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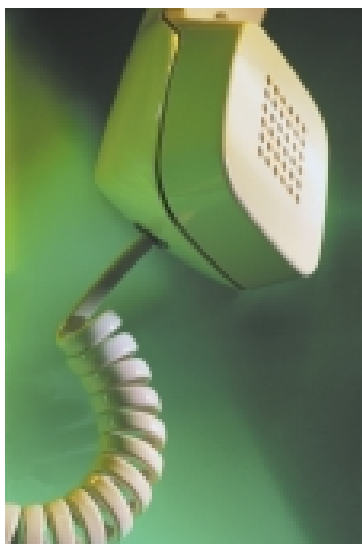
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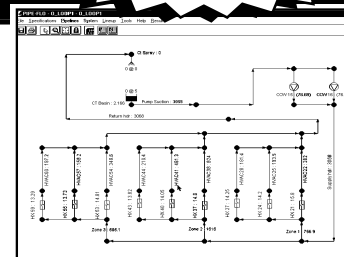


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Responsibilities will include project conception and execution in a team environment. He/She will carry out work on R&D and plant support projects in calcium hypochlorite manufacture, chlorine, caustic, and chlorinated organic compounds. The position will also include solving corrosion issues involving hypochlorite solutions, minimizing decomposition of calcium hypochlorite, both during and after manufacture, modeling and possible de-bottlenecking of plant production processes, and helping to implement intelligent process control at strategic points in the cal hypo plant. Other activities may include design experiment set-up and implementation for laboratory chlorine cells, and solving plant-related issues such as brine treatment, product purity and cost reduction. Moderate travel is expected. Most activities are based at the Monroeville Technical Center. Required qualifications include a BS degree in chemical engineering (MS in Chemical Engineering desired) and a minimum of 5 years experience in Chlor Alkali and Derivatives and related areas. In addition to possessing strong technical skills, the candidate should possess good interpersonal and presentation skills. College level knowledge of inorganic chemistry and familiarity with Microsoft applications are required. Skills in AspenPlus software is desirable. For more information about PPG, please visit our website at <http://www.ppg.com>. Forward resumes to PPG Industries, Inc., ATTN: Human Resources, 440 College Park Dr., Monroeville, PA 15146 or email to [PPGHRMTC@ppg.com](mailto:PPGHRMTC@ppg.com). Equal Opportunity Employer M/F/D/V

**DEVELOPMENT ENGINEERS, ABB Lummus Global, Bloomfield, NJ:** ABB Lummus Global, a leading technology supplier and engineering contractor serving the worldwide hydrocarbon processing industry, is currently seeking talented Senior Development Engineers for our Technology Development Center. The ideal candidate will be involved in catalyst evaluation, formulation studies, and applications in chemical and refining processes. You will provide guidance, supervision, and actively participate in the design, new construction, and operation of catalytic reactor systems. As a hands-on team member of the R&D group, you will prepare detailed data analysis and project reports, design and execute experimental programs, provide liaison with analytical laboratories and other supporting staff, and prepare management presentations. To qualify, you will need a minimum MS in Chemistry or Chemical Engineering, PhD desired, with 5+ years of experience and a proven track record in Catalyst R&D; advanced degree preferred. You must have an excellent understanding of formulation, synthesis, characterization of catalytic materials, and laboratory operations. Relevant experience in the chemicals and/or refining industry is required, along with a working knowledge of data analysis and experimental design. Experience in computer-based instrumentation control and data acquisition systems is necessary. An understanding of catalysis fields, including a background in zeolite applications, is preferred. If interested, please forward your resume to: ABB Lummus Global Inc., Human Resources Department - TDC, 1515 Broad Street, Bloomfield, NJ 07003 or e-mail resume to [donna.r.piazza@us.abb.com](mailto:donna.r.piazza@us.abb.com) or fax # 973-893-3887. We are an Equal Opportunity Employer that Recognizes the Value of a Diverse Workforce.

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## ACADEMIC OPENINGS

**LECTURER/DEVELOPMENT ENGINEER—** UCLA Chemical Engineering Department is seeking self-motivated individuals to run the undergraduate chemical engineering teaching laboratories. The candidate will be responsible for teaching laboratory courses, maintaining the existing experiments and for developing new ones. They will also train teaching assistants and students, supervise the conduct of experiments and evaluate student reports. The candidate will give lectures on topics covered in the laboratory experiments. Please send resume and relevant materials and names of three references to: Laboratory Search Committee, UCLA Chemical Engineering, 5531 Boelter Hall, Los Angeles, CA 90095. UCLA is an equal opportunity employer.

**Chemical Engineering, New Mexico Institute of Mining and Technology.** [www.nmt.edu/~cheme](http://www.nmt.edu/~cheme). New Mexico Tech, Chemical Engineering Faculty Position. New Mexico Institute of Mining and Technology seeks applicants for a tenure track faculty position in Chemical Engineering at the Assistant/Associate Professor Level. The Position will begin in August of 2001. A joint appointment with the Energetic Materials Research and Testing Center (EMRTC) is possible. Candidates with backgrounds in energetic materials and combustion modeling are encouraged. In addition to strong research potential, we are interested in candidates who can contribute to the development of an innovative undergraduate Chemical Engineering curriculum. With our high mountain-desert climate and geography, Socorro, New Mexico offers an exceptional quality of life. Details of our program and position announcement can be found at [www.nmt.edu/~cheme/](http://www.nmt.edu/~cheme/). Submit application material to, New Mexico Institute of Mining and Technology, 801 Leroy Place, Human Resources – Wells Hall Box 24C, Socorro, NM 87801. Applications should include: 1) a detailes vitae, 2) a description of teaching and research interests, and 3) the names and addresses of three references, and 4) transcripts. Applications postmarked on or before April 30, 2001 will receive full consideration. E-mail application **NOT** accepted. EOEAA.

**Tenure Track Faculty Position, Department of Polymer Engineering, The University of Akron.** The Department of Polymer Engineering at The University of Akron has an opening for a tenure track faculty position. Applicants must have a Ph.D. in engineering or science related to polymer discipline. The rank and field of specialization are open, but preference will be given to research areas involving reactive polymer processing, numerical computations, polymer nano-technology, or biopolymer technology. Further information may be obtained from the department web site at: [www.poly-eng.uakron.edu](http://www.poly-eng.uakron.edu). Interested individuals should send a resume including the names of three references, a list of research publications, statement of teaching and research interest, and copies of selected papers (not more than five) to **Professor Thein Kyu, Search Committee Chairman, Department of Polymer Engineering, The University of Akron, Akron, OH 44325-0301.** Applications will be considered until the position is filled. The University of Akron is an Equal Education and Employment Institution.

**Department of Chemical Engineering, Tunghai University, Taichung, Taiwan, R.O.C.** Assistant Professor, Associate Professor or Professor of Chemical Engineering. Ph.D. in Chemical Engineering or closely related field. Research areas are: (1) bioengineering, biotechnology or gene engineering. (2) process integration and/or thermodynamics, working experiences in the related area is much more desired. A complete application consists of: (1) curriculum vitae (2) undergraduate and graduate transcripts (3) research and teaching plans (4) three letters of recommendation (5) copies of relevant publications. Send all applications to: Faculty Selection Committee, Department of Chemical Engineering, Tunghai University, 181, Taichung Kang Road, Sec. 3, Taichung, Taiwan 40704, R.O.C. Complete application must be received by 31st, April, 2001 for August 2001 consideration. Ladies are strongly encouraged to apply.



**The Department of Chemical Engineering at Ohio University** invites applications for a tenure-track faculty position commencing in 2001. The level of appointment is open. Salary and level of appointment will be commensurate with qualifications and experience. The Department seeks applicants with a commitment to excellence in undergraduate and graduate education and research interests in the area of corrosion and multiphase flow. Specifically, the successful candidate will be expected to establish a research program and work with faculty and staff associated with the Institute for Corrosion and Multiphase Technology. The Institute is home to several research centers including the NSF I/UCRC Corrosion in Multiphase Systems Center and the Center for Flow Improvement. Additional information about the Institute can be found at:

<http://webche.ent.ohiou.edu/CorrosionCenter/index.html> The successful candidate will possess a Ph.D. in chemical engineering or closely allied field and will be expected to develop a strong, externally-funded research program. The Department offers degrees through the Ph.D. and currently has nine full-time and one part-time faculty. Additional information about the Department can be found at: <http://webche.ent.ohiou.edu/> Please send a letter of application, resume, statement of teaching and research interests, and the names, addresses, and telephone numbers of three references to Michael E. Prudich, Search Committee Chair, Department of Chemical Engineering, Ohio University, Athens, OH 45701-2979. Review of applications will begin immediately and proceed until the position is filled. Applications received by May 15, 2001 will receive full consideration. Electronic-mail inquiries can be directed to [prudich@ohio.edu](mailto:prudich@ohio.edu), but all application materials must be submitted via the regular mail. Ohio University is an equal opportunity, affirmative action employer.

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**Department of Biomedical Engineering, Faculty Positions:** The Department of Biomedical Engineering at USC is engaged in a major expansion of its research and educational programs, supported through the

School of Engineering, the Alfred E. Mann Institute and a Special Opportunity Award from the Whitaker Foundation. For the first phase of this expansion we invite applications for **tenure-track faculty positions at all levels** in the area of **device/diagnostic technologies**. The successful candidates in will provide leadership in establishing research and educational programs leading to the next generation of biomedical device and diagnostic technologies. Areas of interest include molecular and chemical sensing; biochemical, mechanical, optical microsystems; smart sensor and diagnostic technologies; implantable devices. Faculty will have the opportunity to work with the technology development professionals of the Alfred E. Mann Institute for Biomedical Engineering at USC, to translate their fundamental research discoveries into commercially viable biomedical technologies. Applicants should submit a curriculum vitae and research/education statement along with suggested references to: **David Z. D'Argenio, Chair, Department of Biomedical Engineering, University of Southern California, Los Angeles, CA 90089-1451**. The University of Southern California is an Equal Opportunity/Affirmative Action Employer.

**Post-doctoral Research Associates:** Two post-doctoral Research Associate positions are available in the Department of Biological Systems Engineering at Washington State University. First position: investigating technologies and processes for converting animal waste into chemical by-products; second position: conducting research related to water recirculating aquacultural systems and technologies for high-flow, low concentration aquaculture effluent treatment. Required: PhD in related engineering disciplines and relevant background. Desired: excellent communication skills. Screening of candidates will begin May 1 and continue until the position is filled. To apply, please send a letter of interest and a resume to Dr. Shulin Chen, Department of Biological Systems Engineering, Washington State University, P.O. Box 646120, Pullman, WA 99164. E-mail: [chens@wsu.edu](mailto:chens@wsu.edu). EEO/AA/ADA

**Distinguished Visiting Professor, Chemical Engineering:** The College of Science and Engineering at the University of Minnesota Duluth is seeking applicants for the 2002 3M McKnight Distinguished Visiting Professor in the Department of Chemical Engineering. The visiting professor will teach an undergraduate course within her or his area of expertise, give public lectures or a short course to a professional audience and establish outreach activities with various local industries. The area of expertise is open; the areas of chemical process control and optimization are preferred. Northeastern Minnesota is home to a large iron ore industry, whose main activity is the mining and processing of taconite. Current research within the Department seeks to improve the efficiency of taconite pellet production; recent economic events bring this research to the fore. Other research includes environmental and electrochemical engineering. The pulp and paper industry is another major economic force in the region. The successful candidate will have: 1) at least ten years' experience, one year of which should be industrial, 2) a strong background in research and development, and 3) university level teaching experience, or equivalent mentoring and instructional experience in industry. A Ph.D. in chemical engineering or a related field is preferred; a bachelor's degree in engineering, the physical sciences or mathematics is required at a minimum. The appointment is held in the Department of Chemical Engineering during the spring semester (January - May, 2002) or fall semester (September-December, 2002); it offers a competitive salary with relocation expenses. The complete application comprises a letter of application, a resume and names of three references; this should be sent to Dr. Keith Lodge, McKnight Search, Department of Chemical Engineering, University of Minnesota Duluth, 10 University Drive, Duluth, MN 55812-2496. The review of complete applications will begin on April 23, 2001. Departmental information is available at <http://www.d.umn.edu/che>. The University of Minnesota is an equal opportunity educator and employer.



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[inhouse@niche.org](mailto:inhouse@niche.org)

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