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## POSITIONS AVAILABLE

### ENGINEERING CONSULTANT

Unique opportunity for a talented engineer who wishes to maximize their commercial and engineering skills in the financial sector, at one of the world's leading oil, gas and petrochemical risk consultant and insurance brokers. The Marsh Risk Engineering Team is essential to the growth of our Marine and Energy practice, as well as an integral part of energy brokering that categorizes risks in international insurance markets. Our engineers are involved in a wide range of activities which can include: Conducting risk assessments with site management; reviewing loss control policies/procedures, generating benchmarks and recommending improvements; analyzing site facilities to benchmark safety design and various emergency control features; conducting insurance underwriting surveys, safety management training and new project reviews; executing new business targeting and development—from the front line, leveraging industry knowledge. We now seek Engineers who have a BS in Chemical Engineering, coupled with at least 5 years' experience with an oil/petrochemical company or major contractor, and hands-on operations experience. Excellent written/verbal communication skills in English and Spanish are required, along with a comprehensive understanding of MS Office. This position is based in Houston and offers extensive travel (about 33%) within the USA and Latin America. **For consideration, send resumes to: Talent Acquisition & Career Mobility, 1166 Avenue of the Americas, New York, NY 10036; Fax: 212-948-0572. EOE. MARSH**

### SYNFUELS PROGRAM MANAGER

RTI International is seeking a Senior Research Engineer/Program Manager to lead efforts in the area of syngas conversion to fuels and chemicals. Ideal candidate will have a PhD chemical engineering or chemistry and 10+ years of experience in the area of syngas conversion to fuels and chemicals. Ideally, he/she will have successfully managed R&D programs in syngas conversion to fuels and chemicals. He/she must have a thorough understanding of the enabling technologies and integration strategies for chemical production from syngas including coal and biomass gasification, syngas cleanup, CO<sub>2</sub> capture, and co-production of fuels, H<sub>2</sub>, chemicals and electricity. He/she must also have a thorough understanding of the fundamental scientific and engineering aspects of an R&D program including a strong catalysis and reaction engineering background, a fundamental understanding of CO-H<sub>2</sub> chemistry, and designing and operating bench-scale test systems. Additional responsibilities will include: Leading and managing ongoing projects and staff in the syngas to chemicals area, initiating new research projects in the area, sustaining and grow-

ing funding through effective dialog with existing and potential new clients and proposal writing, further developing RTI's intellectual property position in syngas conversion to chemicals, and helping to grow RTI's reputation through publications and presentations to the scientific community. **Interested candidates should apply to [www.rti.org/careers](http://www.rti.org/careers) Job# BM12576.** We are proud to be an EEO/AA employer M/F/D/V.



## Director, EMS Energy Institute

The College of Earth and Mineral Sciences (EMS) of The Pennsylvania State University seeks nominations and applications for an internationally recognized scientist/engineer to serve as Director of the EMS Energy Institute. Penn State is committed to research in energy. The Director is responsible for promoting existing areas of energy-related research, as well as developing new programs in emerging fields including renewable energy, energy efficiency and hydrogen. The Energy Institute currently has 150 affiliated faculty, staff and students working in the 50,000 square ft. research facilities, with about 150 external research contracts per year, valued at more than \$10 million. The Director is expected to continue and enhance the Energy Institute's tradition of excellence in its internationally recognized research programs involving graduate and undergraduate students, as well as research staff members. In addition, the Director will provide strategic input to the Dean of the College and senior academic administrators.

The Director must have the following qualifications: the scientific breadth and vision needed to foster and to lead multidisciplinary and collaborative research at the Institute; an earned doctorate and the scholarly credentials needed to be appointed as a tenured full professor in one of the College's academic departments; a strong record of scholarly research in an energy-related area; demonstrated ability to attract human and financial resources for a successful research program; and the desire to be an enthusiastic and articulate spokesperson for the Institute and its diverse activities. Applications are encouraged from candidates whose scholarly research focuses on any of the Energy related disciplines. Outstanding candidates from the academy, private sector, and national laboratories who fulfill these requirements are encouraged to apply.

Review of applications will begin on August 1, 2006 and will continue until the position is filled. Each application should consist of a cover letter, curriculum vitae, brief vision statement, names of five references, and other supporting materials. Please send applications or nominations by e-mail to Dr. Michael Adewumi, Search Committee Chair. If by e-mail, please send the materials to [m2a@psu.edu](mailto:m2a@psu.edu) and copy Ms. Jennifer Theiss at [jaw34@psu.edu](mailto:jaw34@psu.edu). If by paper copy, please send materials to the address below. For additional information about the EMS Energy Institute, please visit the web site at <http://www.energy.psu.edu/> or send an e-mail to [jaw34@psu.edu](mailto:jaw34@psu.edu). Nominations and applications should be addressed to: Michael A. Adewumi, Chair, Energy Institute Director Search, The Pennsylvania State University, 221 Walker Building, University Park, PA 16802.

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

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## PROCESS CONTROL & TECHNOLOGY ENGINEER

Bayer Corporate and Business Services LLC in Baytown, Texas, seeks a Process Control & Technology Engr to be resp. for dsgn, dvlpmnt & implementation of solutions to solve complex problems of chemical & bio-chemical mfg. Master's degree in Chem. Engrng reqd. Must know (through academic training or work exp.): (i) chemical process modeling, advanced process control, & linear/nonlinear/mixed integer programming; (ii) process monitoring & control loop performance monitoring; & (iii) multivariate statistical analysis techniques. **Submit resume via email to mary-ellen.mahoney.b@bayer.com.**

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## PROCESS ENGINEER

Move to the Scenic Northwest! Solvay Chemicals, Inc., the world's largest producer of peroxygen chemicals, seeks a process engineer for our chemical manufacturing facility in Longview, Washington. Desire: Bachelor's degree in Chemical Engineering with a minimum 3.25 GPA (4.0 scale); 2 to 5 years experience in a chemical manufacturing facility or relevant environment; willingness to relocate for future company needs. Responsibilities include: Monitoring all aspects of the manufacturing process; identifying, troubleshooting, and solving process problems; optimizing the process, and identifying cost-saving opportunities; providing technical information and support to the manufacturing and maintenance departments; designing and executing modifications to the plant's distributed control system; managing the plant's process hazard analysis (PHA) program; minimizing the plant's impact on the environment. We offer excellent salary and benefits. **Qualified applicants, please send resume to: Process-Engineer@hotmail.com.** For more information about Solvay please visit our website at: <http://www.solvay.com/>

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## SENIOR PROCESS ENGINEERING ADVISOR

Manage, lead, advise and be responsible for day-to-day operations of the process design teams in Houston, Texas office. Bachelor's degree in Chemical Engineering. Any suitable combination of 6 years experience in the job offered, as a process engineer or in an equivalent engineering position is acceptable. Experience must include experience in large floating oil production facilities (300+ kbod), gas production facilities (700+ Mmscfd), marginal field development, deep sea satellite development and high pressure low temperature gas processing systems. **Submit resume to: Universal Personnel, 1100 Poydras Street, Suite 1300, New Orleans, LA 70163, ATTN: Jessica Breeden, jrbreeden@tonsojobs.com.**

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## ENGINEERING

The Dow Chemical Co. has an opening in its Freeport, TX office for the following position: Research Analyst. Confer with internal manufacturing clients to identify their needs in multivariate statistical data analysis using industrial experience in implementing chemometrics and advanced process control. Ph.D. and relevant skills req'd. **Send resumes to: The Dow Chemical Co, Attn: Workforce Planning/LL, 9330 Zionsville, 1D102, Indianapolis, IN, 46268. Resumes must be submitted with cover letter referencing AD# 0706 and Job Title. Applications submitted without reference to ad# and job title will not be accepted.** EOE.

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## ACADEMIC OPENINGS

### CORNELL UNIVERSITY, SCHOOL OF CHEMICAL & BIOMOLECULAR ENGINEERING

Faculty Opening: Cornell University invites applications for a tenure-track or tenured position in the School of Chemical and Biomolecular Engineering at any rank (Assistant, Associate, or Full Professor) consistent with the candidate's experience and achievements. The successful candidate must demonstrate the ability to build a strong research program, and to effectively teach and mentor undergraduate and graduate students. All research areas will be considered, with some preference given to those in the broad areas of biomolecular engineering, electronic materials synthesis and characterization, and energy engineering. The successful candidate

can expect to benefit from associations with Cornell's interdisciplinary research centers, national facilities and resources in nanobiotechnology, biotechnology, nanoscale systems, materials research, nanofabrication, a High Energy Synchrotron Source and supercomputing facilities ([www.engineering.cornell.edu/research/research-centers](http://www.engineering.cornell.edu/research/research-centers)). Additionally, Cornell University provides an environment that promotes collaboration with other faculty campus-wide, as exemplified by Cornell's initiatives in Life Sciences, Sustainable Development, and Advanced Materials. The School of Chemical and Biomolecular Engineering, and the College of Engineering, are committed to increasing the diversity of the faculty and we strongly encourage people from under-represented minority backgrounds to apply. Cornell is committed to being a supportive, family-oriented employer. Cornell is an innovative, inclusive and dynamic teaching and research university where staff, faculty, and students alike are challenged to make an enduring contribution to the betterment of humanity. **Applicants should submit a curriculum vita, a research statement, a teaching statement, copies of key publications and names of at least three references to the Faculty Search Committee, attn: Professor Claude Cohen, School of Chemical and Biomolecular Engineering, 120 Olin Hall, Cornell University, Ithaca, NY 14853 or via email to: [search@cheme.cornell.edu](mailto:search@cheme.cornell.edu).** Cornell University is an equal opportunity, affirmative action educator and employer.

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### THE DEPARTMENT OF CHEMICAL ENGINEERING AT TEXAS TECH UNIVERSITY

invites applications for a tenure track position at the assistant or associate professor level. Outstanding candidates with expertise in research areas such as cellular engineering, systems biology, biomaterials, metabolic engineering, nanotechnology, polymer and materials engineering, alternative energy sources, and molecular modeling are encouraged to apply. Applicants must have a Ph.D. degree in Chemical Engineering or a closely related field; however, one of the degrees, BS or PhD, should preferably be in Chemical Engineering. During the last four years, the department had average annual research expenditures of \$2.23 million in the following four focus areas: Bioengineering and Biotechnology; Polymers, Material Science, and Rheology; Process Control and Optimization; and Computational Methods in Chemical Engineering. The research environment at Texas Tech features a \$37 million Experimental Sciences Building (ESB) for interdisciplinary research. The ESB houses core facilities for Biotechnology and Genomics, Imaging and Bioinformatics, as well as Plant Growth Chambers, and an animal care facility. The Chemical Engineering Department will also have significant research space in the \$10 million renovated Livermore Building, a project to be completed by the fall of 2008. The TTU Health Sciences Center, adjacent to the TTU general academic campus, likewise offers collaborative opportunities for biomedical research. Successful candidates will be expected to develop an independent research program, to teach existing graduate and undergraduate courses in chemical engineering, and to develop new courses. **Applicants should send a detailed CV, a statement of research and teaching interests, and the names and addresses of at least three references to: Chair- Search Committee, Department of Chemical Engineering, Texas Tech University, Box 43121, Lubbock, TX 79409-3121.** Review of applications will begin on October 1, 2006; and applications will be accepted until the position is filled. The position may be filled as early as January 1, 2007. Candidates must be currently eligible to work in the United States. Texas Tech University is an equal opportunity/affirmative action employer and actively seeks the candidacy of women and minorities.

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### FACULTY POSITION IN CHEMICAL ENGINEERING AT YALE UNIVERSITY

The Department of Chemical Engineering at Yale University invites applications for a faculty position at the Assistant Professor level. The search is focused on individuals demonstrating outstanding potential, and with research interests in the biomolecular/biological side of modern chemical engineering, including bioseparations, biocolloids/biointerfaces, biomaterials, and bionanotechnology. The successful candidate will be expected to develop a creative and dynamic externally-funded research program, teach undergraduate and graduate courses in chemical engineering, and advise graduate students. With exciting programs at the forefront of the biological, medical, physical, and engineering sciences, Yale offers an ideal intellectual setting for a flourishing academic career in biomolecular/biological engineering.

Nominations and applications with a detailed resume, a description of research and teaching interests, and names and addresses of four references should be sent to: Chair, Chemical Engineering Search Committee, Department of Chemical Engineering, Yale University, P.O. Box 208286, New Haven, CT 06520-8286. Review of applications will begin August 31, 2006 and continue until the position is filled. Yale University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and members of underrepresented minority groups. See <http://www.eng.yale.edu/content/DPChemicalEngineering.asp> for further information on our department.

#### UNIVERSITY OF CALIFORNIA, BERKELEY, DEPARTMENT OF CHEMICAL ENGINEERING, NON-TENURED/TENURED FACULTY POSITION

University of California, Berkeley, seeks applicants for a non-tenured or tenured faculty position effective July 1, 2007 in the Department of Chemical Engineering. Of particular interest are persons whose research involves the development of theoretical methods and their application in the areas of materials and biological processes. However, creative and energetic individuals who show extraordinary promise or accomplishment in any area will be considered. We require a PhD in Chemical Engineering or a closely related discipline. **To apply, please send a curriculum vitae, detailed statements of research and teaching interests, and names and addresses of three references to: Chair, Search Committee, Department of Chemical Engineering, University of California, Berkeley, CA 94720-1462. Applications submitted after October 15, 2006 will not be considered, and earlier application is encouraged.** The University of California is an Equal Opportunity, Affirmative Action Employer.

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

We seek to fill a cluster of tenure-track faculty positions in the area of Biomedical Engineering for a new multidisciplinary research and teaching initiative. This search is being conducted in collaboration with the Department of Mechanical Engineering and with the School of Medicine at the University of South Carolina. Candidates for this cluster are expected to be at the forefront of research in Biomedical Engineering and to support graduate and undergraduate education programs in this field. Candidates with research interests that complement current expertise at the University of South Carolina in cardiovascular development, wound healing, and regenerative medicine are especially encouraged to apply. Candidates are expected to develop a nationally recognized externally funded research program. For more information, see the web site of the College of Engineering and Information Technology at [www.engr.sc.edu](http://www.engr.sc.edu). **Applicants are requested to submit with their letter of application, a professional vitae, transcripts of undergraduate work, names of three references, and statements of their research plans and teaching interests. All materials should be addressed to the Biomedical Faculty Search Committee, Office of the Dean, College of Engineering and Information Technology, University of South Carolina, Columbia SC, 29208. Candidates may submit materials via electronic mail to [biomedfaculty@engr.sc.edu](mailto:biomedfaculty@engr.sc.edu).** Review of applications will begin immediately and will continue until the positions are filled. The University of South Carolina is an Equal Opportunity/ Affirmative Action Employer.

### Chemical Engineering Department University of Florida

The Chemical Engineering Department at the University of Florida invites applications or nominations for a tenure-track faculty position starting in the Fall of 2007. Faculty rank is open. Applicants should have a PhD in Chemical Engineering (or related field) with research interests in energy-related areas. Preference will be given to candidates who are likely to leverage current UF energy-research strengths (eg. Bio-based fuels, fuel cells, photovoltaics) and who can potentially interface with current UF energy-research programs. 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. 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.** Electronic applications should be sent to Ms. Debbie Sandoval [dsand@che.ufl.edu](mailto:dsand@che.ufl.edu). The deadline for applications is November 25, 2006. The University of Florida is an equal opportunity institution, and women and minorities are strongly encouraged to apply.



### Dean, Newark College of Engineering (NCE)

**Responsibilities:** The Dean serves as chief executive officer of the largest college within New Jersey Institute of Technology (NJIT). The Dean is a senior academic officer who reports to the Provost & works closely with the President & other senior officers. Specific responsibilities include: accreditation activities, strategic planning, program evaluation & development; corporate outreach; fundraising; enrollment & market planning; building & fostering interdisciplinary initiatives in education & research; managing the finances & budget of NCE; recruitment & selection of new faculty & students. The Dean must be able to establish beneficial relationships with industry, government agencies & the community. The Dean must be an effective fundraiser & communicator; a dynamic & proactive individual with a clear & compelling vision for engineering, professional education & research in the context of a technological university. NJIT seeks an individual who can offer innovative solutions to the challenges facing engineering research & education today & who will establish synergistic relationships with other professional programs.

**Qualifications:** Viable candidates must have an earned doctorate in engineering; an outstanding track record of research, teaching & service that merits appointment as a senior faculty member with tenure in an NCE department; a successful record of leadership, experience & management to effect change with vision, cooperation & shared governance.

**Applications:** Consideration of applicants will begin August 1, 2006. Applications must include letter, curriculum vitae, the names, addresses (mailing & email) & telephone numbers of at least five references. **Materials should be emailed as an attachment to: [DeanNCEsearch@njit.edu](mailto:DeanNCEsearch@njit.edu).** The search will not be concluded until a successful applicant is appointed.

*Founded in 1881 & designated as one of the three public research universities in New Jersey, NJIT ([www.njit.edu](http://www.njit.edu)) has approximately 8,200 students. It awards more than 1,800 degrees annually from the baccalaureate through the PhD. NJIT expends over \$75 million annually for research. The 45-acre residential campus is located in the University Heights section of Newark, less than 10 miles from New York City & minutes from Newark Liberty International Airport. NCE enrolls about 55 percent of the NJIT student body. NCE continues to adapt its curriculum to emerging technologies to prepare its students for an ever-changing marketplace. NJIT is an equal opportunity, affirmative action, equal access employer & especially encourages applications from under-represented groups.*

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## ASSOCIATE/FULL PROFESSOR IN BIOLOGICAL ENGINEERING, UNIV. HAWAII, TENURETRACK

Provide strong leadership in the Biological Engineering instructional program and in ABET accreditation, teach senior capstone design and other undergraduate courses, and establish a high-quality research program in Bioprocess Engineering. PhD in Biological, Chemical or related engineering disciplines. **To apply: Send cover letter, cv, statement of research and teaching interests, 5 representative reprints, and contact information of 3 references to: Search Committee Chair, Department of Molecular Biosciences & Bioengineering, University of Hawaii at Manoa, 1955 East West Rd, Honolulu, HI 96822.** Further information on the position and the department can be viewed at <http://www.ctahr.hawaii.edu/mbbe/>. Inquiries: 808-956-8384.

## THE UNIVERSITY OF TULSA, TENURE-TRACK APPOINTMENT

The Department of Chemical Engineering is seeking to fill a Wellspring Professorship in Biochemical Engineering, which is a tenure-track position at the Assistant Professor level. The desired area of research is biochemical engineering, and the anticipated starting date is Fall 2007. The successful candidate must have a sincere commitment to excellence in teaching as well as research, and will be expected to teach at both the undergraduate and graduate levels in the Department of Chemical Engineering. Minimum qualifications include an earned doctorate or its equivalent in biochemical or chemical engineering or a closely related field, and the ability to conduct a high-quality, externally-funded research program. The Department, one of nine in the College of Engineering and Natural Sciences, offers degree programs through the PhD, with a current enrollment of approximately 100 students. The Department of Chemical Engineering has a strong reputation in energy, materials, and the environment, offering excellent collaborative opportunities for the successful candidate. **Applicants should forward a curriculum vitae, a one-page statement of teaching interests and qualifications, a one-page summary of projected research activities, and the names, addresses and phone numbers**

of three references. Applications should be sent to Dr. Laura P. Ford, Search Committee Chair, Department of Chemical Engineering, University of Tulsa, 600 S. College Ave., Tulsa, OK 74104-3189. Screening of candidates will begin October 1, 2006 and will continue until the appointment is made. Under-represented minorities and women are especially encouraged to apply. The University of Tulsa is an Equal Employment Opportunity/Affirmative Action employer.

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### 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>

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