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POSITIONS AVAILABLE

CHEMICAL ENGINEER

Seeking chemical engineer with 7+ years industry experience, applying knowledge of free radical polymerization chemistry resulting in real-world product solutions. A broad, practical knowledge of reactive polymers including acrylates, urethanes, epoxies, and polyesters necessary. Familiarity with standard plastics molding processes and coating application methods helpful. **Please contact Questech, 92 Park St., Rutland, VT 05701, fax: (802) 773-1228, email: kcooke@questech.com**

PROCESS ENGINEER

We don't just build state of the art stainless equipment. We build skills, careers and strong communities. Employees drive our pace of growth through a strong inclination for action, and pride in what we deliver. To support business requirements and demands at our Corporate office located in Stratford, WI, we are accepting applications for an additional Process Engineer to support our movement towards pharmaceutical design-build projects and provide the manpower for the increase in engineering opportunities within this sector. This position will interact with project managers, mechanical designers, estimators, and sales staff to coordinate the timely completion of proposals, sales orders, production schedules and final drawings. This position also includes periodical travel allowing for interaction with customers to negotiate, troubleshoot, and make recommendations for process design and specifications. Strong background in FAT/SAT protocol desired. Ideal candidate would have at least a 4-year chemical engineering degree or equivalent with at least 3-5 years of Pharmaceutical/Bio-Tech process experience. **Contact A & B Process Systems, 201 S. Wisconsin Ave., Stratford, WI 54484, phone: 715-687-4332, fax: 715-687-3225, email: careers@abprocess.com**

CHEMICAL ENGINEER

Resp. for dvlpng & evaluating process/project alternatives for mfg co's proprietary chem., pharm. & biochem. products. Specific duties incl: (i) devising project dsgn basis & scope; (ii) determining eqpmnt specs; (iii) monitoring costs, schedules & scope compliance throughout project; (iv) assisting with preparation of cost estimates; (v) creating & maintaining engnrng drawings; (vi) carrying out process calculations & document control functions; & (vii) providing engnrng support for large capital projects. BS in chem. engnrng reqd. Must have working knowledge of chem. engnrng concepts, transport process, chem. reaction engnrng as well as cost estimates & scheduling procedures. High mobility reqd. 40 hrs/wk, OT as reqd, 8 am - 5 pm, \$58,386/yr. **Fax resume to Joe Benzenhoefer at 281-383-6610.**

SENIOR CHEMICAL ENGINEER

A well financed pre-IPO Massachusetts based company developing a solid oxide fuel cell to power small electronic devices is looking for an individual who will assume responsibilities for bringing a hydrogen reforming micro-reactor up to performance specifications. The engineer will perform laboratory tests, analyze the data, and implement design modifications. PhD with demonstrated required skills. Relevant experiences include: catalyst preparation and characterization, high temperature catalytic hydrogen reforming, reactor design, hands-on reactor testing, gas chromatography, mass spectrometry, and modeling skills. Good verbal and written communication skills are required. **Please respond to John Blaney at jblaney@blaneyinc.com, or telephone 978-371-2192.**

ACADEMIC OPENINGS

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 (VIIBRE), the Vanderbilt Institute for Chemical Biology (VICB), the Biomathematics Study Group, and the 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.

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 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.** We would appreciate receiving your application electronically (as a PDF file) 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>.

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.

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) 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 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.

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 ft² research and teaching facility. More information about the department can be found at 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.

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.**

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.** Screening: February 1, 2005. EEO/AA/ADA

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



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.*



Faculty Position

Applications are being accepted for a tenure-track faculty position in the Department of Chemical Engineering at Penn State (<http://fenske.che.psu.edu>). Although the Department is always looking for outstanding individuals from any area/field, a strong focus will be placed on applicants doing innovative research on the storage, production, and use of hydrogen as part of the national effort to develop a hydrogen-based fuel economy. Penn State is home to the Hydrogen Energy Center (<http://www.engr.psu.edu/h2E>), an internationally recognized program that facilitates research in the development of new technologies related to hydrogen energy and fuel cells. This position will be a unique opportunity for a creative individual interested in interdisciplinary research in this area. The successful applicant is expected to develop a research program leading to national and international recognition and to teach at the undergraduate and graduate levels. Candidates applying for this position must have a Ph.D. in Chemical Engineering or in a closely related field. Applications with curriculum vitae, including research and teaching interests, a statement of research plans, copies of selected publications, and names of three references should be sent to PROFESSOR ALI BORHAN, DEPARTMENT OF CHEMICAL ENGINEERING, THE PENNSYLVANIA STATE UNIVERSITY, 122 FENSKE LABORATORY, UNIVERSITY PARK, PA 16802-4400. Applications will be considered until the position is filled. Candidates from under-represented groups are strongly encouraged to apply.

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

PENN STATE Making Life Better

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/). 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 15, 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/), 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 Committee, Department of Chemical Engineering, Tennessee Technological University, P.O. Box 5013, Cookeville, TN 38505.** For complete position summary, see www.tntech.edu/jobs. AA/EEO Employer.

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.** Women and minority applicants are encouraged. OSU 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.

GOODYEAR ENDOWED PROFESSOR OF POLYMER ENGINEERING, THE UNIVERSITY OF AKRON

The Department of Polymer Engineering of The University of Akron has an opening for a Goodyear Endowed Professorship. Applicants are expected to have made internationally recognized scientific contributions to their chosen specialization areas related to the polymer engineering discipline and a proven record of externally funded research activities. Field of specialization is open. **Applicants for this position should send a resume (with the names of three references), a list of research publications, statement of research interest, and copies of selected papers (not more than five) to Professor C. D. Han, Search Committee Chairman, Department of Polymer Engineering, The University of Akron, Akron, OH 44325-0301.** Applications will be considered until the position is filled. The University of Akron is an Equal Opportunity Employer.

THE DEPARTMENT OF CHEMICAL ENGINEERING AT THE KATHOLIEKE UNIVERSITEIT LEUVEN (BELGIUM) invites applications for a tenured or tenure-track faculty position. The candidate should have a PhD in chemical engineering or in a closely related field and have expertise in the area of Polymer Processing. Research competence in this area should be substantiated by a sufficient number of high quality papers in international journals. The candidate should also have outstanding teaching qualities and will be expected to teach courses in his/her area of expertise as well as courses from the core curriculum of chemical engineering. After a transition period the candidate is expected to teach undergraduate courses in Dutch. Depending on his/her qualifications and experience the candidate will start as Assistant Professor, Associate or Full Professor. **Applications or inquiries can be directed to the Chairman, Chemical Engineering Department, K.U.Leuven, de Croylaan 46, 3001 Belgium or via e-mail: carlo.vandecasteele@cit.kuleuven.ac.be before January 10, 2005.** For further information about the K.U.Leuven and/or the Department please check the web site: www.kuleuven.ac.be

NSF ENGINEERING RESEARCH CENTER FOR ENVIRONMENTALLY BENEFICIAL CATALYSIS, UNIVERSITY OF KANSAS

The Department of Chemical and Petroleum Engineering at the University of Kansas (KU) is seeking an outstanding candidate at the full professor rank. This faculty position is among those KU has allocated to promote the generously funded, new Center for Environmentally Beneficial Catalysis (CEBC), a National Science Foundation Engineering Research Center. Applicants should preferably have an international reputation and contribute to CEBC research and education missions (www.ku.edu/~cebc). Specific areas of research interests include (but are not limited to): design of catalysts with nanoscale properties, biocatalysis, catalytic reaction engineering with advanced modeling/computational skills, and fluid phase equilibrium involving benign media. **A detailed position description and application procedures can be found at the CPE department (www.cpe.engr.ku.edu) website.** Review of applications begins January 15, 2005. The University of Kansas is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

Illinois Institute of Technology, Department of Chemical and Environmental Engineering (ChEE) and the National Center for Food Safety and Technology (NCFST) invite applications for a tenure-track Assistant Professor position with ChEE, available starting Fall 2005. ChEE seeks an individual with a PhD in chemical engineering or related areas. Applicants must demonstrate the ability to lead and attract funds for a high caliber research program. The candidate will be expected to conduct teaching and research activities in biological engineering and collaborate with NCFST on funded food research projects. **For application details, please visit www.chee.iit.edu/about/hiring.html.**

HARVARD UNIVERSITY, DIVISION OF ENGINEERING AND APPLIED SCIENCES

The Division of Engineering and Applied Sciences at Harvard University invites applications for a faculty position in Environmental Microbiology. The position is part of an initiative at Harvard in Environmental Sciences and Engineering. In addition, there are important linking opportunities with a University initiative in the Microbial Sciences and in interdisciplinary connections to the Department of Earth and Planetary Sciences. We intend to make this appointment at the Assistant or, in exceptional cases, at the Associate Professor level (tenureured). We are interested in candidates across broad areas of Environmental Microbiology, including: surface-/geo- microbiology & applications to environmental problems; kinetics and interactions of microbial communities in problems of environmental engineering; role of biofilms in environmental engineering processes; microbial processes related to climate. Candidates are sought who have expertise in molecular chemical and biological sciences of the environment with links to the physical environment and engineering. We particularly encourage applications from women and minorities. **An application should include a curriculum vitae, separate two-page statements of research and teaching interests, and up to three scientific papers. Three to five letters of recommendation should be requested and sent separately. Applications will be reviewed beginning January 31, 2005, although applications received after that date may also be considered. Send applications by mail or email (a single PDF file) to: Chair, Environmental Microbiology Search Committee, Division of Engineering and Applied Sciences, 29 Oxford Street, Pierce Hall, Room 126, Harvard University, Cambridge, MA 02138, environmental_microbiology@deas.harvard.edu.** Harvard University is an Affirmative Action/Equal Opportunity Employer.

THE DEPARTMENT OF CHEMICAL AND BIOLOGICAL ENGINEERING AT THE UNIVERSITY OF MISSOURI-ROLLA is seeking highly qualified candidates for an endowed chair funded through both the university and an endowment with funding available for research, staff and graduate student support. All candidates or nominees should have the education and experience required to be appointed at the Associate Professor or Professor level with a PhD in Chemical Engineering or closely related field. The candidate will be expected to have a national/international reputation as an eminent scholar within his/her discipline; a record of prominent leadership roles on such entities as editorial boards, advisory boards, and professional

associations; an outstanding publication record; and a record of external research funding. Although all research areas within bioengineering will be considered, preference will be given to research centered on biomolecular engineering. The department is currently establishing an interdisciplinary degree program in Bioengineering and the candidate will be expected to take a leadership role in this program. Review of applications will start on February 1, 2005 and continue until position is filled. For further information, visit our web site at <http://chemeng.umn.edu>. **Please send a complete resume, an outline of teaching and research plans, and names of three references to: Human Resource Services (hrsinfo@umn.edu) Reference Number: 00031429 University of Missouri-Rolla, 1202 North Bishop Avenue, Rolla, MO 65409-1050.** UMR is an Affirmative Action/Equal Opportunity Employer. Females, minorities and persons with disabilities are encouraged to apply.

THE CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA - CHEMICAL AND MATERIALS ENGINEERING DEPARTMENT invites applications and nominations for a tenure-track faculty position in Chemical Engineering. **For information, contact: Faculty Search Committee, Chemical and Materials Engineering Department, California State Polytechnic University, Pomona, 3801 West Temple Avenue, Pomona, CA, 91768, (909) 869-2626, FAX (909) 869-6920, by e-mail at slmason@csupomona.edu, or on the web at www.csupomona.edu/chemmat.** A review of completed applications will begin on February 7, 2005 and will continue until the position is filled. The University is an EO/AA employer and only accepts degrees from accredited educational institutions.

FACULTY POSITION, UNIVERSITY OF WASHINGTON, DEPARTMENT OF CHEMICAL ENGINEERING

The Department of Chemical Engineering at the University of Washington invites applications for a tenure-track faculty position to begin September 16, 2005. The Department is seeking individuals at the Assistant Professor level, although an appointment may be made at the ranks of Associate Professor or Professor if circumstances and qualifications warrant. We are a faculty of 15 with 70 graduate students and 125 undergraduates (juniors and seniors only). Research strengths include, nanotechnology, photonics, biotechnology, organic electronics, electrochemical engineering, fuel cells, computational methods, colloids, and interfacial phenomena. Additional information about the Department can be found at <http://depts.washington.edu/chemeng/>. Applications from bio-related areas of chemical engineering are encouraged, although all areas of chemical engineering will be considered. Candidates must demonstrate outstanding potential for high impact research as judged, in part, by their publication record. The Department, College of Engineering, and University of Washington are committed to outstanding teaching. Candidates will be expected to provide innovative and quality teaching that integrates research with instruction at both the undergraduate and graduate levels. A doctoral degree is required. Candidates in the final stages of a doctoral degree program may be appointed on an acting basis. **Applicants should submit a detailed curriculum vitae, a list of publications, a statement of research and teaching interests, and the name, address, and phone number of at least three references to: Search Committee Chair, Department of Chemical Engineering, University of Washington, Box 351750, Seattle, WA 98195-1750.** Review of applications will begin immediately, and the position will remain open until it is filled. The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University of Washington is an Equal Opportunity, Affirmative Action Employer.

RICHARDSON CHAIR IN WOOD SCIENCE AND FOREST PRODUCTS DEPARTMENT OF WOOD SCIENCE AND ENGINEERING, OREGON STATE UNIVERSITY. 12-month, full-time tenured appointment as Professor. Chair appointment is for five-year term with reappointment possible. Applicants are sought with disciplinary and experience credentials in any area of science, business, or engineering closely allied with wood science or technology. The Chair will be expected to build and lead a research and graduate education program that will strategically add to or complement current Department programs, and to contribute to the instruction and outreach missions. Service activities to Dept., College, University and profession are also expected. Applicants

must: have a PhD, or equivalent, in wood science, forest products, or an allied field of science, engineering or business with significant experience related to forest products or wood science; be recognized as a leading scholar in their discipline nationally and internationally; have experience and scholarly credentials appropriate to Professor rank; demonstrated ability to build, manage and financially support successful programs; have strong interpersonal and communications skills. Salary will be commensurate with qualifications and experience. Applications will be reviewed beginning January 31, 2005, and accepted until position is filled. **To apply, submit a resume and request that three letters of recommendation be sent to Dr. Michael Milota, Chair of Search Committee, Department of Wood Science & Engineering, 119 Richardson Hall, Oregon State University, Corvallis OR 97331-5751. Electronic submission preferred. For information call (541)-737-4210 or e-mail Mike.Milota@oregonstate.edu.** Full position announcement may be seen at <http://woodscience.oregonstate.edu>. OSU is an AA/EEO employer and has a policy of being responsive to dual career needs.

THE DEPARTMENT OF CHEMICAL & ENVIRONMENTAL ENGINEERING AT THE UNIVERSITY OF CALIFORNIA, RIVERSIDE invites applications for tenure-track or tenured faculty positions. Although all areas of research will be considered, we are particularly interested in research areas of (1) Biologically inspired/assisted materials synthesis and (2) Emerging energy systems such as Fuel Cell/Photovoltaic Cell. Applicants should have a PhD in chemical or environmental engineering or a related field. Candidates for a junior position should demonstrate evidence of outstanding potential in research and teaching. Candidates for a senior position must have established a significant record of achievement in research and teaching. Salary is commensurate with education and experience. **Senior applicants should send a letter of professional intent addressing teaching and research objectives, a curriculum vitae, and the names, addresses, and telephone numbers of at least five references. Junior applicants should send a letter of professional intent addressing teaching and research objectives, a curriculum vitae, and three reference letters or the names, addresses, and telephone numbers of three references to: Chemical & Environmental Engineering Search, College of Engineering, University of California, Riverside, CA 92521. To receive full consideration, applications must be received by January 31, 2005.** For further information, please visit our web at <http://www.engr.ucr.edu/chemical>. The University of California, Riverside is an Equal Opportunity, Affirmative Action Employer.

Environmental Fluid Mechanics Faculty Position

CORNELL UNIVERSITY. The School of Civil and Environmental Engineering invites applications for a tenure-track position in Environmental Fluid Mechanics, starting in Fall 2005. All academic ranks will be considered, with preference given to the Assistant Professor level. Applicants in all areas of environmental fluid mechanics are encouraged to apply. Areas of particular interest include:

- Transport and fate of chemical and biological constituents in multi-scale environmental flows
- Turbulent mixing and transport in stratified environments
- Multiphase flow (e.g., sediment transport, gas transport, bubbly flows)
- Solution of multi-scale nonlinear systems
- Advanced statistical and modeling methods

The selected candidate will augment the current strengths in the environmental fluid mechanics group. Candidates with core expertise in carrying out field observations and/or highly efficient solutions of the Navier-Stokes equations are particularly encouraged to apply. Candidates are expected to teach both undergraduate fluid mechanics courses and graduate level courses related to their area of research. The candidate is expected to develop and direct funded research and participate in multi-investigator, interdisciplinary research efforts.

Candidates must have a Doctoral degree in civil engineering or a closely related physical sciences or engineering discipline. Interested candidates should submit a letter of application; a detailed resume; a statement of professional goals; a graduate transcript; copies of no more than two publications or manuscripts; and the names, addresses, e-mail addresses, and phone and fax numbers of at least three references to:

Environmental Fluid Mechanics Search Committee Chair

School of Civil and Environmental Engineering

220 Hollister Hall, Cornell University, Ithaca, NY 14853-3501



Inquiries by e-mail may be addressed to CEE_search@cornell.edu, but formal applications must be submitted by regular mail. Review of applications will begin on January 10, 2005; however, we will continue to accept applications until the position is filled.

Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator

www.cornell.edu/jobs

<http://chronicle.com/jobs/profiles/2377.htm>

ASSISTANT PROFESSOR (#005-1), CHEMICAL ENGINEERING AND APPLIED CHEMISTRY, UNIVERSITY OF TORONTO

The Department of Chemical Engineering and Applied Chemistry invites applications for a position in the tenure-stream at the rank of Assistant Professor, effective July 1, 2005. The successful candidate will show leadership and innovation in research. Subjects of strategic interest to the Department are: -Bioengineering (biosystems, bio-processing for manufacture of chemicals, food, pharmaceuticals, nutraceuticals, and fuels and biotreatment of soil, water or air) -Mathematical modeling of chemical or biochemical systems with analytical, numerical and/or informatics expertise. Applicants are expected to have a PhD or equivalent, demonstrated excellence in research and excellent teaching skills. The successful candidate will be expected to initiate and lead an independent research program of international caliber. The successful candidate will also be expected to teach at the undergraduate and post-graduate level. Collaborative and interdisciplinary research and collegial interaction will be important elements in success. Salary will be commensurate with qualifications and experience. **Applicants should send a curriculum vitae and a statement concerning research and teaching interests (three to five pages), and should arrange to have sent directly three letters of reference to: Douglas Reeve, Frank Dottori Professor of Pulp and Paper Engineering, Professor and Chair, Department of Chemical Engineering and Applied Chemistry, University of Toronto, 200 College St., Toronto, Ontario, Canada M5S 3E5. The search will continue until the position is filled. To ensure consideration, interested individuals should deliver their application before February 28, 2005. Please quote #005-1 on the application. Inquiries: chair@chem-eng.utoronto.ca; Information: www.chem-eng.utoronto.ca.** All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

ASSISTANT PROFESSOR (#005-2), CHEMICAL ENGINEERING AND APPLIED CHEMISTRY, UNIVERSITY OF TORONTO

The Department of Chemical Engineering and Applied Chemistry invites applications for a position in the tenure-stream at the rank of Assistant Professor, effective July 1, 2005. The successful candidate will show excellent leadership and innovation in research. Subjects of strategic interest to the Department are: -Biotechnology in forest products manufacture -Energy from forest biomass. An international forest products company known for its commitment to research and innovation, is a partner in establishing this position and in support of the anticipated research program. Applicants will have an excellent opportunity to participate in University of Toronto Pulp & Paper Centre activities, university-industry cooperative research, matching funding programs and technology transfer. Business experience and entrepreneurship are welcome qualities in candidates. Applicants are expected to have a PhD or equivalent, demonstrated excellence in research and excellent teaching skills. The successful candidate will be expected to initiate and lead an independent research program of international caliber. The successful candidate will also be expected to teach at the undergraduate and post-graduate level. Collaborative and interdisciplinary research and collegial interaction will be important elements in success. Salary will be commensurate with qualifications and experience. **Applicants should send a curriculum vitae and a statement concerning research and teaching interests (three to five pages), and should arrange to have sent directly three letters of reference to: Professor Douglas Reeve, Frank Dottori Professor of Pulp and Paper Engineering, Chair, Department of Chemical Engineering and Applied Chemistry, University of Toronto, 200 College St., Toronto, Ontario, Canada M5S 3E5. The search will continue until the position is filled. To ensure consideration, interested individuals should deliver their application before February 28, 2005. Please quote #005-2 on the application. Inquiries: chair@chem-eng.utoronto.ca. Information: www.chem-eng.utoronto.ca.** All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

THE SCHOOL OF CHEMICAL ENGINEERING, PURDUE UNIVERSITY, seeks outstanding individuals at any rank with a PhD degree and a strong background relevant to chemical or biological engineering. The candidates for this tenure-track position should have a distinguished academic record, exceptional potential for world-class research, and a commitment to both undergraduate and graduate instruction. For senior applicants, an excellent reputation in the field of specialty is required. The School is in an unprecedented growth, with eight new faculty additions since Fall 2003, and a new building completed in October 2004 that doubles the current space. **For consideration, please send curriculum vitae, statement of teaching interests, statement of research interests, and the names and addresses of three references to: Dr. Arvind Varma, R. Games Slayter Distinguished Professor and Head, School of Chemical Engineering, Forney Hall 103, 480 Stadium Mall Drive, West Lafayette, IN 47907-2100.** Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer.

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