

**to advertise in this  
classified section**

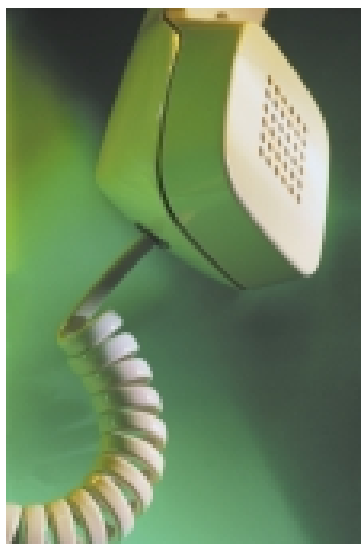
e-mail

danij@aiche.org

or call

Daniel Johnson

212.591.7683



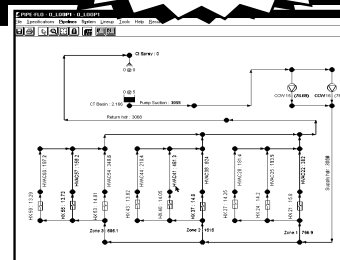
## PIPE-FLO®

Design • Analyze • Troubleshoot

Download Our Free Demo at  
[www.eng-software.com/cep](http://www.eng-software.com/cep)

### Fluid Flow Software From the World's Leader!

- **Draw** the system flow sheet with no program limits
- **Size** pipelines using pipe, valve, and fluid electronic data tables
- **Select** pumps from manufacturers' electronic catalogs
- **Visualize** how the pipelines, components, pumps and controls work as a system
- **Troubleshoot** the system to identify, isolate and correct problem areas



ENGINEERED SOFTWARE

(800) 786-8545

*Giving Vision and Solutions to Fluid Piping Systems*

Circle No.473 on Reader Inquiry Card

## DESIGN II for Windows™

*Rigorous process simulation for Chemical and Hydrocarbon processes including Refining, Refrigeration, Petrochemical, Gas Processing, Gas Treating, Pipelines, Ammonia, Methanol and Hydrogen Facilities*

- New 8.3 Release with improved user interface
- Visual Basic Interface
- 50 Thermo Methods/880 Component Database
- Crude & Multi-Component Distillation Towers
- Flash Vessel Sizing / 2 Phase HX Rating
- Crude Feeds (ASTM D-86/1160, TBP)
- Automatic Output to Microsoft® Excel

Lease Basic Package for \$999/year

Download complete version at:

[www.winsim.com](http://www.winsim.com)

**WinSim, Inc.**

P.O. Box 1485, Houston, TX 77251

Email: [sales@winsim.com](mailto:sales@winsim.com)

Phone: 281-945-4700 Fax: 281-945-7593

Circle No.452 on Reader Inquiry Card

## Classified Listings

### POSITIONS AVAILABLE

KCC is a leading global supplier of custom built process modules and consultancy services to the Oil & Gas Industry. Our products include Separation, Dehydration, Sweetening and Conditioning Plants for difficult applications. Our expanding Houston office requires:

**PROPOSALS MANAGER:** With around 10-20 years experience, you will be familiar with the process and mechanical design of a range of process equipment, and be responsible for delivering cost effective solutions to meet customer requirements. **GRADUATE**

**ENGINEERS:** With 0-2 years experience required for our proposals and projects departments, where you will assist our senior engineers and receive training to become familiar with all aspects of packaged process plant design and construction. KCC offers a good salary package including performance bonuses. Interested candidates should send their resume/CV to the above address. KCC PROCESS EQUIPMENT, 1500 South Dairy Ashford, Suite 110, Houston, Texas 77077. fax: 281 293 7949

e-mail: [konojaife@kccprocess.com](mailto:konojaife@kccprocess.com). [www.kccprocess.com](http://www.kccprocess.com).

**Project Manager:** Validation needed immediately with Bayer Corporation's Pharmaceutical Manufacturing Facility in Clayton, North Carolina. Will manage and direct project validation activities associated with multiple validation projects plant-wide. Will manage priorities and contract manpower, maintain project schedules and budgets. Must ensure validation compliance to meet multi-national regulatory requirements. Requires a BS degree in Engineering, and 8-10 yrs of validation experience. Proven project management and contractor management is essential for this position. Must be experienced in a multi-national regulatory environment (FDA, MCA, PEI, RP, etc). Experience with both CBER & CDER organizations is highly desired. The incumbent must have the skills necessary to coordinate validation activities with managers, supervisors, and technicians/operators of production and QA departments. The position requires the ability to direct and develop personnel under his/her direct supervision as well as the proven ability to influence and direct activities of personnel and functions for which this person has no formal authority. The ability to communicate effectively with staff and production personnel at all levels is essential. Job code number AISC0642. Please forward your resume to [mike.salome.b@bayer.com](mailto:mike.salome.b@bayer.com).



**Thermatrix Inc.** has an immediate opening for an Applications/ Process Engineer to support our sales and marketing efforts in our Knoxville, Tennessee office. The successful candidate will be a chemical engineer with 10 years experience, capable of identifying customer needs, recognizing conflicting client requirements, interpreting design documents and drawing valid conclusions in the application of proprietary Thermatrix FTO technology. Sales and marketing experience required. Professional registration is a plus but not required. Manage the preparation and delivery of definitive level proposals and perform screening work using client fume data to predict Oxidizer size and type. Prepare Process Flow Diagrams & Stream Tables, data sheets and P&IDs, balancing process requirements, economic considerations, operator requirements and physical and health considerations. Independently prepare budget level proposals using standardized sales tools. Send resume and salary requirements to [pam.field@thermatrix.com](mailto:pam.field@thermatrix.com) or fax to 865. 691-7903.

**We are a retained executive search firm** working with a highly successful pharmaceutical company in Massachusetts. They are looking for a Senior Process Engineer to contribute to the design, development and production of compounds for key pharmaceutical improved chemical entity and new chemical entity targets. We need either an MS or PhD in Chemical Engineering and about 5 years of process research and development experience. Compensation is negotiable and relocation benefits are available. Contact: Diane Green, T H Borman Associates Inc., (tel) 727-944-3113, (fax) 727-944-4092, (email) [dgc@thbai.com](mailto:dgc@thbai.com)

**A great opportunity awaits you!** Goulston Technologies, Inc. has established itself as the largest dedicated supplier of fiber lubricants to the US Fiber Industry. Combined with our parent company, Takemoto Oil & Fat (Japan), we have created the premiere source of fiber lubricant technologies in the world! We are seeking an International Sales Manager to lead our European operations. This position is based out of Monroe, NC and requires travel to the Europe area at least 4-5 times per year. The qualified applicant will possess a Bachelor's Degree in Chemical or Mechanical Engineering, Chemistry, or a closely related field. Also, applicants should possess at least 3-5 years of industry experience. Applicants should be technical problem-solvers, have good communication skills, and the

ability to negotiate. Competitive wages and benefits package. Submit your resume to the following: Goulston Technologies, Inc., Attn: HR Manager, P.O. Box 5025, Monroe, NC 28105, fax: (704) 296-6410, email: [ssons@goulston.com](mailto:ssons@goulston.com). GTI is an EOE and a drug-free workplace. Visit our website at [www.goulston.com](http://www.goulston.com). No phone calls please.

**Chemical lab technician;** area of employment: Englewood, CO; Duties: Wet process in the chemistry department; plater & lab analysis; conducts chemical tests & analyzes test data; sets up lab equipment & instrumentation required for tests, research & process control; tests & analyzes products to determine chemical content & other characteristics; documents results; prepares chemical solutions for use in processing; must be able to work overtime; Education (minimum): high school diploma; Experience: 4 years; Terms: 35 hrs/week, 9:00am-5:00pm; overtime: as needed; rate of pay: \$17.16/hour, overtime \$25.74/hour; Send resume only (no phone calls) to: Colorado Department of Labor and Employment, Employment Programs, Two Park Central, 1515 Arapahoe Street, Suite 400, Denver, CO 80202-2117. Attn: Jim SHIMADA, order #: JL117083; NOTE: Applicants must have proof of legal authority to work in the U.S.

**PROCESS/production/process design/operations & technical management/process control** petrochem/refining/gas/hydroprocessing/NH3/polymers/specialty S56-120K.  
**TECHNICAL SALES/marketing technical service chemicals/refinery/paper/power/food industries - specialty & commodity chemicals/polymers/catalysts/equipment S60-96K +.**  
**CONSULTING** refining/gas/petrochem/upstream S100K+. **GRESHAM & GRESHAM** Box 820888, Houston, TX 77282. Est. 1966, AIChE, ISA, TAPPI. Confidential/ call home/nationwide (713) 780-1000. fax 781-3300 [gresham@pdq.net](mailto:gresham@pdq.net)

**Seeking experienced olefins engineer** with 8-10 years in olefins, as technical expert for unit of manufacturing plant. Midwest location (Iowa), four seasons, boating on the Mississippi. Lyondell/Equistar pays at 75th percentile, bonus, relocation including third-party home buying. Fax 319-244-2580 or e-mail [janet.cleveland@lyondell.com](mailto:janet.cleveland@lyondell.com).

**Technical Sales Specialist** - South Carolina - Candidate should have 8+ years experience in sales with a BS in Chemical Engineering, Chemistry or Business. Candidate will be responsible for developing sales strategies, analyze market information, develop sales forecast, maintain customer accounts and develop new accounts in Spandex/fibers division. Excellent pay and benefits. Email: [recruit@aide.com](mailto:recruit@aide.com) or fax 864-322-1040.

**General Mills seeks a Staff Engineer.** Position Responsibilities: Serve as a resource for the development and execution of processing system productivity improvements and cost reductions. Conduct unit operations studies to gain system knowledge, improved efficiencies, and reduce losses. Develop and direct training in system operations, yogurt chemistry, and technology. Serve as a technical resource to assure that new product/process test and start-ups are designed and executed properly, and effectively communicate technical knowledge and changes. Improve systems unit operations through the development, testing and implementation of technological improvements to current systems. Share responsibility for establishing and documenting system and unit operations standards. Assume primary responsibility for assuring that all systems improvements and changes meet current standards. Act as a resource for plant engineers, divisional R&D, and engineering design for existing system improvements, new system designs, and standardization. Participate in the divisional and corporate system engineering programs. This position requires relocation and some travel. Position Requirements: Requires a Bachelor's of Science Degree in Chemical Engineering or Food Science. Requires at least one year of experience in consumer foods manufacturing systems operations. For consideration, forward your resume and salary history to General Mills, HR Department: Staff Engineer Position, 1055 E. Sandhill Ave., Carson, CA 90746. No phone calls please. An Equal Opportunity/Affirmative Action Employer.

**CHEMICAL ENGINEERS: Chemical Technology Support**-Fuels refinery process/operations. **Chemical Technology Support,** Experience refinery operations. Science Research & Development - **Chemical Engineer:** Design fuel pilot plant. Refining/catalysis research. Pilot Planr- Design/conduct operations of fuel technologies. **THE ULTRA GROUP:** [www.TheUltraGroup.com](http://www.TheUltraGroup.com) [HR@TheUltraGroup.com](mailto:HR@TheUltraGroup.com)

**Beverage Equipment Development:** International food manufacturer seeks BS chemical / mechanical engineer to manage projects involving beverage dispensing / vending systems. Requires five - ten years in food process development. Northeast. Susan Latuszynski OPUS International Executive Search 800-488-2611. [SusanL@foodscience.com](mailto:SusanL@foodscience.com).

*Heat Transfer Research, Inc. (HTRI), an international engineering research and development consortium located in College Station, Texas, seeks candidates for a research position. Founded in 1962 as a collaborative research venture, HTRI provides its 240 members with the world's most advanced heat transfer and fluid flow technology and software.*

## Research Engineering Staff

Individual will conduct proprietary experimental and analytical research. HTRI's research focuses on heat and mass transfer, two-phase flow, boiling, condensation, fouling, and vibration.

### Qualifications:

- Ph.D. in Chemical or Mechanical Engineering with a concentration in heat transfer, fluid dynamics, and thermodynamics; will consider candidates with an M.S. who have three years of relevant industrial research experience
- Dissertation/thesis research related to heat transfer in the petroleum, chemical, or petrochemical process industry
- Experience using CFD programs
- Excellent communication skills (both written and oral) and record of professional publications
- Permanent authorization to work in the United States

### Initial assignments:

- Conduct research on
  - ▶ fouling in various types of heat transfer equipment
  - ▶ non-tubular heat exchangers
  - ▶ flow-induced vibration
- Write technical reports, make presentations, and prepare proposals for contract work

Submit résumé and letter of application to

Breaux Daniel, Director of Human Resources  
Heat Transfer Research, Inc.  
1500 Research Parkway, Suite 100  
College Station, TX 77845  
Telephone: 979-260-6229 Email: [sbd@htri.net](mailto:sbd@htri.net)




EOE

### Shell and challenging careers. Synonymous the world over.

Supply Chain Planning & Scheduling Professionals. At Shell we're committed to change in every aspect of our organization in order to compete in the new world economy. As one of the main divisions of the Group, Oil Products shares this commitment by constantly striving to maximize the overall supply chain margin of its worldwide Manufacturing Supply and Distribution assets, as well as its Marketing and Trading operations. Central to achieving this are the integrated services and support provided by Shell Global Solutions International -our technology division. Working with both Shell and non-Shell clients in the gas, refining, chemicals and many other related industries, it's essential that we continue expanding resources in the areas of Supply Chain Optimization and recruit more world-class professionals. Based in The Hague (Netherlands), in our "Zonal organizations"(London for Europe, Singapore for Asia and Oceania), and at local Manufacturing, Supply and Distribution sites, all positions involve direct interaction with the commercial and trading organizations. **Planners:** Consistently monitoring performance and appraising procedures, you'll prove to be a positive influence in supply (LP) and demand planning, as well as crude/product economics. **Schedulers:** With previous experience and an impressive track record within the areas of refinery and distribution, you'll play an integral role from day one.

**Consultants:** Already familiar with supply chain tools and procedures, you'll act as both an implementation consultant and a solutions architect - continually pursuing change and improvement. This is likely to involve extensive business travel and short assignments on customers' sites. You should be a customer-focused individual with a degree in computer science/information systems, good presentation skills and a keen interest in advanced IT techniques. **Project Managers:** Taking the occasional short assignment on customers' sites, the roles are likely to involve some business travel. Your principal challenge will be to manage rollout projects of decision support tools for supply chain management, which will require a strong customer orientation, excellent presentation skills and a passion for advanced IT techniques. Essentially, we're looking for strong team players with a degree in Chemical/Mechanical Engineering or business economics. To this you should add at least three years' experience in the Oil industry and a sound understanding of refinery operations and economics, primary distribution and commercial marketing. And, if you combine this with proven analysis, communication and change management skills, fluency in English and plenty of ambition, Shell can open up incredible career opportunities worldwide. We're also interested in applications from Mandarin speaking professionals. To apply, please email your CV and a covering letter to: [Response@si.shell.com](mailto:Response@si.shell.com) indicating the position to which you're applying, **quoting reference 1173**. Thinking about a better future? [www.shell.com/careers](http://www.shell.com/careers)

**Process Engineer - Filling & Packaging** needed immediately with Bayer Corporation's Pharmaceutical Manufacturing Division located in Clayton, NC: This position supports the Filling (aseptic filling & freeze drying) and Packaging operations for the site, participates and advises in regards to expansions, improvements and modifications to these operations, develops and implements process changes and new processes that optimize the effectiveness of present equipment. The incumbent will be responsible for all filling and Packaging problem identification, capital planning and prioritization, preliminary designs and estimates, development of Authority for Expenditures (AFE's), execution of Requests for Engineering (RFE's), procurement, construction, commissioning and start-up. Requires a BS degree in Mechanical or Chemical Engineering with a minimum of 4 years of plant engineering experience in the pharmaceutical or biotechnology industry. Work experience with aseptic processing techniques, filling and packaging operations is required. A working knowledge of both the lyophilization process and lyophilizer equipment specification and installation is desired. In addition, knowledge of cGMP's and equipment validation is desired. Incumbent must possess excellent written and verbal communication skills. Job code number AISC0888. Please forward your resume to [mike.salome.b@bayer.com](mailto:mike.salome.b@bayer.com).



# Be on the Cutting Edge

**IdaTech™** is a fast-growing development and manufacturing company that is an emerging leader in the fuel cell industry. We are seeking a solid team player capable of communicating concepts clearly and concisely in written and verbal form, who is interested in being part of a state-of-the-art company in the following position:

## Senior Chemical Engineer

This self-starter is responsible for design and development of compact, state-of-the art hydrocarbon-based hydrogen-fuel processors. Qualified candidates have five to 10 years experience—at least two in project management. Position requires: B.S.Ch.E. or equivalent; detailed knowledge of reactor design, heat and mass transfer, heterogeneous catalysis and thermodynamics; familiarity with steam reforming process.

Helpful: advanced degrees; working knowledge of auto-thermal and partial-oxidation reforming; experience in scaling-down technologies; professional engineering registration.

Beyond the benefit of living in one of the world's most popular year-round resort communities, IdaTech™ team members enjoy outstanding wages and a comprehensive benefit plan.

Please send your resume to Human Resources, attn.: Sarah, P.O. Box 5339, Bend, OR, 97708 or e-mail [sashley@idatech.com](mailto:sashley@idatech.com)

**IDATECH™**  
An IDACORP Company  
[www.idatech.com](http://www.idatech.com)  
An Equal Opportunity Employer

**ENGINEERING MANAGER:** SEH-America is the world's largest manufacturer of silicon wafers for the semiconductor industry [www.seh-america.com](http://www.seh-america.com). We have an immediate opening for an experienced Engineering Manager at our Vancouver, WA facility (Portland metropolitan area). You will lead a group of engineering supervisors, process engineers, and technicians in a state-of-the-art high technology, team-based environment. You should have at least 5 years of engineering management experience in the semiconductor or related technical environment and knowledge of SPC, DOE and other process improvement methodologies. At least a BS in Chemical Engineering is required. Please send a cover letter describing your background and qualifications and a resume to: [girs@teleport.com](mailto:girs@teleport.com) or fax to 503-651-2208 by March 5, 2001. Come join the best!

**QA Engineers,** recent graduate to P.E., for temporary assignment, approximately 10 months, in Los Angeles area, to do permitting. Email resume as word attachment, with hourly rate requirement to [mort@ecbonline.com](mailto:mort@ecbonline.com).

**R&D Technician:** Heraeus Metal Processing, Inc. is a refiner and recycler of metal products. We currently have an opening for an R&D Technician in our Chemical Products Department. This hands-on position is responsible for the development and improvement of new precious metal compounds. Experience in chemical synthesis, chemical or petroleum industry preferred. Organometallic synthesis a plus. B.S. in Chemistry or Chemical Engineering preferred. Apply in person M-F 9:00am to 3:00pm or mail/fax resume to: HERAEUS METAL PROCESSING, INC., Attn: CP/R&D TECH, 15524 Carmenita Road, Santa Fe Springs, CA 90670. Fax 562-802-2112. EOE M/F/D/V





**Process Engineer:** Heraeus Metal Processing, Inc. is a refiner and recycler of metal products. We currently have an opening for a Process Engineer in our Chemical Products Department. Responsibilities include design and implementation of process improvements for manufacturing and existing compounds and design and implementation of manufacturing processes for new compounds and catalysts. Ability to obtain appropriate environmental permits for process additions and modifications. This is a hands-on position. Prefer 3-7 years in chemical or petroleum industry and B.S. in Chemical Engineering. Environmental permitting experience a plus. HERAEUS METAL PROCESSING, INC. Attn: CP/PROCESS ENG, 15524 Carmenita Road, Santa Fe Springs, CA 90670. Fax 562-802-2112. EOE M/F/D/V

**FACILITIES ENGINEER-** Raleigh, NC: The Maintenance Manager will select and train new mechanics; oversee contractors, building facilities and installation of equipment; maintain supplies. Requirements: degree- Chemical Engineering and five + years maintenance experience. Salary: \$80-90. Contact: Leigh Roberts at [kight@wave-net.net](mailto:kight@wave-net.net) or 919-775-1964

**Engineer I, (One-Year Temporary Position).** The National Renewable Energy Laboratory (NREL) in Golden, Colorado is the nation's primary federal laboratory for research, development and deployment of renewable energy and energy efficiency technologies. We are currently seeking an Engineer I to be part of our team. Duties include interpreting and analyzing research data utilizing computer simulation models (Aspen Plus), participating in conceptual process design using experimental data, developing databases, preparing reports and presenting results. Requirements are a BS in Chemical Engineering or equivalent experience. Prefer experience with biotechnology processes. Knowledge of Aspen Plus or other simulation software. For more information, please see our website at [www.nrel.gov](http://www.nrel.gov). Please send resume and cover letter to: NREL, Human Resources, Req # 778, 1617 Cole Blvd, Golden, CO 80401. email: [NREL\\_Employment@NREL.gov](mailto:NREL_Employment@NREL.gov), fax to 303-384-7570.

## Rutgers - The State University of New Jersey PROFESSOR IN ENVIRONMENTAL SCIENCES AND ENGINEERING

As part of an expansion of its environmental engineering program in Cook College (CC) and the School of Engineering (SOE), Rutgers - The State University of New Jersey, is seeking a distinguished scholar of international stature, with a record of excellence in research and teaching. The candidate will play a central role in an initiative of excellence in Environmental Sciences and Engineering jointly sponsored through CC and SOE. This is the first of six Environmental Engineering faculty positions (one at the Full Professor level and five at the Assistant Professor level) to be filled in the next 2-3 years.

We seek an individual with the following qualifications:

An established reputation for scholarship in the field of environmental engineering and sciences;

A record of excellence, accomplishment and leadership in the field;

Recognized strength in education.

We anticipate that the candidate will:

Lead a strong research program in environmental engineering and sciences with a presence in both CC and the SOE;

Provide leadership and teach in the undergraduate and graduate programs in environmental engineering;

Play a key role in the recruitment of five assistant professors and in defining the vision and plan that will strengthen the environmental engineering and sciences programs at the University.

Applications should include a statement of research and teaching interests, a curriculum vitae, and names, addresses (including electronic) and telephone numbers of 5 references to: Roni Avissar, Chair, EESC Rutgers University 14 College Farm Road, New Brunswick, NJ 08901-8551. Electronic submission of all requested material to [search@envsci.rutgers.edu](mailto:search@envsci.rutgers.edu) is preferred. Review of applications will begin March 15, 2001, and continue until the position is filled. For more information on Rutgers University, please consult our Website at <http://www.rutgers.edu>.

Rutgers University is an Equal Opportunity/Affirmative Action Employer.

**PROCESS R&D CHEMIST:** Heraeus Metal Processing, Inc. is a refiner and recycler of metal products. We currently have an opening for a Process R&D Chemist. This hands-on position requires involvement in developing lab, pilot and large-scale processes as well as training operators on new/improved processes. The position coordinates with laboratory, engineering and production staff to improve yield and cycle time of current processes. Additional responsibilities include procedure writing and hazard operations and related field and 5+ years of related experience. Apply in person M-F 9:00am to 3:00pm or mail/fax resume to: HERAEUS METAL PROCESSING INC., Attn: R&D CHEMIST, 15524 Carmenita Road, Santa Fe Springs, Ca 90670. Fax 562-802-2112, EOE M/F/D/V

## ACADEMIC OPENINGS

**Bucknell invites** applications for an 18-month temporary position, with the possibility of a one-year extension, as visiting assistant professor in the chemical engineering department beginning January 2002. A doctorate in chemical engineering and a commitment to excellence in teaching are required, with an undergraduate degree from an ABET accredited (or equivalent) program preferred. Industrial experience desirable. The successful candidate will have the ability to teach courses across the chemical engineering curriculum. Applications will be reviewed as received and will continue to be accepted until the position is filled. Send curriculum vitae, a statement of teaching interests and names of three references to Dr. James Pommersheim, Search Committee Chair, Department of Chemical Engineering, Bucknell University, Lewisburg, PA 17837. Bucknell University encourages applications from women and members of minority groups (EEO/AA).

**Materials Science Position:** Bucknell University invites applications for a one-year temporary position, with the possibility of a one-year extension, as visiting assistant professor in the chemical engineering department beginning Fall 2001. A primary responsibility will be introductory materials science instruction for undergraduate students of chemical, electrical, and mechanical engineering. Successful candidate will also have opportunity to direct undergraduate research projects, and provide instruction in core chemical engineering topics or area of specialization. A doctorate in engineering and a commitment to excellence in teaching are required. Industrial experience desirable. Applications will be reviewed beginning in late February and will continue to be accepted until the position is filled. Send curriculum vitae, concise statements of teaching and research interests, and names of three references to Dr. Jeffrey Csernica, Search Committee Chair, Department of Chemical Engineering, Bucknell University, Lewisburg, PA 17837. Bucknell University encourages applications from women and members of minority groups (EEO/AA).

**DEPARTMENT CHAIR,** Department of Chemical Engineering, Michigan Technological University. Nominations and applications are invited for the position of Chair of the Department of Chemical Engineering. The department seeks an individual who has a demonstrated record of scholarly and administrative achievement, and a professional stature consistent with the rank of a tenured professor. The Chair is expected to have a strong personal vision for excellence in engineering education, research, and service and to communicate this vision effectively to students, faculty, staff, alumni and the administration. Potential candidates would also be eligible for the Mack Endowed Chair in Bioengineering, if research interests are compatible. Michigan Technological University is one of Michigan's four designated research institutions with a 100 year tradition of excellence in engineering education. The university has more than 6000 students, two-thirds of which are engineering students. The Department of Chemical Engineering has 15 faculty with expanding doctoral programs in process design and analysis, process control, process safety, polymer materials and processing, rheology, surface science and catalysis, thermodynamics and physical properties, and environmental and bioengineering. Michigan Tech is located in the beautiful Upper Peninsula of Michigan, with abundant opportunities for outdoor recreation. Further information about the university, department and geographic area can be found on the department web site at: [www.chem.mtu.edu/chem\\_eng/](http://www.chem.mtu.edu/chem_eng/). Applications, nominations, and inquiries should be sent to: Prof. Daniel A. Crowl, Search Committee Chair, Department of Chemical Engineering, 1400 Townsend Dr., Houghton, MI 49931 (phone: 906-487-3221; fax 906-487-3213; email: [crowl@mtu.edu](mailto:crowl@mtu.edu)). Applications should include a detailed curriculum vitae and the names and addresses of at least three references. The Search Committee will review applications on a continuing basis and will accept applications until the position is filled. Applications from minority and women candidates are strongly encouraged. Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer.

**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.

**Position:** Junior/Senior Faculty; **Institution:** University of Idaho. **Location:** Moscow, Idaho. The Department of Chemical Engineering at the University of Idaho is seeking applicants for a tenure-track faculty position (Fall of 2001) at the rank of Junior or Senior Faculty. We are seeking outstanding applicants who have a commitment to excellence in both undergraduate and graduate teaching and a commitment to pursue a nationally recognized, externally funded research program. All areas of research in Chemical Engineering will be considered, including expertise in the area of materials, thermodynamics, computational methods, interfacial phenomena, transport science or environmental science and related areas. Candidates will also be expected to interact with researchers in related areas to develop interdisciplinary research. In addition, candidates are expected to provide innovative and quality teaching that integrates research with instruction at undergraduate and graduate level. Industrial experience is a plus. Applicants must have an earned Ph.D. in Chemical Engineering by date of hire. All applicants must include a curriculum vitae and a statement of research and teaching goals. In addition applicants must include the names of at least three references. Applications for this position will be reviewed starting April 15th, 2001 until the position is filled. Offer of employment contingent upon verification of the individual's eligibility for employment in the United States. Send a letter of application, your curriculum vitae, statement of research and teaching goals, and names and telephone numbers of three references to: Dr. Roger Korus, University of Idaho, Chair of Faculty Search Committee, Department of Chemical Engineering, P.O.Box 441021, Moscow, ID 83844-1021. You can find out about the department and the university by visiting [www.uidaho.edu](http://www.uidaho.edu). You can also find out about Moscow by visiting [www.moscow.com](http://www.moscow.com).

**Chemical Engineering Tenure-Track Faculty Position:** Ph.D. in Chemical Engineering and commitment to excellence in teaching and research are required. Research areas are: (i) bioengineering, pharmaceutical, food; (ii) energy and environmental engineering; (iii) materials interfaces, electrochemical; (iv) polymers. Starting date Fall semester of 2001. Major responsibilities will include developing a strong, externally-funded research program, teaching undergraduate and graduate courses, and helping to establish a vigorous Ph.D. program. Hiring package will be based on qualification, but it generally consists of seed money, computer hardware and software, and laboratory equipment. A complete application will consist of a cover letter, curriculum vitae, undergraduate and graduate transcripts, research and teaching planning, three letters of reference, and copies of relevant publications. Send all application materials to: Dr. Guillermo Colon, Chairman, University of Puerto Rico, Department of Chemical Engineering, Mayaguez, PR, 00681-9046. Complete applications should be received by April 1 2001 for August 2001 consideration; applications accepted thereafter until the positions are filled. The University of Puerto Rico is an Affirmative Action/Equal Opportunity Employer. Women are strongly encouraged to apply.

**Assistant or Associate Professor of Chemical Engineering.** Revised announcement as search is continuing. Preferred starting date is no later than August 2001. Candidates must hold, or be expected to receive by their starting date, a Ph.D. in Chemical or Biochemical Engineering. The successful applicant has an exciting opportunity to leverage recent industrial grants to develop a regionally recognized Biochemical Engineering program. A commitment to excellence in teaching undergraduate/graduate courses in chemical and biochemical engineering is desired. Industrial and teaching experience as well as a commitment to pursue sponsored research are desirable. As a term position, its contracts is renewable dependent upon performance and funding. As the program excels, it is anticipated that an opportunity to make application for a tenure-track position will occur in one to three years. Visit our web site at [www.sdsu.edu](http://www.sdsu.edu). Send letter of application, resume and names of three references to: Dr. M. Steven McDowell, Chair, Department of Chemistry and Chemical Engineering, South Dakota School of Mines and Technology, 501 East St. Joseph Street, Rapid City, SD 57701-3995. Applications are being reviewed and will continue until the position is filled. SDSMT is an EEO/AA/ADA employer and provider.

**Illinois Institute of Technology (IIT)**, a Ph.D.-granting university located near Downtown Chicago, invites applications and nominations for the **Henry R. Linden Endowed Chair in Chemical and Environmental Engineering**. The Chemical and Environmental Engineering Department (ChEE) is seeking applicants with a proven record of leadership in research and education in at least one of the areas of energy, environment or industrial ecology. The holder of this chair will become IIT's spokesperson for its thrust to make sustainability of the global enterprise the key concept in its engineering, business, architecture, design and law curricula. The ChEE Department has 24 faculty members, and approximately 130 undergraduates and 190 graduate students. The department offers bachelor's, master's and Ph.D. degrees in both chemical and environmental engineering. The annual department research budget in recent years has been more than 2 million dollars, with research programs in energy, environmental engineering, polymer technology, electrochemical science and engineering, particle technology and bioengineering. An applicant should possess an earned doctoral degree in engineering or a related discipline and be an internationally recognized scholar in sustainability of the global enterprise. Review of applications will begin in April 2001 and will continue until the position is filled. Applicants are asked to submit a brief description of research interests, a detailed curriculum vitae, and the names, addresses, e-mail addresses and telephone numbers of at least three professional references. Please send your application to: Professor Hamid Arastoopour, Chair, Search Committee, Illinois Institute of Technology, 10 West 33rd Street, Chicago, IL 60616. e-mail: [arastoopour@iit.edu](mailto:arastoopour@iit.edu) Additional information about the ChEE Department can be found at <http://www.ch ee.iit.edu/> Illinois Institute of Technology is an equal opportunity/affirmative action employer.

**Engineering, Faculty of Engineering Science, The University of Western Ontario. Sponsored by the Ontario Research and Development Challenge Fund.** A chair program on ultrafine powder technology has been established recently in the Department of Chemical and Biochemical Engineering, Faculty of Engineering Science, The University of Western Ontario. This program is sponsored by the Ontario Government through its Research and Development Challenge Fund. This is initially a five year program, with the possibility of renewal. Applications are invited to occupy a junior chair in ultrafine powder technology. The junior chair will be a 5-year non-tenured faculty position at the Assistant or Associate Professor level. The successful candidate should have a PhD in chemical engineering or a related discipline, with strong background on fluidization, powder technology and ultrafine powder processing. Additional background in either the pharmaceutical or the coating industry would be an asset. Industrial experience is very desirable. Applicants should have a strong research record, excellent communication and teaching skills, and be eligible for registration as a professional engineer in Ontario. Past research and/or teaching experience will be an important consideration in the selection of the successful candidate. Fluidization and powder technology have been a strong research focus in this department. The new faculty member is expected to work closely with the senior chair holder and with other members of the department, to enhance the research activity in this area. The individual will also be expected to teach undergraduate and graduate courses, initiate new research program, and supervise graduate students. Interested applicants should forward their curriculum vitae, a statement on their research and teaching vision, and the names of three referees to: Prof. S. Rohani, Chair, Department of Chemical and Biochemical Engineering, Faculty of Engineering Science, The University of Western Ontario, London, Ontario, N6A 5B9, Tel: (519) 661-4116 Fax: (519) 661-3498, Email: [rohani@eng.uwo.ca](mailto:rohani@eng.uwo.ca) The deadline for the receipt of the application is May 1, 2001, or until the position is filled for an appointment as of July 1, 2001 (or as soon as possible thereafter). Salary and rank will be commensurate with experience and research record. This position is subject to budget approval. Canadian citizens and permanent residents will be considered first for this position. The University of Western Ontario is committed to employment equity, welcomes diversity in the workplace and encourages applications from all qualified individuals including women, members of visible minorities, aboriginal persons and persons with disabilities.

**CITY COLLEGE, CITY UNIVERSITY OF NEW YORK, Dept. of Chemical Engr. - Asst/Assoc/Full Professor (Tenure Track) - starting September 1, 2001.** To teach undergraduate/graduate chemical engineering courses and to develop a vigorous research program. Ph.D. in chemical engineering or closely related field required. Expertise in chemical systems and process design desired, but applicants in related areas will be considered. Rank and salary commensurate with qualifications and experience. See [www.cuny.edu/positions/](http://www.cuny.edu/positions/). Complete applications must be received by March 26, 2001. Send CV and names of 3 professional references to: Search Committee, Department of Chemical Engineering, The City College, CUNY, New York, NY 10031. An AA/EO/ADA Employer.



## ENGINEERING SERVICES

### FARKAS MANAGEMENT SERVICES INC.

We specialize in small projects, typically \$1,000 to \$2,000 of engineering time. Often these jobs would otherwise "fall through the cracks" in a busy production environment:

- + Simple mathematical analyses to solve problems in existing equipment or to develop new methods of carrying out a given function. Also, development of design methods for process or equipment elements.

- + Organization and analysis of raw experimental data.

- + Editing or writing technical reports.

Call for our brochure.

**416-633-6801 or 1-800-859-6138**

**fax 416-638-1861 - esj@interlog.com**

### Robert Drexler Associates, Inc.

*Serving the Chemical Process Industries  
Nationwide/Overseas*

Engineer through Sr. Executive  
Management

**E & C-Operating-Manufacturing**

*Chem • Petrochem • Pharmaceutical • Food • Environmental  
• Pulp & Paper • Refinery*

Contact: Robert C. Drexler

Fax: 201-342-9062

210 River Street

Email: [drexler@engineeringemployment.com](mailto:drexler@engineeringemployment.com)

Hackensack, NJ 07601

Phone: 201-342-0200

Visit us at [www.engineeringemployment.com](http://www.engineeringemployment.com)

### www.advancedsearch.com

Chem E / ME EE  
Process, Project, Production,  
R & D, Environmental / Safety

- Chemical • Plastics
- Petrochemicals
- Pharmaceuticals
- Converting

Charlie Diana  
President

**Advanced Search Group**  
231 W. Grand St. Ste. 101  
Bensenville, IL 60006  
Telephone 630/781-6155  
[charlie@advancedsearch.com](mailto:charlie@advancedsearch.com)

24 Hr. FAX LINE  
630/787-2410

## EXECUTIVE SEARCH

### CALIFORNIA

SYSTEM 1 SEARCH - (925) 932-8801

Fax: (925) 932-3651

E-mail: [system1@ccnet.com](mailto:system1@ccnet.com)

3021 Citrus Circle, #230, Walnut Creek, CA 94598

Dave Doyle—ChE's, ME's, EE's, Chem., Food, Biotech.

### ILLINOIS

CPS, INC (Rich Brandeis) 708-531-8390;

Email: [cpscheme@aol.com](mailto:cpscheme@aol.com)

1 Westbrook Corp., Cir., #600

Westchester, IL 60154

ChE, M.E., E.E.-Nationwide.

Fax: 708-531-8373

### NEW JERSEY

BLAIR/TECH RECRUITERS,

77 Milltown Rd.,

East Brunswick, NJ 08816

Specializing in the Chemical Process Industries

No. East/Mid-Atlantic (732) 390-5550

FAX (732)390-1453

### VIRGINIA

UNITED SEARCH, (Ed Oswald) (757) 787-2332

P.O. Box 21, Onancock, VA. 23417

[usearch@intercom.net](mailto:usearch@intercom.net)

FAX: 757-787-2448

CPI SPECIALISTS - Engineering & Tech. Sales/Mktg.

### TEXAS

DELTA SERVICES - Retained Search ONLY

[www.thesearchfirm.com](http://www.thesearchfirm.com) Ph: 281-494-9300

Sr. Staff Engr to Exec.; \$100-500K+

Industries: Chem, Ref, O&G, IT, Consulting

P.O. Box 1294, Sugar Land, TX 77487-1294



**Engineers & Chemists  
Salaries to \$100K**

P.O. Box 53629

Fayetteville, NC 28305

Toll Free: 1-800-298-3987

Fax: 910-484-3272

**& ASSOCIATES** E-mail: [resumes@gmarecruiters.com](mailto:resumes@gmarecruiters.com)

**Process Industry Specialists Since 1977**

## SYSTEM 1

FIRST IN PERSONNEL

DAVE DOYLE, C.P.C.

SEARCH DIVISION

3021 Citrus Circle, #230

Walnut Creek, CA 94598

E-Mail: [system1@ccnet.com](mailto:system1@ccnet.com)

FAX (925) 932-8801

(925) 932-3651

## Engineering Profiles

Chemical Industry Recruiters  
*Technical - Engineering - Operations*  
[www.engineeringprofiles.com](http://www.engineeringprofiles.com)

P.O. Box Box 15537-A

PH: (850) 969-9991

Pensacola, FL 32514

FAX: (850) 969-9987

Billy Price Email: [bprice@engineeringprofiles.com](mailto:bprice@engineeringprofiles.com)

## CONSULTING SERVICES

### R.C. Costello & Assoc., Inc.

310-792-5870

- Chemical Engineering Design
- Detailed Design & Construction
- Process Safety
- Explosion Investigations
- Environmental Engineering

Visit us at [www.rccostello.com](http://www.rccostello.com)

## AIChE's In-House Training Program Really Delivers



AICHE's In-House Technical Training Program provides custom-tailored courses that deliver substantial results for your organization.

AICHE is the leading provider of staff training for Chemical Process Industry professionals. AICHE can deliver a program that reduces costs by eliminating employee travel expenses and minimizes time away from the job. We bring the training to you and work around your schedule to conduct courses when and where you decide.

Our instructors are experts in their fields, so your employees learn the latest technological advances, best practices, and practical solutions that can be applied immediately.

AICHE's In-House Technical Training Program delivers a powerful package of practical solutions that work.

[www.aiche.org/education](http://www.aiche.org/education)

212/591.7170

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

# AICHE

© 2000 American Institute of Chemical Engineers

### Fluid flow calculations on the web

Pipes, pump curves, water hammer.

1/16" to 100" diameters, 100-10000 ft.

Chemical with applications: Mixers, columns,

compressors, distillation, Unit conversions.

[www.LMNOeng.com](http://www.LMNOeng.com)

LMNO Engineering, Atlanta, Ohio, USA