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Positions Available

DIRECTOR OF ENGINEERING

Responsible for developing and implementing process & procedures of acid etch line and treatment of acid waste. Develop, document and implement safety protocols as per OSHA, local, state and federal requirements. Work on projects to enhance the quality of the company within the service sector & develop new technology within the polysilicon world. MSc in chemical engineering req. Send ad w/resume to: **SRS, Inc. 322 N. Aviator Street, Camarillo, CA 93010**

PhD CHEMICAL ENGINEER

We seek an individual with a PhD and 5+ years experience in Chemical or Mechanical Engineering. **www.denenergysolutions.com** for more details on the company, position/requirements, and to apply.

MANAGER, POLYMER/MATERIALS PROCESS DEVELOPMENT

This position will manage a group of mostly Chemical Engineers responsible for producing experimental quantities of new polymers and related materials, and for the development and optimization of processes needed for their commercial production. The position also involves the development of new types of processes and related equipment, including polymerization reactors and systems. The group to be managed is part of a Corporate Research Laboratory involved in the development of new materials for a large multinational corporation. An MS or PhD in Chemical Engineering with a strong background in and experience with process development and scale up (good balance of basic engineering analysis with practical process experience) is required. The person will have the ability to work with or lead multidisciplinary project teams. Twelve or more years of related experience, including demonstrated leadership and organizational ability are required. Experience with polymerization and polymer processing is preferred. Applicants must be authorized to work in the United States. A drug test and post-offer physical are required. For more information about our organization please visit our website at http://www.bfresearch.com. Responses will be made only to interviewees (No Third Parties or Phone Calls). For confidential consideration, direct reply to: **Bridgestone/Firestone Research, LLC, Attn: Human Resources - BFR, 1655 South Main Street, Akron, OH, 44301, hrbfr@bfusa.com**

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ACADEMIC OPENINGS

THE DEPARTMENT OF CHEMICAL ENGINEERING AT THE UNIVERSITY OF ARKANSAS

seeks a dynamic individual to fill a tenure-track opening at the Assistant or Associate Professor level to strengthen and broaden the department's commitment to teaching and research. At present, there are 12 full-time faculty in the department with active research programs in biotechnology, environmental technology, membrane separations, mixing, hazards assessment and modeling, and electronics materials. Applicants with other expertise, such as biomedical engineering will be considered, but priority will be given to applicants whose expertise compliments existing research programs. Applicants must have a PhD in Chemical Engineering or a related field at the time of appointment and hold at least one chemical engineering degree. Some postdoctoral or industrial experience is preferred but not required. The successful candidate will be expected to develop an internationally recognized, funded research program, teach both core undergraduate and graduate level chemical engineering courses, and be committed to service at all levels.
For further information, visit our web site at http://ua-cheme.engr.uark.edu/. Applicants should send curriculum vitae, description of proposed research, an outline of teaching plans and the names of three references to: **Dr. Greg Thoma, Department of Chemical Engineering, 3202 Bell Engineering Center, Fayetteville, AR 72701.** The University of Arkansas is an AA/EEO employer. Females, minorities and persons with disabilities are encouraged to apply

CHEMICAL ENGINEERING, UNIVERSITY OF CALIFORNIA, LOS ANGELES

A number of positions, temporary and permanent, are available for engineers, postdoctoral scholars, lecturers, and visiting faculty/researchers in chemical engineering for our teaching and research programs. PhD or equivalent experience required. Resumes and inquiries should be sent to: **A. De Vera, Research & Teaching Positions, UCLA Chemical Engineering Department, Box 951592, Los Angeles, CA 90095-1592.** UCLA is an equal opportunity/affirmative action employer.

SOYBEAN PROFESSORSHIP IN BIOENGINEERING

The Department of Chemical and Biological Engineering at the University of Missouri-Rolla seeks applicants for a full-time tenured position at the Endowed Professorship level beginning in the fall of 2004. A doctorate in chemical engineering or related field is required. The applicant must have a research record in Chemical Engineering. The successful applicant will be expected to teach various undergraduate courses as well as graduate courses in his/her area of research and have developed a strong, externally funded research program in areas that can be related to the utilization or processing of soybeans and other agricultural products. Applications will be accepted until the position is filled but interviews will begin in May, 2004. For further information, visit our web site at http:///web.umr.edu/~chemengr/. Please send a complete resume, an outline of teaching and research plans, and names of three references to: **Human Resource Services (hrsinfo@umr.edu), Reference Number: 31429, 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 UNIVERSITY OF MICHIGAN, DEPARTMENT OF CHEMICAL ENGINEERING

seeks faculty candidates with distinguished academic records, or exceptional potential, and a commitment to both undergraduate and graduate education. The most important criteria for selection are the quality of the candidate's research, communication skills, and the potential of the candidate to establish an internationally renowned, independent research group. Appointments at all professorial levels will be considered. The department is

seeking to fill a position in bioengineering and life sciences. Please send nominations and applications with supporting materials to **Professor Ronald Larson, Chairman, Department of Chemical Engineering, University of Michigan, Ann Arbor, MI 48109-2136.** Minorities and women are encouraged to apply. The University of Michigan is a non-discriminatory, affirmative action employer.

UNIVERSITY OF CALIFORNIA, IRVINE
MECHANICAL AND AEROSPACE ENGINEERING

The Department of Mechanical and Aerospace Engineering at UC Irvine (UCI) is seeking qualified candidates for a tenure-track faculty position in Energy Systems at the Assistant Professor level. Particular experience is sought in emerging energy systems and energy concepts for the future, with expertise in the fundamentals and application of heat and mass transport and chemical phenomena. The candidate is expected to conduct fundamental research related to the synthesis, performance, and optimization of energy systems in isolation and connected in scales ranging from subkilowatt to hundreds of megawatts. The successful applicant will have the opportunity to lead research and funding development within established centers (e.g., the Advanced Power and Energy Program, the National Fuel Cell Research Center, the Personal Power Systems Research Center) and collaborate with faculty and research staff within the campus and the Henry Samueli School of Engineering (HSSoE). The appointed candidate is expected to offer undergraduate and graduate courses in energy systems and transport processes.

Applicants must have a PhD in the field of mechanical engineering, chemical engineering or a closely related field including specific research experience in thermodynamics, fluids, heat transfer and modeling of advanced power and energy components and systems. The energy programs in the HSSoE are at the forefront of emerging programs throughout the country (e.g., www.nfcrc.uci.edu, www.apep.uci.edu, www.pps.eng.uci.edu) and the recognition of UCI as one of the twelve top public universities in the country reflects the excellence of this relatively young campus.

Applicants should send (1) a detailed and complete curriculum vita; (2) the names of five references and their contact information; (3) copies of three recent research publications; (4) a statement of career vision and goals for scholarly research in the next five years; and (5) a statement of teaching interests in mechanical and aerospace engineering by May 1, 2004 to:

Professor G. Scott Samuelsen, Chair, Energy Systems Search Committee, Department of Mechanical and Aerospace Engineering, 4200 Engineering Gateway, University of California, Irvine, Irvine, CA 92697-3975.

The University of California, Irvine is an equal opportunity employer committed to excellence through diversity, has an active Career Partners Program and a National Science Foundation ADVANCE gender equity program.

ASSISTANT PROFESSOR, CHEMICAL AND MATERIALS ENGINEERING, UNIVERSITY OF ALBERTA

Applications are invited for a tenure-track faculty position at the Assistant Professor level. The successful candidate is expected to establish productive research programs in the general area of carbon-based energy resources with emphasis on reaction engineering and catalysis, separation and/or environmental topics. Outstanding candidates with expertise in other areas will also be considered, as long as their skills complement our current strengths in Utilization of Fossil Energy Resources and Interfacial Phenomena. Candidates must have the ability to conduct both independent and cooperative research, develop viable and productive research programs, and to teach both undergraduate and graduate courses. As one component of their research effort, the successful candidate is expected to collaborate in research programs within the scope of the NSERC-EPCOR-AERI Industrial Research Chair in Advanced Coal Cleaning and Combustion Technology.

The Department of Chemical & Materials Engineering at the University of Alberta is one of the premier research-intensive departments of its kind in North America. Our faculty complement is 38, with approximately 150 graduate students and 70 other researchers. The current research strengths within the department include surface and colloidal science, computational fluid dynamics, reaction engineering and catalysis, process control and non-hydrogen fuel cells. For information about our Department, please consult our website at: http://www.ualberta.ca/CMENG.

Candidates must either hold a PhD in Chemical Engineering, or related field, or expect to receive one shortly after taking up their appointment. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. A curriculum vitae, the names of three confidential references, and a statement of current research interests and plans for future research should be sent to: **Dr. J. F. Forbes, Department of Chemical and Materials Engineering, University of Alberta, Edmonton, Alberta T6G 2G6**

The position is currently open and applications will be considered as they are received and until the position is filled. The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

COMPUTATIONAL CHEMISTRY

Extraordinarily gifted computational chemists and other computational scientists are sought to join a rapidly growing New York-based research group that is pursuing an ambitious, long-term strategy aimed at fundamentally transforming the process of drug discovery.

Candidates should have world-class credentials in computational chemistry, biology, or physics, or in a relevant area of computer science or applied mathematics, and must have unusually strong research and software engineering skills. Relevant areas of experience might include the computation of protein-ligand binding free energies, molecular dynamics and/or Monte Carlo simulations of biomolecular systems, application of statistical mechanics to biomolecular systems, free energy perturbation methods, and methods for speeding up evaluation of electrostatic energies — but specific knowledge of any of these areas is less critical than exceptional intellectual ability and a demonstrated track record of achievement. Current areas of interest within the group include the prediction of protein structures and binding free energies, structure- and ligand-based drug design, de novo ligand design algorithms, and the development of special-purpose hardware to accelerate computational chemistry simulations.

This research effort is being financed by the D. E. Shaw group, an investment and technology development firm with approximately $5 billion in aggregate capital. The project was initiated by the firm's founder, Dr. David E. Shaw, and operates under his direct scientific leadership.

We are eager to add both senior- and junior-level members to our world-class team, and are prepared to offer above-market compensation to candidates of truly exceptional ability. **Please send your CV (including list of publications, thesis topic, and advisor, if applicable)** to **compchem@deshaw.com**.

D. E. Shaw Research and Development, L.L.C. does not discriminate in employment matters on the basis of race, color, religion, gender, national origin, age, military service eligibility, veteran status, sexual orientation, marital status, disability, or any other protected class.