positions available

process safety specialist/engineer

Provide Process Safety Support within the Americas Region; including developing procedures and guidelines, providing training, leading audits, and providing plant consulting support in process design review, operating procedures, mechanical integrity, facility siting, and process hazards analysis. Minimum 15 years experience required. Contact: Edward Gunderson, Huntsman International LLC, 10003 Woodloch Forest Dr. The Woodland, TX 77380, phone: 409-723-3351.

IRC north america, lp

Senior and principal safety and risk consultants

IRC is an international risk consultancy firm based in Houston, looking for Senior and Principal Safety and Risk Consultants. Qualifications: Ideally, candidates will be Chemical (Process) Engineers with experience in one or more of the following industries: energy, petrochemical and mining. A Master’s degree will count towards experience, potentially resulting in earlier promotion. Experience: The Senior position requires at least five years relevant industry experience with a minimum of four years conducting risk and safety analyses and preparing reports. The Principal position requires at least seven years risk and safety consulting experience, including preparing top-quality reports for clients. Knowledge of the Safety Case regime, particularly offshore oil and gas/energy and a wide and/or a deep understanding of risk assessment would be beneficial. Package and Benefits: We provide a competitive salary and profit share scheme, interesting work, unique environment, recognition for great performance and excellent career opportunities. Benefits include four weeks vacation, employee’s 100% health coverage (zero deductible), life insurance, short and long term disability, profit sharing and 401(k). To be considered for this position, email your resume to talent@irc-americas.com - with reference to job # IRCNA0422007.

sr. process engineer

Midwest/east coast

Utilize scientific methods to create business opportunities that support Fortune 1000 Food Companies’ strategic market objectives. Provide technical and business risk assessment/perspectives related to new product development. Design and execute experiments, and analyze and interpret data to make sound technical recommendations on product and process issues. Initiate innovation and development of new technology to maintain and grow the business. Bachelors Degree in Chemical Engineering or related field. 4+ Years Experience (Research and/or Industry). Translate business objectives into strategic and tactical project goals and objectives. Make significant technical scientific advances utilizing internal and/or external resources. Incorporate business needs into technical decisions. Laboratory, pilot plant and manufacturing scale environments. Strong communication skills (oral and written). Travel: Up to 25%. Arnold Zimmerman - Hollander Horizon International, 1617 S. Pacific Coast Highway, Suite C, Redondo Beach, CA 90277, Wk: 310-540-3231, FAX: 310-540-4230, e-mail: azimmerman@hhisearch.com

sr. research engineer - cmfr

The West Virginia University Research Corporation (WVURC) invites applications for a Senior Research Engineer position in the National Research Center for Coal and Energy (NRCEE) to serve as technical liaison to the US Department of Energy, National Energy Technology Laboratory (NETL) for collaborative research projects under the newly established Collaboratory for Multiphase Flow Research (CMFR). The Engineer will assist in the formation of the CMFR, advise the leadership and administrative oversight of CMFR operations, and contribute technically to collaborative projects funded in association with the CMFR. The Senior Research Engineer will also prepare, deliver and provide papers, presentations, training, advice and mentoring for professional colleagues at NETL, West Virginia University, Carnegie Mellon University and the University of Pittsburgh. The Senior Research Engineer will conduct research in computational fluid dynamics (CFD) in collaboration with researchers at these institutions, as well as others served by the CMFR. The incumbent, as part of the CMFR program, will be involved in the development of a suite of validated models and experimental capabilities, and in the application of the models to NETL sponsored technologies. Responsibilities require advanced knowledge of processes and procedures to work on collabor-
processes and procedures to support duties of the position and demonstrated knowledge of steady-state process simulation software. Supervision of others is not required; however, project lead responsibilities, sharing of knowledge and team participation is expected in the role. The successful candidate will possess a Ph.D. in Chemical Engineering, Mechanical Engineering, or a closely related field, and 3 to 5 years of experience in the application of process modeling and simulation to fossil energy applications; or, an equivalent combination of education and experience to fulfill position requirements. A working knowledge of Aspen Plus® or a similar process simulator is required. Experience with FLUENT® or a similar CFD package is desirable. Competitive salary and benefits package offered. Review of applications is ongoing and will continue until the position is filled. The WVU/RC is an EEO employer. In order to receive consideration for this position, applicants should send a resume, cover letter and contact information for three professional references to: WVU/RC Department of Human Resources, PO Box 6216, Morgantown, WV 26506; or, by email to WVU/RC@wvu.edu. Applications should reference the Power Systems Modeling Sr. Research Engineer position.

RESEARCH ASSOCIATE

A research associate position is available immediately. An earned doctorate degree in chemical engineering in the area of catalytic reaction engineering is required. Candidates should have experience in experimental research methods in catalysis such as TPD/TPR, XRD, SEM and other basic catalyst characterization techniques. Duties include synthesis and characterization of catalysts; modification and operation of a reactor setup for catalyst testing, including a GC/MS system; and the evaluation of the experimental data. If interested, please submit resume and the names of three references to: Dr. Ates Akyurtlu, Chemical Engineering Department, Hampton University, Hampton, VA 23688; e-mail: ates.akyurtlu@hamptonu.edu.

SR. RESEARCH ENGINEER - POWER SYSTEMS MODELING

The West Virginia University (WVU) Research Corporation seeks applications for a Senior Research Engineer position in the National Research Center for Coal and Energy (NRCC) to serve as technical liaison to the US Department of Energy, National Energy Technology Laboratory (NETL) for collaborative research projects in modeling power systems. The incumbent will perform studies involving systems analysis of advanced fossil energy power generation and co-production facilities to better understand and optimize overall plant performance. Design goals include reducing time, cost and technical risk in developing high-efficiency, zero-emission power plants. The incumbent will advise NRCC and NETL on process modeling, simulation, analysis, and cost estimates for a broad range of advanced coal-fired, gasification-based plants using the Aspen Plus® steady-state process simulator. The incumbent will focus on researching, analyzing, designing and testing data or systems to develop and evaluate processes and modeling methods, assuring compliance with standards, and providing guidance consistent with theories and principles of mathematics, engineering and computer sciences. The research engineer will independently use professional concepts and organizational policies to solve a wide range of moderate to complex problems in imaginative and practical ways. Responsibilities require advanced knowledge of processes and procedures to support duties of the position and demonstrated knowledge of steady-state process simulation software. Supervision of others is not required; however, project lead responsibilities, sharing of knowledge and team participation is expected in the role. The successful candidate will possess a Ph.D. in Chemical Engineering, Mechanical Engineering, or a closely related field, and 3 to 5 years of experience in the application of process modeling and simulation to fossil energy applications; or, an equivalent combination of education and experience to fulfill position requirements. A working knowledge of Aspen Plus® or a similar process simulator is required. Familiarity with FLUENT® or a similar CFD package is desirable. Competitive salary and benefits package offered. Review of applications is ongoing and will continue until the position is filled. The WVU/RC is an EEO employer. In order to receive consideration for this position, applicants should send a resume, cover letter and three professional references to: WVU/RC Department of Human Resources, PO Box 6221, Morgantown, WV 26506; or, by email to WVU/RC@wvu.edu. Applications should reference the Power Systems Modeling Sr. Research Engineer position.

ACADEMIC OPENINGS

SYRACUSE UNIVERSITY, BIOMEDICAL AND CHEMICAL ENGINEERING

The L. C. Smith College of Engineering and Computer Science at Syracuse University invites applications for two tenure-track faculty positions in the Department of Biomedical and Chemical Engineering. Syracuse University is focusing strategically on the area of Biomaterials with cluster hiring across multiple colleges and departments, including these two junior faculty positions. Applicants should have a Ph.D. and academic and/or industrial experience indicating promise of an exceptional future in engineering research in the biomaterials area, including tissue engineering, controlled drug release, smart medical devices, biodegradable polymers, biointerfaces, computational or imaging techniques, and/or biocompatibility. In addition to collaboration with faculty in other schools and colleges, the Institute for Sensory Research and the Center of Excellence in Environmental and Energy Systems within Syracuse University, collaborative research opportunities extend to the adjacent campuses of the SUNY Upstate Medical University and the SUNY College of Environmental Science and Forestry. The Department offers B.S. (ABET-accredited), M.S. and Ph.D. degrees in both chemical engineering and bioengineering and the successful applicant will be able to teach in these programs. The greater Syracuse region is growing industry-academic opportunities in the biotechnology realm as evidenced by planned construction of a life sciences building at Syracuse University (http://lifesciences.syr.edu/main.html), the new Syracuse Biotechnology Research Center (see http://www.upstate.edu/biocenter), and the recent creation of MedTech (see http://medtech.org/) a regional organization to foster commercialization of biomedical technologies. Applicants should submit a curriculum vitae, and statements of research and teaching interests to: Dr. Jeremy Gilbert, Search Chair, Department of Biomedical & Chemical Engineering, 121 Link Hall, Syracuse University, Syracuse, NY 13244-1240. At least three letters of reference should be sent to the same address. Application materials should be submitted electronically to www.sujobopps.com. Review of applications will begin July 1, 2007 and will continue until the positions are filled. Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse work force.
THE DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING AT TULANE UNIVERSITY invites applications for tenure-track/tenured faculty positions. Tulane's chemical engineering department is the third oldest in the country, with a vibrant research program in the signature areas of nanotechnology, biotechnology and advanced materials. There are tremendous collaborative opportunities for interdisciplinary research. Candidates should have a demonstrated excellence in research, as well as a chemical engineering background and a strong commitment to excel in both undergraduate and graduate chemical & biomolecular engineering education. **Applications will be accepted and reviewed until the position is filled.** Tulane is an affirmative action, equal opportunity employer.

**ENDOWED CHAIR POSITION, TULANE UNIVERSITY, DEPARTMENT OF CHEMICAL & BIOMOLECULAR ENGINEERING.**

We invite applications and nominations for The Herman and George R. Brown Chair in Engineering. We seek an outstanding individual with an internationally-distinguished record of research and publication, proven excellence in both undergraduate and graduate chemical & biomolecular engineering education, as well as 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 references to: Chair, Faculty Search Committee, Department of Chemical and Biomolecular Engineering, Tulane University, New Orleans, LA 70118. Applications will be reviewed on an ongoing basis until the positions are filled.**

**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. Preference will be given to candidates who have a biological research focus. Applicants must have a Ph.D. degree in Chemical Engineering or a closely related field. The ideal candidate will have at least one degree 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 Bionanotechnology; 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. Please apply online at http://jobs.texastech.edu, using 62249 as the position number. 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, 2007; and applications will be accepted until the position is filled. The position may be filled as early as January 1, 2008. 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.