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Classified Listings



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E-mail: Orla.Cosgrave@ucd.ie

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PROCESS CHEMICAL ENGINEERS: O'Neal, Inc. is seeking experienced Process Chemical Engineers for work in our Greenville, SC headquarters. Applicants must have BSChE and EIT or PE certification. Experience producing material energy balances, P&ID, simulations, and equipment specifications in an industrial setting is required. O'Neal, Inc. is a values-driven, employee-owned consulting firm serving major corporate and institutional clients worldwide. We have grown since our founding in 1975 to become the largest employee-owned consulting firm in the Southeastern U.S. We offer an excellent compensation and benefits package including stock ownership, generous bonuses, relocation assistance, and 401(k) plan. Our team members enjoy a 4-? day workweek, mentoring, development, flexibility and growth opportunities. If you are a motivated professional with strong leadership skills, in search of a great working environment, visit www.onealinc.com or submit a resume to jobs@oneal-inc.com (please reference GRNCHPE030601). O'Neal, Inc., Fax (864) 298 6350, 10 Falcon Crest Drive, Greenville, SC 29607 EOE.

Scientist (Organic Synthesis Chemist) JO 01-002069: Applied Biosystems is the leading supplier of products, services, and information in the life sciences and in genomics used in markets such as pharmaceuticals, biotechnology, basic research, molecular medicine, human DNA, environmental testing, food, and agriculture. **Responsibilities:** Execution of documented chemical processing operations to prepare a wide variety of specialtychemical products (complex small molecules & polymers). Operations include the piloting and development of new synthesis and polymerization processes, as well as established production processes. Ensure that SOP's and manufacturing work instructions are followed to maintain regulatory compliance and product quality. **Skills:** Experience with standard-configuration chemical reactors and associated chemical processing equipment, familiarity with chemical unit operations, and at least two years of relevant industrial experience. Bachelor's, Chemistry and knowledge of organic chemistry highly desirable. **Applied Biosystems is an Equal Opportunity Employer and welcomes diversity in the work place.** Email resumes to: rossln@appliedbiosystems.com



ATOFINA CHEMICALS INC., a leading chemical company is currently seeking a Chemical Engineer to be involved in all aspects of industrial safety including industrial hygiene, PSM and regulatory training at our Crosby, TX facility. Previous plant level experience desirable, along with the ability to work with all levels of plant, supervisory and management employees. Will report to Plant Safety Manager. Company considers this assignment extremely beneficial to Engineers wishing to broaden their career to include all aspects of plant operations. VPP and/or Behavioral Safety background a definite edge! We offer an excellent compensation and benefits package. For immediate consideration, please send/fax or email resume with salary history to: Human Resources Manager, ATOFINA CHEMICALS INC. 18000 Crosby-Eastgate Road, Crosby, TX 77532. FAX: 281-328-4052, E-mail: bill.crabtree@atofina.com An Equal Opportunity Employer M/F/D/V

PROCESS ENGINEER: Our client has an opportunity for a Process Engineer in their Research Laboratory established in 1992 as an R&D center for specially advanced materials and components. All R&D is internally funded and several successful commercial products have been discovered and developed within this laboratory. The Process Engineer will join a team developing new products with a proprietary solution-based thin film coating process for optics and display components; become familiarized with the current laboratory scale process quickly and modify or extend the current technology to develop an entirely new class of products. Participate in and coordinate production of customer samples, track yields, make continuous improvements and interact with customers to tailor properties to meet their needs. Participate in technical conferences and author and patents. **Qualifications:** Advanced degree in Materials Science, Chemical Engineering or Mechanical Engineering with at least 3 years of experience in thin film coatings. Pilot plant and scale up experience desired. **Position location:** southern California. Email resumes: info@dpparker.com

SABIC is a global petrochemical company with headquarters in Riyadh, Saudi Arabia. SABIC manufactures commodity chemicals and has annual worldwide sales in excess of 6 billion US dollars. SABIC Americas, an affiliate of SABIC with headquarters in Houston, Texas, recently opened an R&D center whose mission is catalyst R&D and process development aimed at processes designed to manufacture commodity chemicals from petrochemical feedstocks. This R&D center is now recruiting a Process Evaluation Engineer and a Research Engineer to help screen and evaluate new conceptual processes.

STEP into A GREAT CAREER

PROCESS EVALUATION ENGINEER

Candidates should have an MS or Ph.D. degree in Chemical Engineering and at least 15 years experience in chemical process development and evaluation of catalytic chemical technology. In addition, we would look for:

- Ability to feel comfortable and to interact effectively with conceptual processes
- Experience with Pro II, Aspen or equivalent process simulation software
- Evaluation of catalysts through experimental design, kinetic analysis and reactor modeling
- Demonstrated skills in process synthesis and conceptualization, process design, process simulation, equipment design and process economics
- Pilot plant or manufacturing operations experience would be a plus

Candidates must enjoy working as a team member, must be able to exchange ideas in a creative work environment and must have excellent verbal and written communication skills.

RESEARCH ENGINEER - PROCESS DEVELOPMENT

Candidates should have an MS or Ph.D. degree in Chemical Engineering and at least 5-10 years experience in process development and evaluation of chemical catalytic technology. They should have some or all of the following skills:

- Experience with design, construction and operation of bench scale catalytic reactors
- Experience with Pro II, Aspen or equivalent process simulation software
- Evaluation of catalysts through experimental design, kinetic analysis and reactor modeling
- Expertise in heat and mass transfer operations and theory
- Computer literacy and software development/programming skills

In addition, candidates must feel comfortable working in a team environment and have excellent verbal and written communication skills.

Job location is SABIC's Technology Center, situated in a pleasant wooded area about 20 miles southwest of Houston, close to excellent schools and living areas. Salaries and benefits are comparable to those of other major global petrochemical companies. Occasional travel to the Middle East may be required.

Applications should be sent to: **Director, SABIC Technology Center, 1600 Industrial Blvd., Sugar Land, Texas 77478-2589.** SABIC is an equal opportunity employer.

Westinghouse TRU Solutions, Waste Isolation Pilot Plant, Carlsbad, New Mexico. Process Engineer, Reference Number: 01:59-A. Email: wtsbids@wipp.carlsbad.nm.us Seeking to staff a Technical Support group with a cadre of senior personnel possessing extensive (10+ years) transuranic (TRU) mixed waste characterization and process engineering experience at a DOE nuclear facility. This group will be matrixed to support the National TRU Waste Program Office in such functions as to: develop hazardous waste facility permit (RCRA permit) modifications to enhance operational efficiency (at the WIPP, TRU waste generator sites and the transportation system) and permit new activities; develop and implement processes for the characterization, transportation, and disposal of Contact/Remote Handled TRU waste; develop transportation systems to accommodate non-typical waste configurations and to maximize throughput; develop and implement a waste characterization facility to ensure that waste received at WIPP conform to the WIPP Waste Acceptance Criteria; and develop business and management systems and tools to successfully integrate multiple TRU waste generator sites with the operation of the WIPP and the National TRU mission. Responsibilities will include program definition and development; project management; technical issues identification and resolution between WIPP site operations, National TRU Programs staff and TRU waste generator sites. Minimum of a Bachelor's degree in Engineering (preferably Chemical, Nuclear, or Mechanical) or Analytical Chemistry. Advanced degrees and professional certification a plus. We are an Equal Opportunity Employer. Salary is commensurate with Education and Experience (~\$50K - \$100K)

PROCESS ENGINEER: Provides process engineering assistance to Process Operations management in obtaining efficient plant production within quality specifications. This position provides troubleshooting of process conditions; quality assurance/quality control; and monitoring of process conditions to ensure compliance with all local, state, and federal specifications and regulations. Requires completion of a four-year degree in Chemical Engineering and 0-3 years of related experience in the chemical or petrochemical industry. Previous experience in water treatment, steam generation, cryogenics, distillation or materials handling experience is preferred. The company offers advancement opportunities and excellent compensation and benefits packages. The local area offers affordable housing, excellent school systems, and great outdoor recreation, hunting, fishing, golfing, etc. Interested? Please complete an employment application on our website at www.dakotagas.com.

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RESEARCH ASSOCIATE

- Job Code HCTV1

The Heterogeneous Catalysis Group is seeking a BS or MS-level scientist to operate, maintain, and troubleshoot state-of-the-art instrumentation for the high throughput synthesis and screening of new catalysts. Ideal candidates should have experience working with both gas-phase chemical reactors and analytical instrumentation such as gas chromatography and mass spectrometry, and be knowledgeable of common analytical software packages. Materials synthesis experience is also desired. Strong attention to detail, excellent communication skills and the ability to work effectively as a member of a multidisciplinary team are essential.

RESEARCH ASSOCIATE

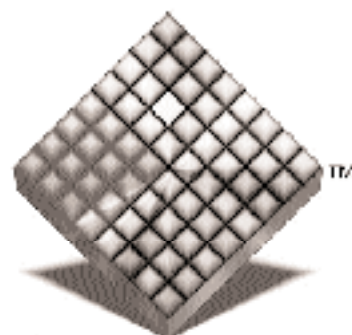
- Job Code PCRA1

The Homogeneous Catalysis Group is seeking a BS or MS-level Organic Chemist to support our efforts in the high throughput synthesis and screening of new homogenous catalysts. The successful applicant should have knowledge and experience in synthetic organic chemistry. Experience with multi-step, large- and small-scale preparations, flash chromatographic purification, and spectroscopic characterization (NMR, IR, GC- or LC-MS, etc.) is required. Familiarity with solution- and solid-phase parallel synthesis is desirable but not required. Experience in organometallic or inorganic chemistry and ligand synthesis is advantageous. Strong attention to detail, excellent communication skills and the ability to work effectively as a member of a multidisciplinary team are essential.

CHEMICAL ENGINEER

- Job Code CESE1

Are you looking for a rewarding opportunity in an exciting new area of chemical engineering? We are seeking a highly motivated and talented individual to join our team of Scientists and Engineers. You will be responsible for the development of new systems for the high-throughput, parallel testing of catalytic materials. Excellent communication skills and the ability to work in a group as well as individually in a fast-paced environment is essential. Preferred candidates have a strong background in reactor design, fluid dynamics, thermal engineering, analytical instrumentation, and mechanical design. An MS in Chemical Engineering or related field is required. PhD desired.



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STAFF SCIENTIST

- Job Code SBS10

We are seeking an energetic, talented, and creative individual to add to our technology development expertise. The selected candidate will work in an exciting fast-paced R&D environment in concert with chemists to discover new materials and be responsible for the development of high-throughput screening systems for material physical properties on a miniature scale. A diverse set of skills and abilities is a plus. The ideal candidate has experience in the design and analysis of novel devices in the areas of physical properties testing, analytical chemistry, and MEMS devices. Minimum qualifications are a PhD in a relevant field of science or a PhD in engineering and related experience. Excellent communication skills and the ability to work effectively as a member of a team are essential. This position will provide a unique opportunity to significantly contribute to an emerging and important area of modern science and engineering.

AUTOMATION & INSTRUMENT CONTROL SOFTWARE ENGINEER

- Job Code SCA01

The successful candidate will be working in a fast-moving and innovative environment, creating automation software for unique hardware devices that support the scientific R&D process. This position requires a fast learner and self-starter who can work well in a strong team environment, as well as independently. Must have a solid background in ATL, COM/DCOM and Visual C++, with at least 2 years of experience writing code that manipulates external devices. Experience with National Instruments or other major firmware products is also required, as well as implementing serial protocols. Some familiarity with other software technologies and programming languages is a plus, especially MFC, Visual Basic, ASP and Oracle PL/SQL. Experience working with scientists, preferably in chemical or pharmaceutical industry is highly desirable.

For immediate consideration, please send your resume including Job Code, to: **Symyx Technologies, Inc., Human Resources, 3100 Central Expressway, Santa Clara, CA 95051**. Email: hrstaffing@symyx.com. Fax: 408-773-4087. For more information about Symyx, please visit our website at www.symyx.com. EOE



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Wyeth and Immunex are collaborating to start up a new biopharmaceutical manufacturing facility, located 15 minutes south of **PROVIDENCE, RI**. The facility will supply global markets with Enbrel, a therapeutic breakthrough for Rheumatoid Arthritis.

SENIOR AUTOMATION ENGINEER

The Senior Automation Engineer shall build upon and improve existing batch control systems to optimize process and facility use while conforming to Standard Operating Procedures and cGMP requirements. Other responsibilities include:

- Training of production personnel to operate control systems
- Instrumentation specification and troubleshooting
- Generation of documentation and as-builts for full cGMP validation and operation, including documentation of changes made

BS, MS or Ph.D. in Engineering (Chemical preferred) with 5-10 years' experience in Batch Process Control, Distributed Control Systems, Supervisory Control and Data Acquisition, and Programmable Logic Controllers in an operating environment.

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Classified Listings



RMT, Inc. Position Title: Project I Engineer. **Office:** HOUSTON. **Description:** We currently have an opportunity available in our Houston office. This position requires a technical staff person with a minimum of 2-3 years experience in an air quality related field. The qualified applicant will work under the direction of team leaders and project managers on air quality technical projects including but not limited to emission inventories, SARA reporting, upset reporting, compliance with state and federal air rules, and air permit application preparation. The qualified applicant will also interact with clients with potential onsite assignments. Minimum 2 years in any combination of agency, industry or consulting experience. Strong computer skills - particularly spreadsheet programs. BS Engineering - Prefer PE. Preferred experience consulting on air quality issues in the petrochemical, refining, refining or polymer industry. Preferred Experience and ability conducting emission calculations, SARAs, emission inventories, BACT determinations, air compliance assistance and Title V permitting. Must travel to site locations which can include climbing, standing, bending, walking. **Position Title:** Process Engineer. **Office:** HOUSTON.

Description: We currently have an opportunity available in our Houston office. Job includes performing air emission calculations, application of TNRC and USEPA air quality regulations to emission source and completing TNRC permitting and standard exemption forms. Qualified candidates will have an Engineering degree (Chemical or Environmental engineering preferred). Registration as EIT and one to three years of experience is preferred. Experience with EPA software programs such as TANKS 4.1, SCREEN 3 and FIRE 6.2 preferred. Strong communication skills, technical writing skills and proficiency using word and Access. **Contact Information:** **Email:** CarolynElsea@rmtinc.com **FAX:** Carolyn Elsea at (864) 281-0288 **Mail:** RMT, Inc. c/o Carolyn Elsea, 100 Verdae Blvd., Greenville, SC 29607-3825, USA.

ALZA - It's all about IMPROVING LIFE. As a research-based pharmaceutical company, ALZA is focused on developing and bringing to market products with enhanced therapeutic value based on our innovative drug delivery technologies. In our role as a developer, manufacturer and marketer of breakthrough products, we are committed to creating innovative solutions to advance patient care. Our mission is to improve the lives of people everywhere. **Development Engineer:** You will perform the development and scale-up of manufacturing processes for liposomal and lipid-based pharmaceutical products. You'll implement technical objectives, participate in project teams and provide process engineering expertise in the invention and optimization of improved manufacturing methods. You may act as a Project Team leader and/or assume supervisory responsibilities. Requires a PhD or equivalent in Chemical Engineering, Biomedical Engineering or related field with 5-10 years experience in process development, clinical operations, and/or production of pharmaceutical products. You must have a sound understanding of basic engineering principles, and familiarity with cGMPs. Previous experience with colloidal suspensions, liposomes, biotechnology processes or parenteral product manufacturing is preferred. Supervisory experience is helpful. Please send resume, indicating Job Code 00-39765-ACH, to ALZA Corporation, HR Dept., 1900 Charleston Road, PO Box 7210, Mountain View, CA 94039-7210; fax: (650) 564-5656; email: jobs@alza.com (ASCII files only); Job Hotline: (650) 564-5319. Our hiring managers will review all qualified resumes. ALZA is proud to be an EOE.

GEO-CENTERS, INC., a high technology, growth-oriented research and development firm specializing in scientific and engineering services for the Department of Defense is seeking a Ph.D level Chemical Engineer to support our operations in Edgewood, Maryland. The successful candidate will have a Ph.D. in Chemical Engineering with a minimum of 2 years experience in biological and chemical detection/classification/identification. Strong background in various pyrolysis techniques for biological analysis. Extensive knowledge of gas chromatography separation technique required. Must have worked with analytical instruments such as mass spectrometers. Strong background in automated data analysis procedures such as Multi-Variate-Data analysis, Artificial Neural Networks etc. Experience with aerosol particulate collection-concentrator systems. Experience in troubleshooting and maintenance of laboratory and stand-alone equipments. GEO-CENTERS, INC. offers a competitive salary and benefits package. Qualified candidates should forward their resume to GEO-CENTERS, INC., CODE: 1151-ABD, 4640 Forbes Blvd., Ste 120, Lanham, MD 20706. Via email to staffing@geo-centers.com or fax to 301-429-8814. EEO/AAE

Greene Engineers, Silicon Valley's original facilities engineering firm, has been a leader in the design of high technology facilities for the electronics, bioscience and healthcare industries for more than 40 years. Greene designs the critical engineering systems that are the core technologies of these facilities, and we've helped define state-of-the-art design for clean manufacturing. We are currently searching for seasoned Senior Chemical Engineers with design intensive experience. Our engineers are involved with a project from concept design through construction, and must possess the professional skills required to work directly with clients. Semiconductor industry and consulting engineering experience a plus. If you are a P.E. with a minimum of 10 years experience in facilities design, please send your resume to: Greene Engineers, 221 E. Hacienda Avenue, Campbell, CA 95008 (EOE) Fax: 408-374-3310, Attn: Human Resources Dept. Email: inquiry@greene-engineers.com



ACADEMIC OPENINGS

UNIVERSITAT ROVIRA I VIRGILI, TARRAGONA (Spain).

The Department of Chemical Engineering is seeking applicants for three tenure-track faculty positions at the rank of Associated Professor. Applicants must be citizens of any member state of the European Union and must have a PhD or ScD. in Chemical Engineering, Chemical, Mechanical Engineering or closely related disciplines. We seek outstanding candidates who possess the potential and commitment for excellence in undergraduate and graduate teaching and research in biotechnology, process control, transport phenomena, materials and polymers. Applicants should send a curriculum vitae, the names and addresses of three referees, and a statement of research and teaching interests to: Professor A. Fabregat, Head of the Department, Dept. Enginyeria Quimica, Escola Tecnica Superior d'Enginyeria Quimica, Universitat Rovira i Virgili, Carretera de Salou s/n, 43006 TARRAGONA, Spain. (phone 34-977559643; Fax 34-977559621, afabrega@etseq.urv.es). The final date for receipt of applications is September 31, 2001.

Chemical and Materials Engineering: The Department of Chemical and Materials Engineering, University of Alberta invites applications for a tenure track faculty position at the assistant professor level in the area of process control. The position will be available September 1, 2001 or earlier. Candidates must either hold a PhD in Chemical Engineering or related field or expect to receive one before September 1, 2001. Successful candidates will be expected to establish viable and productive research programs, and teach both graduate and undergraduate courses. The position is intended to complement our current strength in computer process control. One component of the research program will be applications of process control methods towards process and performance monitoring of industrial processes, to complement a recently awarded-NSERC Industrial Chair in Computer Process Control. Consult our web site at <http://www.ualberta.ca/CMENG/> for information about our Department and at: <http://www.ualberta.ca/~slshah/NMA.htm> for information on the NSERC industrial chair project. Details of the CPC group's recent research efforts can be accessed through electronic publications at: <http://www.ualberta.ca/CMENG/research/groups/control/reports.html>. A resume, the names of three confidential referees and a statement of current research interests and plans for future research should be sent to: Dr. Sirish L. Shah, Department of Chemical and Materials Engineering, University of Alberta, Edmonton, Alberta, Canada T6G 2G6. Applications are requested prior to July 31, 2001. The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOI/PP). The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

Postdoctoral Position, Department of Chemical Engineering, Colorado State University: A postdoctoral opening is anticipated in July 2001 for a researcher in the field of computational fluid dynamics (CFD) to be funded by a leading biomedical company. The position will involve the use of CFD codes to design new blood separation/processing devices. Significant interaction with the sponsor is anticipated. A Ph.D. in chemical engineering or closely related field, with expertise in transport phenomena and CFD is required; the successful applicant will have an interest in applying CFD methods to guide the design of new blood separation devices. Candidates should submit a letter of application, C.V. and the names of at least three references by mail to Profs. Ramil Wickramasinghe and David Dandy, Department of Chemical Engineering, Colorado State University, Fort Collins, CO 80523-1370, USA.

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