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POSITIONS AVAILABLE

MUTUAL PHARMACEUTICAL CO. (PHILA.) MANAGER, SPECIAL PROJECTS - PHARMACEUTICAL OPERATIONS

Manages special projects for pharma. manufacturing operations to improve efficiencies, perform equip. evaluations, purchase & install equip., oversee s/w installation, commission facilities & provide special training. Applies chem. engineering technical expertise in manufacturing controlled-release products & provides technical leadership for granulation, blending, tableting & coating process scale-up. Applies knowledge of cGMPs & FDA regs. applicable to solid dosage forms, process, facilities, & equipment validation, statistical design of experiments & tech. project management to perform above. Min. PhD in Chem. Engineering, 1 yr. exp. in job or related field required. **Send CV to askalisky@urlmutual.com. Please refer to Dept. MPO in response.** EOE M/F/D/V

MUTUAL PHARMACEUTICAL CO. (PHILA.) MANAGER, QUALITY ENGINEERING & TECHNICAL SERVICES

Leads all chem. engineering & tech. operations support activities in manuf. of Technical Services batches for ANDA-approved solid dosage pharma. products. Uses technical expertise on granulation, tableting, blending, pan coating, encapsulation, pellet formation, sustained release film formation & other drug release technologies & applies knowl. of fed. regulations, GMP practices & SUPAC guidelines to perform above. Min. PhD in Chemical Engineering, 1 yr. exp. in job or related field req'd. **Send CV to askalisky@urlmutual.com. Please refer to Dept. QETS in response.** EOE M/F/D/V

PROCESS ENGINEER

Move to the Scenic Northwest! Solvay Chemicals, Inc., the world's largest producer of peroxygen chemicals, seeks a process engineer for our chemical manufacturing facility in Longview, Washington. Desire: Bachelor's degree in Chemical Engineering with a minimum 3.25 GPA (4.0 scale); 2 to 5 years experience in a chemical manufacturing facility or relevant environment; willingness to relocate for future company needs. Responsibilities include: Monitoring all aspects of the manufacturing process; identifying, troubleshooting, and solving process problems; optimizing the process, and identifying cost-saving opportunities; providing technical information and support to the manufacturing and maintenance departments; designing and executing modifications to the plant's distributed control system; managing the plant's process hazard analysis (PHA) program; minimizing the plant's impact on the environment. We offer excellent salary and benefits. **Qualified applicants, please send resume to: Process-Engineer@hotmail.com.** For more information about Solvay please visit our website at: <http://www.solvay.com/>

MARKET RESEARCH ANALYST

Ballard is recognized as the world leader in developing, manufacturing and marketing zero-emission proton exchange membrane (PEM) fuel cells for transportation and power generation applications. Our people are highly skilled innovators, motivated by a common vision - Power to Change the World®. We are a team of committed and creative individuals. Building on our foundation of experience, we are developing products with broad commercial potential. We know that when we succeed, the world will become a better place. We are a global company, with facilities and teams in Canada, Germany, the United States, and through our affiliate company in Japan. Our leadership is embodied in our people. As ever, we continue to put in place the people, skills, and systems required to drive us forward. Ballard Material Products in Lowell, MA seeks an experienced Market Research Analyst to be

located in the Lowell, MA facility. Successful candidates will possess an MBA Degree and at least one year experience in fuel cell or alternative energy component development, including engineering process design and development and experience in material science and carbon technology. **Interested candidates should send their resume to the Human Resources Department at hrbmp@ballard.com or to Two Industrial Ave., Lowell, MA 01851-5199.** For more details on Ballard please visit the website at www.ballard.com.

APPLICATIONS ENGINEER, MIAMI AREA

A leader in the field of pollution control seeks an Applications Engineer. Prefer BS in Chemical Engineering, but will consider candidates with Environmental Engineering degree and proven background. Individual will be designing and selling mist eliminators and structured packing for scrubbing towers, as well as, chemical operations using the company's patented products and services. Some travel (\pm 25%) required. Must have excellent written and verbal communications skills. Multi-lingual capabilities a plus. Great opportunity for right individual. Excellent salary and a full range of benefits. **Fax resume to Sharon @ (305)233-6743 or email to: Sharon@kimre.com.**

ASSOCIATE CONSULTANT(S)

Applied Manufacturing Technologies, located in Houston, TX, seeks degreed & experienced Associate Consultant(s) to design, develop & implement multivariable control applications for the chemical, petrochemical & petroleum refining industries. **Send resume to Director - Finance & Administration at 3200 Wilcrest Dr., Ste. 400, Houston, TX., 77042. Put job code ENG 01 on resume.**

PRINCIPAL APPRAISER/OIL

The Los Angeles County Office of the Assessor has a vacancy for a Principal Appraiser/Oil to perform complete oil refinery appraisals for property tax assessment purposes. Incumbent will perform complicated discounted cash flow analysis, analyze company records involving new purchases of equipment, work with attorneys on the presentation of complicated court cases, calculate the Replacement Cost New of each unit, calculate charge and yields for each process unit in a refinery, and drive to different locations to appraise oil refineries. A qualified candidate must have a Master of Science degree or higher in chemical engineering and five years engineering experience working in a petrochemical processing plant. **Interested candidates must file a standard County application with the Assessor's Personnel Office, KH Hall of Administration, Room 350, 500 West Temple St., Los Angeles, CA 90012. To obtain the standard County application and the job bulletin please call Personnel Services at 213-974-3161 or download them from our website at <http://lacountyassessor.com>.** Equal Opportunity Employer.

PROCESS ENGINEER 5 PLUS YEARS, FLUOR HOUSTON OFFICE

Job Description: Process engineers with process design experience in petroleum refining, petrochemicals, gas processing, GTL plants, LNG terminals and chemical plants. Capable of performing process studies, conceptual design, front end engineering and detailed engineering. Responsible for process work such as process simulations Hysys, Pro II and Aspen, process flow diagrams, process equipment design and P&ID's. Working in the project oriented environment and interfacing effectively with project and engineering disciplines. Capable of applying chemical engineering principles to the work process. Skills and Qualifications: A bachelor degree in chemical engineering; a minimum of 5 years of the applicable industry experience. **Respond to: Christopher.moody@fluor.com.**

ROHM AND HAAS COMPANY

We are looking for chemical engineering professionals all over the country and with most of our businesses. Here is just a sample of the opportunities with Rohm and Haas: Process Engineer in Croyden, PA (reference #248); Senior Process Engineer in Deer Park, Texas (reference #2392); Senior Project Manager in Croyden, PA (Reference #1257); Jr. and Sr. Product Development Engineers, Newark, DE (Reference #2229). **Please visit our career site at <http://www.rohmmaas.com/careers/index2.html> for a listing of all of our exciting opportunities.**

ACADEMIC OPENINGS

WASHINGTON STATE UNIVERSITY, ASSISTANT PROFESSOR/ASSISTANT SCIENTIST (BIOMASS PROCESSING AND BIOPRODUCT DEVELOPMENT) IN PULLMAN, WA.

The Department of Biological Systems Engineering invites applications for a permanent, 9-month, tenure-track Assistant Professor/Assistant Scientist in biomass processing and bioproducts development. The position is 85% research and 15% teaching. Required: PhD (at time of hiring) in Biological Systems Engineering, Chemical Engineering, Biochemical Engineering or a related field with experience and educational background in biomass processing and bioproducts. Desired: Excellent training in unit operations, especially thermo-chemical processes, or separation process integration; Knowledge of thermal, chemical and/or biological conversion processes and systems design; Demonstrated ability to develop new processes and systems for biomass processing and bioproducts; Experience working with multi-disciplinary research teams; Demonstrated ability to communicate with agricultural and biotechnology industry, regulatory agencies and agribusiness groups; Successful record of grant submissions and awards from competitive extramural sources; Evidence of excellent oral and written communications skills. **Send letter of application, curriculum vitae, a statement of research interest and teaching philosophy (3 pages), transcripts, and names and addresses, electronic mail addresses, and telephone numbers of three references to: Shulin Chen, Search Committee Chair; Department of Biological Systems Engineering; Washington State University; P.O. Box 646120; Pullman, WA 99164-6120; telephone (509) 335-1578; fax (509) 335-2722; electronic mail chens@wsu.edu.** Screening: August 1, 2006. For a complete notice of vacancy listing qualifications for this position, visit: <http://www.chr.wsu.edu/vacancies.asp> (Search #3667). EEO/AA/ADA.

UNIVERSITY OF COLORADO

(www.colorado.edu/che). The Department of Chemical and Biological Engineering seeks to hire a senior faculty member who will serve as Chair of the Department for a minimum of a four-year term. The position offers candidates a significant leadership opportunity in an emerging department. Candidates with established outstanding records in teaching and research will be considered, and candidates with demonstrated leadership and fund-raising will be favored. The Department, in collaboration with bio-science faculty from other units on the Boulder Campus, has embarked on a course to construct and occupy a state-of-the-art, ~\$100MM, laboratory building. **Applicants should send a curriculum vitae, statements on research, teaching and leadership, and names of at least three references to Christopher Bowman, Department of Chemical and Biological Engineering, University of Colorado,**

Boulder, CO 80309-0424 or submit pdf files to romige@colorado.edu. Review of applications will begin in August 2006. The University of Colorado is committed to diversity and equality in education and employment.

POLYMER PROCESS DEVELOPMENT

1 year+ post-doc, new polymer process development, Université Catholique Louvain and TOTAL, dewilde@imap.ucl.ac.be.

FACULTY POSITION IN CHEMICAL ENGINEERING AT YALE UNIVERSITY

The Department of Chemical Engineering at Yale University invites applications for a faculty position at the Assistant Professor level. The search is focused on individuals demonstrating outstanding potential, and with research interests in the biomolecular/biological side of modern chemical engineering, including bioseparations, biocolloids/biointerfaces, biomaterials, and bionanotechnology. The successful candidate will be expected to develop a creative and dynamic externally-funded research program, teach undergraduate and graduate courses in chemical engineering, and advise graduate students. With exciting programs at the forefront of the biological, medical, physical, and engineering sciences, Yale offers an ideal intellectual setting for a flourishing academic career in biomolecular/biological engineering. **Nominations and applications with a detailed resume, a description of research and teaching interests, and names and addresses of four references should be sent to: Chair, Chemical Engineering Search Committee, Department of Chemical Engineering, Yale University, P.O. Box 208286, New Haven, CT 06520-8286.** Review of applications will begin August 31, 2006 and continue until the position is filled. Yale University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and members of underrepresented minority groups. See <http://www.eng.yale.edu/content/DPChemicalEngineering.asp> for further information on our department.

Senior Chemical Process Engineer

Our role at the **U.S. Nuclear Regulatory Commission (NRC)** is critical, compelling, and wider than most people realize. To be sure, our accountabilities encompass establishing standards and regulations, issuing licenses to nuclear facilities and to users of nuclear materials, and more. But our impact is also felt in medicine programs at hospitals...in academic research facilities at universities...in various industrial settings — everywhere in the U.S. where nuclear materials are studied, implemented, and applied to help meet the needs of the world and make it a better place.

An opportunity currently exists in our **Rockville, MD headquarters facility** for a senior level Chemical Process Engineer.

In this role, you will serve as a principle technical specialist on the chemical and process safety aspects of the fabrication of mixed oxide (MOX) fuel; act as a senior evaluator of the chemical safety and related chemical hazards associated with the aqueous polishing and mixed oxide process of portions of a MOX fuel fabrication facility; and as a principle technical reviewer, based on operational experience with solvent extraction processes (plutonium-uranium recovery extraction [PUREX] process (or similar processes) and uranium fuel manufacturing processes. You will also utilize this experience in the performance of technical assessments to ensure proper control of chemical hazards and to determine the adequacy of the safety and environmental protection programs and provisions associated with MOX fuel fabrication facilities.

You must possess a Bachelor's degree in the field of Physical Chemistry, Physics, or Chemical Engineering or an equivalent combination of education and experience. In addition, you will need direct operational experience in chemical process plant design, construction, and operations involving complex chemical hazards and toxic material safety issues, including operational experience with solvent extraction processes such as the plutonium-uranium recovery extraction (PUREX) process (or similar processes) and uranium fuel manufacturing processes. **Salary Range: \$107,521 – \$139,774.**

How to Apply

For detailed job descriptions and to apply on-line, please visit our Web site at: www.nrc.gov/who-we-are/employment.html and refer to **Vacancy Announcement #NMSS/FCSS-2006-0016**. To enter your resume into the system, simply prepare it using WordPerfect, Word, or another commonly used program, then copy and paste your resume into NRCareers. Only on-line applications will be accepted through **September 30, 2006**.



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ASSOCIATE/FULL PROFESSOR IN BIOLOGICAL ENGINEERING, UNIV. HAWAII, TENURETRACK

Provide strong leadership in the Biological Engineering instructional program and in ABET accreditation, teach senior capstone design and other undergraduate courses, and establish a high-quality research program in Bioprocess Engineering. PhD in Biological, Chemical or related engineering disciplines. **To apply: Send cover letter, cv, statement of research and teaching interests, 5 representative reprints, and contact information of 3 references to: Search Committee Chair, Department of Molecular Biosciences & Bioengineering, University of Hawaii at Manoa, 1955 East West Rd, Honolulu, HI 96822.** Further information on the position and the department can be viewed at <http://www.ctahr.hawaii.edu/mbbe/>. Inquiries: 808-956-8384.

UNIVERSITY OF CALIFORNIA, BERKELEY, DEPARTMENT OF CHEMICAL ENGINEERING, NON-TENURED/TENURED FACULTY POSITION

University of California, Berkeley, seeks applicants for a non-tenured or tenured faculty position effective July 1, 2007 in the Department of Chemical Engineering. Of particular interest are persons whose research involves the development of theoretical methods and their application in the areas of materials and biological processes. However, creative and energetic individuals who show extraordinary promise or accomplishment in any area will be considered. We require a PhD in Chemical Engineering or a closely related discipline. **To apply, please send a curriculum vitae, detailed statements of research and teaching interests, and names and addresses of three references to: Chair, Search Committee, Department of Chemical Engineering, University of California, Berkeley, CA 94720-1462.** Applications submitted after October 15, 2006 will not be considered, and earlier application is encouraged. The University of California is an Equal Opportunity, Affirmative Action Employer.

LECTURER/SENIOR LECTURER/ASSOCIATE PROFESSOR IN CHEMICAL AND PROCESS ENGINEERING, DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING, UNIVERSITY OF CANTERBURY, CHRISTCHURCH, NEW ZEALAND

Vacancy Number: A116-06K. Closing Date: 4 August 2006. Applications are invited for two (2) full-time, continuing academic positions. One position will be filled at Lecturer (Assistant Professor, US system), the other position will be appointed at a level commensurate with the successful applicant's experience up to Associate Professor (Full Professor, US system). The Department is seeking to build on its areas of strengths such as bioprocessing, energy, thermodynamic properties, nano/particle processing, separations, wood processing and computational fluid dynamics. The Department offers a four-year, fully accredited undergraduate degree program, graduating approximately 45 students a year, and it has active ME and PhD programs. We pride ourselves in balancing superb research with quality teaching while maintaining a collegial environment. **For detailed information and to apply on-line, visit <http://vacancies.canterbury.ac.nz/> or for assistance contact the Human Resources Administrator, College of Engineering, University of Canterbury, Private Bag 4800, Christchurch, New Zealand, phone +64 364 3473, fax +64 3 364 2705, or email hr@engineering.canterbury.ac.nz**

ASSISTANT/ASSOCIATE PROFESSOR OF BIOENGINEERING

The Pennsylvania State University invites applications for a tenure track position in the Department of Bioengineering at its University Park campus. Applicants are expected to have a PhD in bioengineering, biomedical engineering, biophysics, or a related discipline. Post-doctoral research and/or teaching experience is highly desirable. The department has a 30 year history of multidisciplinary graduate training and solid institutional support to promote faculty growth and development. Current research strengths include cardiovascular bioengineering, cell and molecular biomechanics, biophotonics, biomaterials, bioMEMS, biomedical imaging, and neural engineering. Productive interactions between engineering and life science faculty are fostered by well-supported research programs in Penn State's Materials Research Institute, Huck Institutes for Life Sciences, and the Institute for Biomedical Engineering at the Milton S. Hershey Medical Center. For more details, visit <http://bioeng.psu.edu>. Research areas of particular interest include experimental/computational analysis of intracellular signaling, cardiovascular tissue engineering, small animal MRI and all areas that expand current strengths of the department. Preference will be given to candidates with teaching interests in the areas of physiological systems analysis, biological transport phenomena and/or biothermodynamics. **Send curriculum vitae, statement of research and teaching objectives, and names of three references by September 1, to Dr. Herbert H. Lipowsky, Professor and Head, Department of Bioengineering, The Pennsylvania State University, 205 Hollowell Building, Box B-22535, University Park, PA 16802.** Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

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