport, Jr. Chair in Chemical Engineering. The Swalm School of Chemical Engineering is an ABET accredited program offering BS, MS, and PhD degrees with a record of scholarly achievement. The School generates research expenditures averaging \$4M annually from federal, state and private funding agencies. Areas of research expertise include Crystallization, Medical Micro devices, Materials, and Energy Sources and collaborations extend into research centers within the Bagley College of Engineering ([www.engr.msstate.edu](http://www.engr.msstate.edu)). The Swalm School of Chemical Engineering ([www.che.msstate.edu](http://www.che.msstate.edu)) is comprised of 10 faculty members, 250 undergraduates, and 26 graduate students. The School is housed in a modern facility and features 18 research laboratories, 10 classrooms, and a multimedia auditorium. Endowments support the school in a number of key areas including chairs, a professorship, undergraduate scholarships, and other initiatives. Qualified candidates must hold earned BS and PhD degrees in Chemical Engineering or closely related fields and possess excellent leadership and interpersonal skills. They will be nationally recognized scholars with distinguished academic records commensurate with the rank of tenured Professor and holder of an endowed chair. Relevant administrative and industrial experience is desirable. Screening of applications will begin February 1, 2011, and will continue until the position is filled. The anticipated starting date is July 1, 2011. **Applications should include a letter outlining the candidate's qualifications, professional interests, and leadership vision, current curriculum vitae, and contact information for at least three professional references. Electronic application submissions are required: [www.jobs.msstate.edu](http://www.jobs.msstate.edu). Inquiries and nominations should be directed to Dr. Royce Bowden, Search Committee Chair ([bowden@ise.msstate.edu](mailto:bowden@ise.msstate.edu), phone: 662-325-3865).** Mississippi State University is an AA/EOE.

**CHEMICAL AND PAPER ENGINEERING: TENURE-TRACK ASSISTANT/ASSOCIATE PROFESSOR** to teach undergraduate and graduate courses; develop and maintain high quality independent research programs; enhance curriculum; advise students; supervise undergraduate senior design projects, independent studies and graduate thesis research; participate in departmental, divisional, university and professional service activities. Require: Ph.D. in bioengineering, chemical engineering or closely related field of engineering. (Ph.D. candidates will be considered, but doctorate must be completed by time of appointment); ability to teach courses in bioengineering; expertise in biomaterials, biomechanics, biomedical, biochemical engineering or systems biology. For appointment as associate professor, require an established record of research and scholarly activity, teaching and service. Desire: research experience in the bioengineering field; teaching experience in higher education. However, research expertise in any area of bioengineering or chemical engineering will be considered. **Send curriculum vitae, teaching philosophy, research experience and plans, and descriptions of other experiences appropriate to the position and three letters of reference to Dr. Lei Kerr ([kerrll@muohio.edu](mailto:kerrll@muohio.edu)) Chemical & Paper Engineering, Miami University. Contact phone number is 513/529-0768.** Screening of applications begins January 17, 2010 and will continue until the position is filled. For more information about the department, visit [www.eas.muohio.edu/departments/pce/faculty-searches](http://www.eas.muohio.edu/departments/pce/faculty-searches). Miami University is an EOE/AA employer with smoke free campuses. For information regarding



المعهد البترولي  
THE PETROLEUM INSTITUTE  
Abu Dhabi, UAE

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### FACULTY POSITIONS Chemical Engineering

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**Chemical Engineering Department**  
is seeking applications for the following positions:

**Chair Professor, Distinguished Professor**  
**Professor, Associate Professor, Assistant Professor**  
**Senior Research/Teaching Associate**  
**Research/Teaching Associate**

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Department faculty will be expected to teach undergraduate and graduate courses, develop an active research program, and to engage in professional and institutional service activities. Opportunities to interact with PI industrial stakeholders and other local industries will be a key feature in the development of a research program.

**Institution:** The Petroleum Institute (PI) was created in 2001 with the goal of establishing itself as a world-class institution in engineering education and research in areas of significance to the oil and gas and the broader energy industries. The PI's sponsors and affiliates include Abu Dhabi National Oil Company and several major international oil companies, namely Shell, BP, Jodco and Total. The campus has modern instructional laboratories and classroom facilities and is now in the planning phase of three major research centers on its campus. The PI is affiliated with the Colorado School of Mines, the University of Maryland (College Park), the University of Minnesota and Johannes Kepler University in Linz, Austria. Recent additions to collaborating institutions include Rice University and University of Texas, Austin. The growth of the PI is instrumental to meet the business and research needs of the fast growth of the UAE industry. For additional information, please refer to the PI website: [www.pi.ac.ae](http://www.pi.ac.ae).

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For details on the positions and to submit your application, please go to:

**<http://www.pi.ac.ae/jobs>**

Review of applications will begin immediately  
and will continue until successful candidates are selected.  
Only shortlisted applicants will be notified.



campus crime and safety, visit [www.muohio.edu/righttoknow](http://www.muohio.edu/righttoknow). Hard copy upon request.

## ELECTROCHEMICAL ENERGY

The Ira A. Fulton Schools of Engineering at Arizona State University invites applications for a tenure-track or tenured faculty position in the arena of electrochemical energy. The successful candidate may be an experimentalist or theoretician/computational scientist and will hold an earned PhD (or equivalent) in Materials Science and Engineering, Chemical Engineering, Mechanical Engineering, Chemistry or Physics. Areas of expertise that are of specific interest include but are not limited to, high-power density electrochemical energy storage, advanced electrode engineering, theory/computation relevant to electrochemical energy storage and conversion, and materials science that intrinsically enhances the sustainability of electrochemical energy conversion or storage. Faculty members are expected to teach undergraduate and graduate courses, and initiate and sustain a vigorous graduate research program. To apply, applicants must provide a curriculum vita that includes their teaching experience and interests, a list of publications, and a synopsis of a proposed program of research. Candidates for tenure-track positions must include the names and contact information of 3 references. Candidates for tenured positions must have achieved national and international recognition for their scholarship and must include the names and contact information of 5 references. Review of applications will begin November 1, 2010 and will continue until the position is filled. **Please send application materials to [electrochemical.energy.faculty@asu.edu](mailto:electrochemical.energy.faculty@asu.edu).** Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply. Survey: ASU offers applicants an opportunity to voluntarily self-disclose information for the University's affirmative action plan; applicants may complete an EEO survey for the position they are applying for online. Information you'll need to complete the survey: Job order number: 9599; Job Title: Electrochemical Energy Storage; Department Name: Engineering.

## UNIVERSITY OF SOUTH CAROLINA BIOMEDICAL ENGINEERING PROGRAM

The College of Engineering and Computing ([www.cec.sc.edu](http://www.cec.sc.edu)) seeks to fill multiple tenure-track positions (at the rank of assistant, associate, or full professor) in the area of biomedical engineering (<http://biomed.engr.sc.edu/>). These positions are associated with and are expected to support a NSF RII award building a statewide alliance focused on biofabrication (<http://www.scepscoridea.org/epscor/2009NSFRRII.html>). Areas of research specialization include, but are not limited to: biofabrication, biomaterials, mechanotransduction, biomimetics, biofluid mechanics, and computational modeling. Faculty associated with the statewide biofabrication effort have significant opportunities and access to world class facilities and staff across the state with expertise in the clinical, engineering, physical, and computational sciences. Primary appointment will be in the Department of Chemical Engineering or Mechanical Engineering and will be affiliated with the Biomedical Engineering Program. Applicants must have a Ph.D. in a relevant field and a record indicating exceptional potential for research in

an area of biomedical engineering relevant to the statewide biofabrication effort. Postdoctoral research experience is beneficial but not required. The successful candidate will establish an interdisciplinary research program of national and international prominence and demonstrate dedication to graduate and undergraduate education. Applicants with appropriate experience and qualifications will be considered for an Endowed Chair in Advanced Tissue Biofabrication. **Applications should submit with their letter of application, a curriculum vitae, research and teaching plans, and contact information for at least three references. Applications should be submitted electronically to Ms. Carol Davis (BiomedFac-Search@cec.sc.edu). The initial screening of applicants will begin on November 1, 2010.** Positions will remain open until all positions are filled. The University of South Carolina is an affirmative action, equal opportunity employer. Applications from underrepresented minority groups and women are especially encouraged.

## THE UNIVERSITY OF SOUTH CAROLINA

invites applications for a tenure-track Assistant Professor position in Chemical Engineering. Preference will be given to those candidates that have a strong background in the areas of environmental studies, preferably as applied to the field of energy production from coal. Applicants should possess a PhD in chemical engineering or a related field. The successful candidate is expected to develop an internationally recognized, externally funded research program as part of the USC research thrust in Strategic Environmental Approaches to Energy Production from Coal, located in the new Horizon I research building. **Each interested applicant should send one (1) complete .PDF file, that includes a letter of application, a Curriculum Vita, a concise description of research and teaching plans and contact information for three references to: Search Committee Chair, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208 via [ChemEngSearch@cec.sc.edu](mailto:ChemEngSearch@cec.sc.edu). For full consideration, applications must be received by December 1, 2010.** The University of South Carolina is an affirmative action, equal opportunity employer. Applications from underrepresented minority groups and women are especially encouraged.

## GEORGIA INSTITUTE OF TECHNOLOGY

The School of Chemical & Biomolecular Engineering at Georgia Tech seeks outstanding individuals for tenure-track positions. Successful applicants will have a Ph.D. in Chemical Engineering or a related discipline. We seek the best possible candidates, irrespective of research field, although energy, sustainability, systems engineering, vaccine engineering, and synthetic biology/systems biology/modeling are of particular interest. **A curriculum vitae, a statement of research and teaching interests, and names and addresses of at least four professional references should be submitted electronically to [faculty.candidates@chbe.gatech.edu](mailto:faculty.candidates@chbe.gatech.edu). Alternatively, hard copies of the above information can be mailed to Ronald W. Rousseau, Professor and Chair, School of Chemical & Biomolecular Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0100.** Georgia Tech is an equal opportunity employer and a unit of the University system of Georgia.



## Faculty Position in Process Systems Engineering

The Department of Chemical Engineering at McMaster University is seeking an outstanding individual for a tenure-track position at the Assistant or Associate Professor level in the area of process systems engineering. The position is available from July 1, 2011.

Applicants should have a Ph.D. in Chemical Engineering or closely related discipline and have research interests in areas related to process systems engineering. A broad range of interests within the general process systems area will be considered, including sustainable process engineering, multivariate statistical analysis and applications, multiscale modeling and control, supply chain optimization, systems biology, etc. The successful candidate will have the opportunity to participate in the McMaster Advanced Control Consortium with the existing faculty and several multinational companies. The successful candidate will also be expected to contribute to teaching in our graduate and undergraduate programs and to develop a strong research program.

Applicants should send a letter of application, full CV including a list of publications, statement of teaching and research interests, a selection of research publications, and the names of three references (with postal and email addresses). Registration or eligibility for registration by Professional Engineers of Ontario, will be considered an asset. Please send the application materials to: Dr. Shiping Zhu, Prof & Chair, Department of Chemical Engineering, McMaster University, Hamilton, Ontario, Canada L8S 4L7. Applications will be accepted until the position has been filled.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. McMaster University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Aboriginal persons, members of sexual minorities, and persons with disabilities.

## MASSACHUSETTS INSTITUTE OF TECHNOLOGY DEPARTMENT OF CHEMICAL ENGINEERING FACULTY POSITION

The MIT Department of Chemical Engineering (<http://web.mit.edu/cheme/>) invites applicants to apply for a tenure-track faculty position to begin July 2011 or thereafter. Appointment would be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible. Applicants should hold a Ph.D. in chemical engineering or a related field by the beginning of the appointment period. The department is particularly interested in candidates with interests in molecular computation, catalysis, energy, and systems. The candidate should have demonstrated excellence in original research. Faculty duties include teaching at the graduate and undergraduate levels. **Interested candidates should submit application materials electronically at <https://chemefacsrch.mit.edu>. Each application should include: a curriculum vitae, the names and addresses of three or more references, a strategic statement of research interests, and a statement of teaching interests. Each candidate must arrange for reference letters to be uploaded at <https://chemefacsrch.mit.edu/letters/>. Questions should be addressed to ChemE-Search-Master@chemefacsrch.mit.edu. Responses received by December 1, 2010, will be given priority.** With MIT's strong commitment to diversity in engineering education, research and practice we especially encourage minorities and women to apply. MIT is an Equal Opportunity/Affirmative Action employer.

## FACULTY POSITION - COLUMBIA UNIVERSITY DEPARTMENT OF CHEMICAL ENGINEERING

The Department of Chemical Engineering (CHEN) at Columbia University invites applications for tenure and tenure-track faculty positions. Appointments at all levels, including assistant professor, associate professor, and full professor, will be considered. The department's priority areas are in health, infrastructure, and sustainability. Outstanding candidates who are experts in specific and cross-cutting areas including, but not limited to, energy, the environment, and biological engineering and who can make significant contributions to the above priority area(s) are welcome to apply. Candidates working at the interface between physical sciences, life sciences, and computer science are also encouraged to apply. All applicants MUST meet these minimum qualifications to be considered for the position. Assistant Professors at Columbia are academic officers holding the doctorate or its professional equivalent who are beginning a career of independent scholarly research and teaching. Associate Professors at Columbia are academic officers holding the doctorate or its professional equivalent who have demonstrated scholarly and teaching ability and show great promise of attaining distinction in their fields of specialization. Professors at Columbia are scholars and teachers holding the doctorate or its professional equivalent who are widely recognized for their distinction. Candidates for senior-level appointment must have a distinguished record of achievement as evidenced by leadership in their field of expertise, publications, professional recognition, as well as a commitment to excellence in teaching. The search will close no sooner than November 30, 2010, and will remain open until the position is filled. Starting date is July 1, 2011. Candidates should submit a brief research plan, statement of teaching objectives that demonstrates a commitment to chemical engineering education, the names and contact information of three references, a curriculum vitae, and reprints of recent key research publications.

**Do not mail applications. Please apply online to: <https://academicjobs.columbia.edu/applicants/Central?quickFind=53784>.** Columbia University is an equal opportunity/affirmative action employer.

## UNIVERSITY OF SOUTH FLORIDA FACULTY POSITION, DEPARTMENT OF CHEMICAL & BIOMEDICAL ENGINEERING

The Department of Chemical & Biomedical Engineering invites applications for tenure-track faculty position in the area of biomedical engineering. An earned Ph.D. in Chemical Engineering, Biomedical Engineering or a closely related field and a clear potential for national prominence through externally funded research and teaching are required.

Applicants for the rank of Associate/Full Professor must have demonstrated strong capabilities in funded research, instruction, and mentoring of students. Candidates with research interests in areas such as biomedical devices, cellular/tissue engineering, biomaterials and biological transport processes are encouraged to apply. Applicants are expected to contribute to efforts to strengthen and expand current biomedical engineering thrusts at undergraduate and graduate levels. Applications from women and minority candidates are strongly encouraged. The University of South Florida System is one of the nation's top 63 public research universities and one of 39 community-engaged, four-year

public universities as designated by the Carnegie Foundation for the Advancement of Teaching. The University of South Florida placed among the nation's top 20 "up and coming universities" in the 2009 U.S. News & World Report annual college rankings. USF was awarded \$380.4 million in research contracts and grants in FY 2008/2009. The system offers 232 degree programs at the undergraduate, graduate, specialist and doctoral levels, including the doctor of medicine. It has a \$1.8 billion annual budget, an annual economic impact of \$3.2 billion, and serves more than 47,000 students on institutions/campuses in Tampa, St. Petersburg, Sarasota-Manatee and Lakeland. USF is a member of the Big East Athletic Conference. The Chemical & Biomedical Engineering program is ABET accredited and offers degrees at all levels. The Biomedical Engineering program offers MS and Ph.D. degrees. Further information on the department can be found at <http://che.eng.usf.edu>. **Applicants must submit their application, with its supporting documentation directly to <https://employment.usf.edu>. To request disability accommodations in the application and interview process, please call (813) 974-2970. Please include 3-5 references, a statement of research and teaching interests, and reprints or web links to at least three publications in peer-reviewed journals.** Review of applications will begin December 15, 2010; with applications being accepted until January 7, 2011. USF is an equal opportunity/equal access/affirmative action institution.

## FACULTY POSITION IN THE DEPARTMENT OF CHEMICAL AND ENVIRONMENTAL ENGINEERING, UNIVERSITY OF CALIFORNIA, RIVERSIDE

The Department of Chemical and Environmental Engineering at the University of California, Riverside invites applications for tenure-track or tenured positions in the fields of biotechnology; chemical, biochemical, biomolecular, and metabolic engineering; and materials for energy. Applications are especially encouraged from individuals with research interest in biomass conversion for energy applications, environmental biotechnology, biological processes for water and wastewater treatment, and materials for solar cells and solar fuels. Applicants should have a distinguished academic record, exceptional potential to conduct world-class research, and a commitment to teach chemical and environmental engineering classes at both the undergraduate and graduate levels. A doctoral degree in chemical or environmental engineering or a related field is required. **Details and application materials are at [www.engr.ucr.edu/facultysearch](http://www.engr.ucr.edu/facultysearch).** The search committee will review applications beginning on 12/15/10 and continue to receive applications until the positions are filled. EEO/AA employer.



### FACULTY POSITIONS CHEMICAL ENGINEERING

The Department of Chemical Engineering at the University of Delaware invites applications for one tenure-track faculty position at all ranks. **REQUIREMENTS:** Ph.D. or equivalent in chemical engineering or a related field. Applicants for positions beyond the rank of Assistant are expected to have a commensurate record of accomplishments.

**DUTIES:** Lead vigorous research programs, teach and advise students at both the undergraduate and graduate levels. Applications in all research areas will be considered, with emphasis on candidates with expertise in energy science and engineering. Our department ([www.che.udel.edu](http://www.che.udel.edu)) is consistently ranked among the ten leading chemical engineering departments nationwide. Current energy research in the department includes novel materials for fuel cells, hydrogen generation and storage, materials and fuels from biomass, photovoltaics, and environmental catalysis. This position is part of the College of Engineering Cluster Hiring in Energy Engineering. Additional positions in Bioengineering, Composite Materials, National Security and other focus areas are also available at [www.engr.udel.edu](http://www.engr.udel.edu).

**CONTACT:** Please send Curriculum Vitae, a description of research and teaching interests, and the names, addresses, telephone numbers and email addresses of three references in PDF format to Professor Jingguang Chen, Search Committee Chairperson at <http://www.engr.udel.edu/facultysearch>; or mail to Faculty Search, Department of Chemical Engineering, 102 DuPont Hall, University of Delaware, Newark, DE 19716-3110. PDF submissions are strongly encouraged. The committee will commence review of applications on November 15, 2010. The curriculum vitae and letters of reference shall be shared with department faculty.

**The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.**

## TO PLACE A RECRUITMENT AD CONTACT:

**Denise DeLuca Mallon,**  
Global Recruitment  
Sales Manager  
at 646-279-2149  
or [denid@aiche.org](mailto:denid@aiche.org)