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CHEMICAL/ENVIRONMENTAL ENGINEER ILLINOIS STATE GEOLOGICAL SURVEY PRAIRIE RESEARCH INSTITUTE

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

We are seeking an individual to develop externally funded programs and lead/manage original research and technology development addressing critical energy and environmental issues. Requirements include: Ph.D. in chemical engineering, environmental engineering, or related fields. At least three years of industry, academic, or government research and development (R&D) experience post completion of the Ph.D. in areas such as, but not limited to, advanced energy technologies, materials development, systems for energy conversion/utilization, and pollutant control applications. Demonstrated broad knowledge and experience in conducting research in chemical or environmental engineering related to energy and environmental systems. Applications must be received by February 27, 2015. **To apply, please visit <https://jobs.illinois.edu/academic-job-board> to complete an online profile and to upload a 1) cover letter, 2) résumé/CV, 3) the names and contact information (including e-mail addresses) of three professional references.** All requested information must be submitted for your application to be considered. Incomplete information will not be reviewed. For further information please contact Lori Walston-Vonderharr, Human Resources, Illinois State Geological Survey, at lwalston@illinois.edu or 217-244-2401. The University of Illinois is an EEO Employer/Vet/Disabled <http://inclusiveillinois.illinois.edu/>.

CCPS SENIOR PROCESS SAFETY SPECIALIST AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

This position can be based in the AIChE New York Global Headquarters or Houston Office. The American Institute of Chemical Engineers is seeking a Senior Process Safety Specialist for our Center for Chemical Process Safety (CCPS). The successful incumbent will act as the project manager for key CCPS projects related to process safety publications and training, and other short and long term projects as assigned. For projects where vendors are used, the

incumbent will oversee the selection of the vendor and manage the vendor. The incumbent will be a subject matter expert for CCPS and SACHÉ training including e-learning and face-to-face courses for a wide range of customers. The incumbent will also develop new educational materials and customize courses to meet customer requirements. Coordinate implementation and completion of assigned projects on budget and on schedule. Lead professional develop training course. Prepare and update relevant project budgets. Maintain relevant content on the public and secure member websites and develop new content. BS in chemical engineering or related discipline, with familiarity with process safety required. 15-20 years of experience in industry (or equivalent) desirable. Ability to travel approximately 45 - 50% of the time is required, including international travel. Good understanding of AIChE / CCPS and the workings of its volunteer structure, or prior experience working within a similar environment. Sensitive to multi-cultures highly desired. Foreign language skills a plus, especially Spanish, Chinese, and Portuguese. Seasoned trainer and/or facilitator in the process safety arena a plus. **Interested candidates may e-mail their cover letter and resume to recruitment@aiiche.org. Please note the title of the position in the subject line of the e-mail.** The American Institute of Chemical Engineers is an Equal Opportunity Employer.

ACADEMIC OPENINGS

THE DEPARTMENT OF CHEMICAL AND BIOMEDICAL ENGINEERING AT THE FLORIDA A&M UNIVERSITY - FLORIDA STATE UNIVERSITY COLLEGE OF ENGINEERING

is seeking to hire a non-tenure track, full-time faculty member. The main responsibilities for this position are those associated with teaching our Undergraduate Laboratory Courses. Candidates would also be expected to assist in teaching other courses in the core curriculum. Suitable applicants must have a minimum of a Master's Degree, including at least one degree in Chemical Engineering. Industrial experience is highly desirable. **Interested candidates should apply using the website www.jobs.fsu.edu, position number 38102. Be sure to include a resume and complete contact information for 3 professional references.**

RESEARCH/ TEACHING ASSOCIATE CHEMICAL ENGINEERING DEPARTMENT THE PETROLEUM INSTITUTE ABU DHABI, UNITED ARAB EMIRATES

The Petroleum Institute aspires to create a world-class research institution with the main emphasis to support and advance oil, gas and energy industries. The strong financial support of the Abu Dhabi National Oil Company (ADNOC) and its subsidiaries, as well as four major international oil companies, BP, Shell, JODCO and TOTAL, provide a teaching and research environment that is unique in the resources and potential that the PI enjoys. Research activities are well integrated into the educational system and are expressly designed to serve the R&D needs of ADNOC and its subsidiaries. The campus has modern instructional laboratories and classroom facilities and state-of-the-art research laboratories and centers, such as PI Research Center (PIRC). The chemical engineering faculty members play a major role in interdisciplinary research

and collaborate actively in joint research projects through the PI standing agreements with partner universities (e.g. University of Minnesota, University of Maryland, Colorado School of Mines, Rice University, University of Texas - Austin, China University of Petroleum - Beijing, and Johannes Kepler University at Linz - Austria). Research in the department of chemical engineering is supported by state-of-the-art laboratories and equipment. Our laboratories include the Catalysis, Reaction Engineering and Process Intensification laboratory, the Flow Assurance and Production Chemistry laboratory, the Polymer laboratory (polymer chemistry, polymer characterization and testing as well as polymer processing), and the Environmental Chemistry laboratory. There are also dedicated facilities and software for computational work. A postdoctoral position is currently available in the field of Combustion at the Petroleum Institute in Abu Dhabi. Candidates should have a PhD with expertise in flame/reactor simulation and experiments, and reaction mechanism development using quantum calculations in Gaussian. Candidates having MS degree with at least three years of relevant experience may also be considered. We are particularly interested in candidates with the following qualities: Good knowledge of and research experience in flame modelling and simulation, reaction mechanism development, quantum chemical calculations, and design of experiments for model validation; Experience with software such as Gaussian and Chemkin; Ability to work independently as well as collaboratively; Excellent oral and written communication skill; A good track record of research publications. Job Requirements: The successful candidate will develop models and reaction mechanism for gas processing/combustion units in the fields of the oil, gas, and petrochemical industries; He/she will also be responsible for supervising some graduate students in the area of combustion. This is a fixed term position for one year and is available immediately. Salary and benefits will be commensurate with qualifications and experience. The total compensation package includes a tax-free 12-month base salary, and a benefits allowance that covers relocation, housing, initial furnishings, utilities, transportation (automobile purchase loan), health insurance, child (ren) education, end-of-service benefit and annual leave travel. Applicants must be in excellent health and will be required to pass a

pre-employment physical examination. **How to Apply: Interested candidates should apply online at the following link: <https://career.pi.ac.ae>. Only shortlisted applicants will be notified. The deadline for applications is 1st April 2015.** Physical Demands: Minimal. Work Environment: Normal office environment.

MULTI-RANK FACULTY POSITION IN ADVANCED MANUFACTURING DEPARTMENT OF CHEMICAL ENGINEERING VIRGINIA TECH

The Department of Chemical Engineering at Virginia Tech invites applications for a full-time tenure-track position at the Assistant or Associate Professor level to support efforts to develop polymeric materials with predictable functional properties for use in additive manufacturing. Candidates with research expertise in polymer/composite processing and rheology, structure/property relationships, and/or materials discovery/synthesis are sought. This position is part of a coordinated team hiring strategy led by the Virginia Tech College of Engineering for five interdisciplinary faculty in Advanced Manufacturing to enhance a well-established manufacturing research team. Members of this integrated team will work in a collaborative environment with common space and equipment, while also leveraging established labs on campus and the Commonwealth Center for Advanced Manufacturing, a public-private partnership in the state. Team members will also have the opportunity to collaborate with faculty in the Macromolecules and Interfaces Institute (MII) and to work with students in the Macromolecular Science and Engineering (MACR) graduate degree program. **Interested individuals should apply on-line at <https://www.jobs.vt.edu> for job posting #TR0150006, or by using the quicklink <https://listings.jobs.vt.edu/postings/54167>. Attach a curriculum vitae, a statement of teaching interests, research plans, and the name and contact information of three professional references.** For more details contact Professor Stephen Martin at martinsm@vt.edu. The search will remain open until the position is filled. Female and minority applicants are especially encouraged to apply. Virginia Tech is an Equal Opportunity/Affirmative Action employer.

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