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<http://careerengineer.aische.org>

POSITIONS OPEN

PROCESS APPLICATIONS ENGINEERS

Process Applications Engineers: perform the modeling and process mechanical design of equipment associated with the oil and gas industry, and design refrigeration systems utilizing hydrocarbon, halocarbon and ammonia refrigerants. Job location: Houston, Texas. BSCE and 5 years of experience. **Mail resumes to Melanie Dover, Enerflex Energy Systems Inc., 10815 Telge Road, Houston, TX 77095. Refer to Job Code JV0001 when applying.**

ACADEMIC OPENINGS

FACULTY POSITION IN CHEMICAL ENGINEERING AT ARIZONA STATE UNIVERSITY

The Ira A. Fulton Schools of Engineering at Arizona State University invites applications for a tenured faculty position in the Chemical Engineering program. At the time of hire the successful candidate will have the experience and record of accomplishment commensurate with appointment at the rank of full professor. The successful candidate will complement and add to the program's foundational strength in chemical engineering education while advancing one or more of its key research areas in energy, biological and biomolecular engineering, transport phenomena, sustainability, and advanced materials. The originality and promise of each candidate's work are higher priorities than the specific area of research. Applicants should have a PhD degree in chemical engineering or related fields, and demonstrated excellence in research and strong commitment to teaching. Faculty members are expected to develop and maintain an internationally recognized and externally funded research program, teach graduate and undergraduate courses, advise students, and undertake service activities within the university and in the professional community. ASU is a Research I University with outstanding research facilities and infrastructure support. Located within the metropolitan Phoenix area, the Fulton Schools of Engineering are one of the largest engineering schools in the country with about 7,000 students studying in 14 engineering programs including chemical engineering (<http://engineering.asu.edu/research/programs/che>). The successful candidate will be able to leverage University investments that promote interdisciplinary teaching and research, including the BioDesign Institute (<http://biodesign.asu.edu>) the Global Institute of Sustainability (<http://sustainability.asu.edu>), the Leroy Eyring Center for Solid State Science (<http://lecsas.asu.edu>), and the Flexible Display Center (<http://flexdisplay.asu.edu>) as well as University partners in the Valley of the Sun including Mayo Clinic in Scottsdale, Translational Genomics Institute and Barrow Neurological Institute in Phoenix, and APS STAR Solar Testing Center in Tempe. **Interested candidates should email a letter indicating research and teaching interests and current curriculum vitae including names, telephone, mail and email addresses of three references to ChESearch@asu.edu.** Applications will be reviewed beginning April 1 and continue weekly until the search is closed. For further information, contact the search committee chair, Prof. Jerry Y.S. Lin, at (480) 965-7769 or email: Jerry.Lin@asu.edu. Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

CHEMICAL PROCESSING RESEARCH DIRECTOR FLORIDA INDUSTRIAL AND PHOSPHATE RESEARCH INSTITUTE

The Florida Industrial and Phosphate Research Institute (FIPRI Institute) is seeking a Program Director to oversee Chemical Processing Research. FIPRI Institute was established by Florida law in June 2010. This legislation transformed the Florida Institute of Phosphate Research into a research institute within the University of South Florida Polytechnic. <http://www.fipri.state.fl.us/>. Duties: The Chemical Processing Program Director manages the varied aspects of the research programs related to the improvement of the manufacturing processes for phosphate fertilizers and by-products with special efforts to develop processing improvements that would reduce environmental impacts. **Apply on-line:** <http://www.poly.usf.edu/Offices/HR/ProspectiveEmployees.html>

Visit AIChE'S CareerEngineer Job Board <http://careerengineer.aische.org> For Additional Employment Opportunities

Employers specifically seek AIChE members due to their commitment to professional excellence. Your AIChE Membership gives you the job-seeking advantage. Some of the many positions you'll see on AIChE's targeted chemical industry job board include:

Those of companies participating in AIChE's Chemical Engineering Online Career Fair, May 17-18; including:

- Afton Chemical
- Biolab Inc., A Chemtura Company
- Cabot Corporation – Platinum Employer
- Corning Incorporated
- Dow Corning Corporation – Silver Employer
- Myriant Technologies Inc.
- Rayonier
- REC Silicon – Platinum Employer
- Searles Valley Minerals – Gold Employer

While on the site, be sure to upload your resume FREE for employers to view and contact you. AIChE member resumes are placed at the top of the list for employers to view first.

POSTDOCTORAL FELLOW IN MEMBRANE DISTILLATION, MASDAR INSTITUTE (UAE)

Masdar Institute (UAE) has an opening for a post-doc in membrane distillation (MD) for desalination applications. The position tasks include; developing membrane materials for MD desalination, developing experimental protocols for the fabrication and characterization of membranes utilized in MD desalination, and modeling the MD membrane systems. Applicants should have an excellent research record in the MD field. Fluency in English is essential. A PhD in Chemical Engineering or related discipline is required. The position offers a

generous salary and benefits package. Review of applications will begin immediately and continue until the position is filled. **Applications must be submitted to: harafat@masdar.ac.ae**

ASSISTANT PROFESSOR OF BIOLOGICAL ENGINEERING DEPARTMENT OF MOLECULAR BIOSCIENCES AND BIOENGINEERING, UNIVERSITY OF HAWAII AT MANOA

Assistant Professor of Biological Engineering, position number 84631, UHM C of Trop Agr & Human Res, (Manoa), Molecular Biosciences &

Bioengineering (MBBE), tenure track, to begin Aug 1, 2011. Duties: Establish a strong research program and teach undergraduate and graduate courses in biological engineering. Minimum qualifications: Ph.D. in biological engineering or closely allied disciplines, with formal experience in biological, environmental, bioprocess and/or biochemical engineering. The position requires a solid background in engineering fundamentals as well as working knowledge of modern biological sciences as applied to biological systems. ABD applicants must have degree requirements completed at the time of hire. Desirable qualifications: Post-doctoral training; proven grant and/or publication records; strong communication skills; demonstrated ability to collaborate with others; engineering licensure; demonstrated experience in teaching and graduate student supervision. Pay range: I3, commensurate with experience.

To apply: Send cover letter, curriculum vitae, statement of research and teaching interests, contact information for at least three references, and copies of university transcripts to: Dr. Andrew Hashimoto, Search Committee Chair, Department of Molecular Biosciences & Bioengineering, College of Tropical Agriculture & Human Resources, University of Hawaii at Manoa, 1955 East West Road, Honolulu, HI 96822. Inquiries: aghashim@hawaii.edu. Continuous Recruitment – application review begins April 15, 2011.

CORNING

Sr. Chemical Process Engineer (#164786)

Corning is the world leader in specialty glass and ceramics. We create and make keystone components that enable high-technology systems for consumer electronics, mobile emissions control, telecommunications and life sciences. Corning succeeds through sustained investment in R&D, over 150 years of materials science and process engineering knowledge, and a distinctive collaborative culture. Our products include glass substrates for LCD flat panel televisions, computer monitors and laptops; ceramic substrates and filters for mobile emission control systems; optical fiber, cable, hardware & equipment for telephone and internet communication networks; optical biosensors for drug discovery; and other advanced optics and specialty glass solutions for a number of industries including semiconductor, aerospace, defense, astronomy and metrology.

Responsibilities:

- Develop and improve chemically based processes for early stage innovation programs and existing businesses.
- Lead the design and develop new processes or improve existing chemically based processes at Corning manufacturing facilities worldwide.
- Lead the implementation of Process Control and Discipline systems into manufacturing operations.
- Drive fundamental understanding of chemically based processes as they are developed, deployed, and improved.
- Planning and organization.
- Project documentation.
- Measure and communicate performance against established objectives.
- Coaching of less experienced Chemical Engineering talent across the corporation.
- 10 – 25% travel to clients, vendors, and project locations. Some international travel.

Qualifications:

- Minimum of B.S. in Chemical Engineering; M.S. preferred; P.E. desirable.
- 6 – 10 years experience as a practicing chemical engineer in the chemical, specialty chemical, pharmaceutical, or petrochemical process industries
- Track record of successful use of Chemical Engineering fundamentals to solve process problems
- Able to practice "Classical" Chemical Engineering (preferably obtained through experience in chemical/specialty chemical, pharmaceutical, or petrochemical Process Development, Engineering, and/or Manufacturing)
- Able to solve problems and improve processes using structured problem solving methods such as KT, Designed Experiments, or Six Sigma
- Decision making
- Able to analyze process data using statistical tools
- Planning and organization
- Capable of leading process development / improvement projects
- Personal initiative and commitment
- Operate in interdisciplinary teams
- Effective written and verbal communication

Desired Skills:

- Six Sigma Green Belt
- Effective presentation skills

Visit www.corning.com to learn more and to apply to Job Reference No. 164786

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CONTACT:

DeniseDeLucaMallon,
Global Recruitment
Sales Manager
at 646-279-2149
or denid@aiche.org



Opportunities in Petrochemical Industry

SAUDIA BASIC INDUSTRIES CORPORATION (SABIC) represents Saudi Arabia's industrial image, a world-class manufacturer of basic chemicals, fertilizers, polymers and metals. SABIC was established in 1976 and ranks today among the world's top five petrochemical companies. It has more than 45 manufacturing sites world wide, of which 20 are in Saudi Arabia. SABIC has operations in more than 40 countries, besides marketing and investment divisions based at its headquarters in Riyadh. It has the strength of more than 31,000 highly skilled and satisfied employees. For more information about SABIC, please visit www.sabic.com

Ethylene Glycol Specialist

JRE29683

Qualification: B.Sc. in Chemical Engineering, an additional degree in Business Management would be an added asset.

Experience: The candidate must possess a verifiable record of over 15 years professional working experience in a developed Petrochemicals environment in the EG derivatives; must have proven experience in technical and plant operations and a working knowledge of operation in an international market environment.

Poly Olefin Specialist

JRE29682

Qualification: B.Sc. in Chemical Engineering. An additional degree in Business Management would be an added asset.

Experience: The candidate must possess a verifiable record of over 15 years professional working experience in a developed Petrochemicals environment preferably in the polyolefin derivatives; must have proven experience in technical and plant operations and a working knowledge of operation in an international market environment.

Fertilizer Specialist

JRE30260

Qualification: B.Sc. in Chemical Engineering. An additional degree in Business Management would be an added asset.

Experience: The candidate must possess a verifiable record of over 15 years professional working experience in a developed petrochemicals environment in the cracking derivatives; must have proven experience in technical and plant operations and a working knowledge of operation in an international market environment.

Extruder Specialist

JRE30270

Qualification: B.Sc. in Chemical / Mechanical / Plastic Engineering.

Experience: The candidate should have minimum of 15 years experience in a plastics compounding including: extrusion/compounding equipment technology and troubleshooting, mixing/ blending equipment, solids handling, pelletizing equipment, classification and packaging processes and equipment. The candidate should have knowledge of computerized process control, PLC, or DCS systems. International experience traveling and providing compounding support for Europe and Asia compounding operations is required. Experience with PI, ASPEN, SPC: SAP is an added advantage.

Fired Heaters & Boilers Specialist

JRE30283

Qualification: B.Sc. in Mechanical / Chemical Engineering. Candidates with an M.S. Degree is preferred.

Experience: The candidate should have minimum of 15 years professional experience in fired heaters and boilers with broad experience in design check, performance enhancement, troubleshooting, and failure analysis of fired heaters and boilers. Good experience in refractory design and installation is desirable.

Ethane/Naphtha Ethane/Naphtha Cracking Specialist

JRE30284

Qualification: B.Sc. in Chemical Engineering. An additional degree in Business Management would be an added asset.

Experience: The candidate must possess a verifiable record of over 15 years professional working experience in a developed petrochemicals environment preferably in the Ethane/Naphtha cracking derivatives; must have proven experience in technical and plant operations and a working knowledge of operation in an international market environment.

Distillation/Separation Specialist

JRE30286

Qualification: B.Sc. in Chemical Engineering. An additional degree in Business Management would be an added asset.

Experience: The candidate must possess a verifiable record of over 15 years professional working experience in a developed Petrochemicals environment in the separation technology; must have proven experience in technical and plant operations and a working knowledge of operation in an international market environment.

Unfired Heat Transfer Equipment Specialist

JRE30287

Qualification: M.Sc. / B.Sc. in Mechanical / Chemical Engineering.

Experience: The candidate must have a minimum of 15 years professional experience in the Heat Transfer discipline with a focus on the oil and gas industry. The Heat Transfer Specialist is expected to have a sound background in engineering, as well as knowledge in the field of heat transfer and physics of transport phenomena and fluid flow. The candidate should have experience in troubleshooting and de-bottlenecking of (unfired) heat transfer equipment in operating plants, heat transfer equipment operating data analysis and interpretations, preparation of heat transfer equipment design (thermal, hydraulic, and mechanical), capital project support and quality assurance, training, technology development and guidance on design practices and procurement standards.

APPLICATION PROCESS: Candidates may send CVs to oilxb@jvi-global.com

Processing preference will be given to CVs received at www.jerryvarghese.com/applyonline

Please select your source of CV as "Print Advertisement" quoting the above Job Title and Ref. No.

(JRE). To view complete job details, please visit www.jerryvarghese.com/sabic



JERRY VARGHESE

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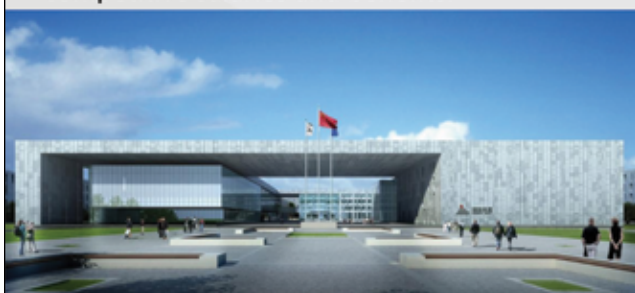
Immediate Openings at NICE (National Institute of Clean-and-low-carbon Energy)

北京低碳清洁能源研究所

National Institute of Clean-and-low-carbon Energy is a national institute focused on energy R&D and is located in Beijing. NICE is funded by the Shenhua Group, one of the largest integrated energy companies. NICE is positioning to become a world-recognized institute in the field of clean & low-carbon energy, and is seeking qualified candidates with R&D and/or engineering experience in the following fields:

- Novel routes for conversion and upgrading of coal and biomass to fuels and chemicals
- Novel materials and systems for clean and low carbon energy applications
- State of the art coal power plant design, process optimization, and emission control
- CCS and CO₂ utilization including Enhanced Oil Recovery (EOR)
- Renewable energy and chemicals
- Energy storage

If you are interested in a rewarding career and challenging opportunity please visit our website www.nicenergy.com where you will find details on opportunities with us. To apply, please submit your CV and cover letter via our website, or send e-mail to Opportunities@nicenergy.com. For qualified candidates we offer internationally competitive salaries and benefits.



Writing a Book? Or Know Someone Who Is?



Tell AIChE/Wiley Press About It.

AIChE is looking for material for original books to be published by AIChE/Wiley Press.

Content should focus on chemical engineering topics in both conventional and emerging areas, including bioengineering, nanotechnology, environment and sustainability, and alternative energy.

If you or someone you know have completed or are working on a book on these topics, contact Dr. Joe Alford at jmalford5@earthlink.net or Stephen Smith at steps@aiche.org.

The publishing partnership between AIChE and Wiley Publishing Co. was formed in 2005 to publish quality books useful to AIChE members, as well as other chemical engineers, and are distributed around the world. Books published by the AIChE/Wiley Press have the advantages of Wiley's global marketing/sales capabilities and AIChE's ability to reach out to all of its domestic and international members.

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