

Positions Available

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.

PRODUCT DEVELOPMENT ENGINEER

Seeking a project manager/development leader for new products and improving existing products for international cutting and grinding fluids manufacturer based in the midwest. Requires Bachelors degree in Chemical Engineering or related field with 3-5 years experience utilizing scientific methods (DOE) and high initiative.

Email resume to: pricciar@masterchemical.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 post-doctoral 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.

ENDOWED CHAIR: TEXAS A&M UNIVERSITY-KINGSVILLE

The Frank H. Dotterweich College of Engineering at Texas A&M University-Kingsville seeks an outstanding senior faculty member to become the holder of the Frank H. Dotterweich Endowed Chair. The department is looking for

a highly capable individual to help initiate a Ph.D. program in chemical engineering. Minimal graduate teaching is expected in addition to research supervision. Doctorate is required from a regionally accredited institution or university. The suitable candidate should have an established record in research, publication, and grant procurement from both public and private sectors. The department is interested in contemporary areas of research. However, if it is desired to work in more traditional areas, the campus is close to many petroleum refineries, gas plants, and organic and inorganic chemical plants. The position can be temporary for several years or can be a tenured position. Currently, the department has six full-time faculty members and one adjunct. Enrollment includes about 100 undergraduate and about 60 Masters level graduates equally split between chemical and natural gas engineering. The campus is located in Kingsville, South Texas, about 30 to 40 minutes drive from Corpus Christi, a mid-size resort city, and about 2 hours from South Padre Island, the Rio Grande Valley and Mexico.

Applications and any relevant questions should be addressed to:

Dr. William A. Heenan, P.E., Professor and Dean, Frank H. Dotterweich College of Engineering, Texas A&M University-Kingsville, 700 University Blvd., MSC 188, Kingsville, Texas 78363-8202. Phone: (361) 593-2001; Fax: (361) 593-2106; E-mail: w-heenan@tamuk.edu

Finalists must have original letters of recommendation and official transcripts from each degree-granting institution mailed directly to Texas A&M University-Kingsville, Office of the Provost, 700 University Boulevard, MSC 102, Kingsville, Texas 78363-8202 prior to an on-campus interview.

Texas A&M University is committed to excellence; the University invites applications from all qualified applicants. EEO/AA/ADA

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