CLASSIFIED LISTINGS

POSITIONS AVAILABLE

CAREER OPPORTUNITIES-NATIONWIDE
EXPERIENCED CANDIDATE'S PHARMACEUTICAL/ BIOMEDICAL ONLY-CHEMISTS/QA/QC/ PROCESS/PROJECT/VALIDATION/REGAFFAIRS/ FORMULATIONS-E-mail RESUME TO: pa@ansara.com. FAX: 413-731-1486

PLANT ENGINEER
Job Summary: Perform process, maintenance and project engineering. Requirements: B.S. Chemical or Mechanical Engineering. Ten years, hands-on engineering experience in a chemical plant environment. See our website at www.hukill.com for information about our company.

CHEMICAL ENGINEER
BS in Chemical Engineering or related field req. Send ad w/ resume to: Pars Knitting LLC, 1125 Lanzit Ave., Los Angeles, CA 90059

RESEARCH ASSOCIATE, BIOPROCESS ENGINEERING
VIACELL is a cellular medicine company committed to developing the highest quality cellular medicines for the effective treatment of cancer, genetic diseases, neurological diseases and immune deficiencies. ViaCell's goal is to provide pharmaceutical grade stem cells in sufficient quantities to enable widespread use of cells as therapy. ViaCell is achieving this goal through the application of its proprietary cell expansion technology, known as Selective Amplification. ViaCell also owns and operates Viacord, a leading umbilical cord blood stem cell storage company that provides both financial resources and access to cord blood stem cells, a key source material for the therapeutics business.
With facilities in Boston, Worcester and Cambridge, Massachusetts, ViaCell is aggressively expanding its cord blood banking service, developing new cellular medicines, and initiating the first clinical trial using its patented technology for the expansion of stem cells. We seek imaginative thinkers who are ready for an exciting, entrepreneurial environment, who thrive in a fast-paced workplace, and who want to contribute to a highly motivated, success-driven team.
Responsibilities:
* Optimization of selective amplification technology including:
* Seed populations and cell types
* Media composition
* Selection strategy and components
* Culture conditions
* Production format
Requirements:
* B.S. degree with 4-6 years experience in cell culture
* Competency in designing and implementing research experiments
* Experience with tissue culture and aseptic technique
If interested, please respond to: Jim Iannoni 1 Innovation Drive Worcester, MA 01605 jiannoni@viacellinc.com www.viacellinc.apply2jobs.com

DIRECTOR, GLOBAL ENGINEERING DESIGN & CONSTRUCTION
Global $5 billion publicly traded industrial gas producer/distributor seeks individual to lead multi-discipline team for facilities/process design and construction. 15+ years experience required. International and chemical/process experience desired.
Contact: Debi Verrill Ovca Associates 207-673-3371 thesearch@hotmail.com

KOSA, QUALITY ASSURANCE ENGINEER
KoSa's Spartanburg facility announces opening for a Quality Assurance Engineer for Decoupled Polymers/Resins.
Duties:
* Ensure suitable quality systems are in place and functioning to provide products that meet or exceed customer requirements.
* Supervise two salaried personnel to ensure daily product inspections, dispositioning and documentation are being met.
* Maintain ISO 9002 quality system.
* Provide continual improvement to process and product sampling and control techniques.
* Use appropriate statistical methods in troubleshooting/ analyzing product data and to document findings/recommendations.
* Work with business contacts to proactively address customer issues.
* Qualify new raw materials by designed experiments and data analysis.
Must have excellent communication and organizational skills. Lead and coordinate internal and customer trials as well as sell ideas/conclusions to customers, area staff, and business contacts.
Requirements:
* BS or higher engineering or technical degree. Familiarity with chemistry/polymer chemistry a plus.
* At least 3 years work experience in a QA/QC role in industrial setting. Knowledge of 6-sigma, TQM and/or Kaizen.
* Proficient in statistical methods and analytical tools.
* Proficient in Microsoft office software. Experience in "minitab" a plus.
* Working knowledge of ISO 9002, 2000 standard.
Competitive salary and a complete benefits package, including 401(k). Forward your resume electronically as a MS Word document to: william.monroe@kosa.com Visit our website at www.kosa.com. EOE M/F/V/D.

USDA FOREST SERVICE, FOREST PRODUCTS LABORATORY, CHEMICAL ENGINEER-BIOMASS WOOD.
We are a national federal laboratory dedicated to using the latest wood science and technology to promote clean water, better homes, and healthier forests. We have an opening for a chemical engineer. This is a 1-year term position engaged in finding efficient application of biomass energy technologies from hazardous forest fuel reduction activities. The duties involved include:
* Research on production and application of wood energy systems
* Improving equipment and instrumentation for wood gasification
* Technical assistance to rural communities, small businesses and tribes on wood energy systems.
Salary starts at $44,783 per annum. U.S. citizenship required. Application closes November 22, 2002. Application information found at: http://www.usajobs.opm.gov, search for job II2438, or call Lee Norton, 608-231-9268.

AUGUST MACK ENVIRONMENTAL, STAFF ENGINEER
August Mack Environmental, Inc. is seeking a full-time qualified candidate to manage and supervise site investigations, air quality and remedial action projects and conduct of hazardous air pollutant inventories, coordinate air and wastewater permitting, participate as a team leader to investigate, design, install, operate and maintain wastewater treatment systems as well as air pollution control and abatement systems and equipment and air monitoring at industrial sites; perform project management functions on small projects; write reports for management review. Candidates are expected to have certifications in hazardous waste operations and emergency response (eg. IIAZWOPER) and in visible emissions evaluation. Since the work is in Indiana, candidates should be familiar with Indiana environmental permitting.

Candidates should possess a minimum of a BS in Chemical Engineering and one year experience. Salary and benefits competitive. Please forward resume to:
August Mack Environmental, Inc. Human Resources 8007 Castleton Road Indianapolis, IN 46250 Fax: 317.579.7410
Email: sdoty@augustmack.com

ACADEMIC OPENINGS

STANFORD UNIVERSITY, DEPARTMENT OF MECHANICAL ENGINEERING, MECHANICAL ENGINEERING (BROAD SEARCH)
The Department of Mechanical Engineering at Stanford University invites applicants for a tenure-track faculty position at the junior level (Assistant or untenured Associate Professor). We are searching for a strong, energetic and visionary individual in any area of mechanical engineering, broadly interpreted and including interdisciplinary fields. The ideal candidate will have strong leadership skills and high potential to develop new research domains that complement our current strengths and serve to expand the boundaries of mechanical engineering.
Applicants must hold a doctorate in an appropriate field and must have strong interest in both teaching and research. The successful candidate will be expected to teach courses at both the undergraduate and graduate levels, as well as to build and lead a team of graduate students in Ph.D. research.
Applicants should send a curriculum vita, a brief statement of research and teaching interests and vision, copies of one or two representative publications, and complete contact information for at least five references, to the following address:
Professor F. B. Prinz, Chair, Mechanical Engineering Broad Area Search Department of Mechanical Engineering, Stanford University, Stanford, CA 94305-3030
Applications will be accepted until the position is filled. Stanford University is an equal opportunity employer and welcomes nominations of women and minority group members and applications from them.

UMBC
AN HONORS UNIVERSITY IN MARYLAND

Open Faculty Position

Tenure Track Assistant Professor

Area of Thermal Fluids

Ph.D. degree in Mechanical Engineering or in a related field required.

Department of Mechanical Engineering
University of Maryland Baltimore County
1000 Hilltop Circle
Baltimore, Maryland 21250
Phone: (410) 455-3313
Fax: (410) 455-1052

MECHANICAL ENGINEERING, UMBC: The Mechanical Engineering Department at the University of Maryland Baltimore County, (UMBC) invites applications for a tenure track position at the Assistant Professor level in the thermal/fluids area. The Mechanical Engineering Department at UMBC currently comprises 13 faculty members offering programs leading to BS, MS and Ph.D. degrees. Additional information concerning UMBC and the Mechanical Engineering Department in particular can be found on the UMBC web site, www.umbc.edu and the Mechanical Engineering web site www.umbc.edu/engineering/me/.

The main research thrusts of the department are design and manufacturing, fluid mechanics and thermal science, biomechanics and solid mechanics and materials. We are interested in applicants with a strong commitment to excellence in funded research and teaching in the field of bio-thermal and bio-fluid mechanics. Applicants whose research is experimental as well as theoretical and who can collaborate with researchers at medical institutions are particularly encouraged to apply. The ideal candidate should have a Ph.D. degree in Mechanical Engineering or in a related field and will be expected to teach core Mechanical Engineering courses both at the undergraduate and graduate levels. It is also expected that the successful candidate will develop specialized courses related to her/his research area.

UMBC's graduate school is a joint enterprise with the graduate school of the University of Maryland, Baltimore (UMB). UMB is the state supported medical institution of the state of Maryland located in downtown Baltimore about 7 miles north from UMBC. Many federal funding agencies such as The National Science Foundation, (NSF), The National Institute of Standards and Technology (NIST), The US Department of Agriculture (USDA), The Army Research Lab, The Naval Surface Warfare Center (NavSurfWar) and The National Institute of Health (NIH) are all located within a 50 mile radius from UMBC. In addition to receiving funding from the above agencies, the Mechanical Engineering faculty has several ongoing collaborations with private industry. It is expected that the selected candidate will be actively involved in funded Research and grant writing.

Applicants are invited to send their CV, statement of research and professional development plans, a statement regarding their immediate research infrastructure needs with rough cost estimates, and the name, telephone number and email address of at least four references to: Dr. Panos Charalambides, Chairman of Mechanical Engineering Department, University of Maryland Baltimore County, Room 234 ECS Building, Baltimore, MD, 21250. Screening of applicants will begin in December. Applications will be accepted until position is filled. UMBC is an affirmative action/equal opportunity employer. Applications from women, minorities and individuals with disabilities are encouraged.

We got the patents.
You get the results.
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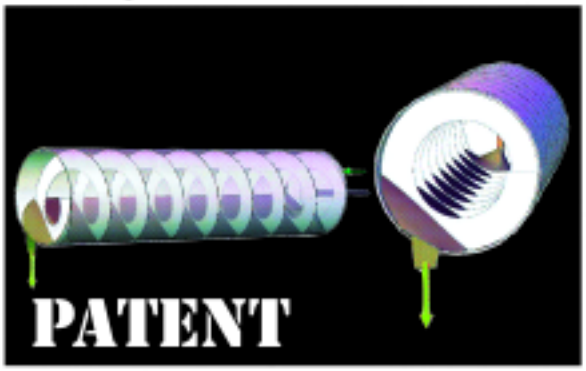
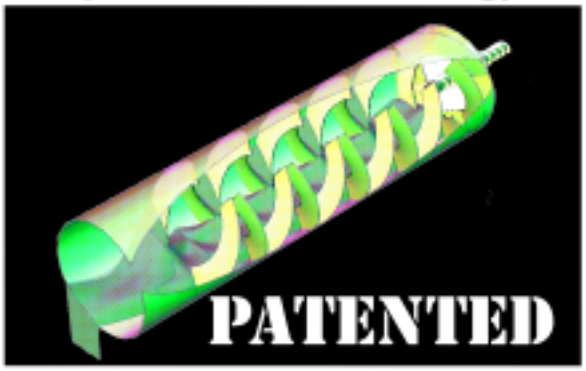
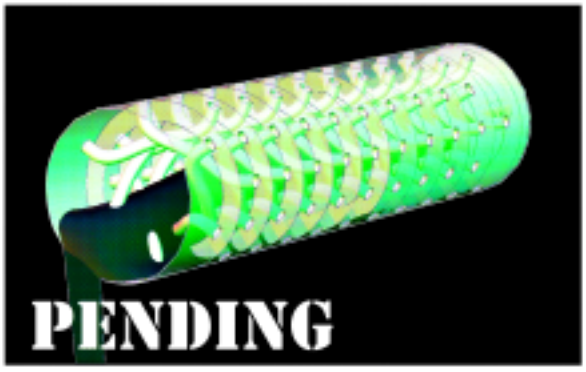


Enhanced Plug Flow: Helical flights convey the material without back-mixing. This is useful for processes that require narrow residence time distributions.



Ideal Back-Mixed Flow (CSTR): PATENTED riffle-Flights™ provide axial mixing for processing at a fixed average composition (continuous or batch), moderating exothermic reactions or, simply, continuous in-line mixing.



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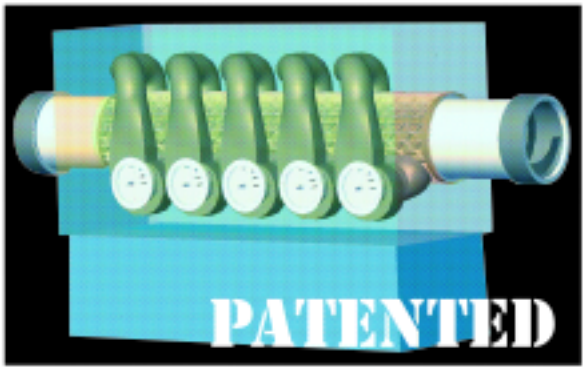

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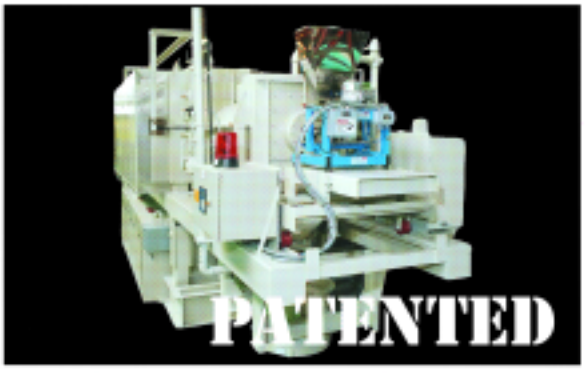
Superior, PATENTED Sealing: Enables lowest achievable atmosphere consumption. Seal purge rates reduced by 10-100X, substantially improving product purity.



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WASHINGTON UNIVERSITY IN ST. LOUIS,

Department of Chemical Engineering at invites applications and nominations for a tenure track position starting Fall 2003. The rank is open but preference will be given to entry-level positions. The department seeks individuals with outstanding academic record, who are dedicated to excellence in education and research. Although candidates with research interest in all related areas to chemical engineering will be considered, preference will be given to individuals with a strong background in the areas of bioengineering (biomedical and biochemical) and nanotechnology. Successful candidates are expected to develop a recognized program of externally funded research and demonstrate a strong commitment to undergraduate and graduate education. Interested individuals should send a letter of application including a statement of research and teaching interests and plans, current resume, copies of pertinent publications, and names and contact information of at least three references to: Chair, Faculty Search Committee, Department of Chemical Engineering, Campus Box 1198, Washington University, St. Louis, MO 63130. Screening of applicants will begin in December 2002 and will continue until the position is filled. Washington University is an equal opportunity/equal access/affirmative action institution.

CLARKSON UNIVERSITY WALLACE H. COULTER SCHOOL OF ENGINEERING. DIRECTOR, BIOENGINEERING/REHABILITATION ENGINEERING PROGRAM

Applications and nominations are sought for the position of Director of the Bioengineering/Rehabilitation Engineering Program in the Wallace H. Coulter School of Engineering. Significant endowment funds have been allocated for the development of a new emphasis in bioengineering/rehabilitation engineering. The Director will provide leadership in the development of a vision and goals leading to sustained growth in multidisciplinary research and undergraduate and graduate degree programs linking programs in engineering, science, and physical therapy. The director will also establish an externally funded research program at Clarkson.

The successful candidate will have an educational background and experience in a suitable area of bioengineering or a related field, hold a doctoral degree, and have a record of scholarship and teaching appropriate for an appointment with tenure. Demonstrated success in managing an academic or research organization is a plus, as is the ability to build relationships with government and private agencies.

Applications should be mailed to Thomas Ortmeyer, Department of Electrical and Computer Engineering, Box 5720, Clarkson University, Potsdam, NY 13699-5720. The review of applications will begin immediately and continue until the position is filled. Clarkson University is an AA/EOE POS#62-02

CLEMSON UNIVERSITY. DIRECTOR, CENTER FOR ADVANCED ENGINEERING FIBERS AND FILMS

Clemson University, in partnership with the Massachusetts Institute of Technology, invites applications for the position of Director of our jointly developed Center for Advanced Engineering Fibers and Films (CAEFF). The CAEFF is a National Science Foundation Engineering Research Center, one of only a few such select national centers. We are looking for a visionary and dynamic individual who can effectively manage a large, innovative multidisciplinary research program. The successful candidate must hold a doctoral degree and have a distinguished record of research accomplishments in a related discipline. Outstanding communication skills, a high level of leadership and strategic vision, and a record of interactions with industry, government and university labs, and other research groups are desirable traits.

The CAEFF's cutting edge research and educational programs are multidisciplinary, including faculty and students from the Departments of Chemical Engineering, Chemistry, Computer Science, Electrical and Computer Engineering, Mathematical Sciences, Bioengineering, Mechanical Engineering, Physics and the School of Materials Science and Engineering. Further information about the CAEFF and this position may be found at http://www.ces.clemson.edu/.

Questions and other communication may be sent to ercsearch@ces.clemson.edu.

Applicants should forward a cover letter, curriculum vitae, and names and addresses of three references to: Chair, CAEFF Director Search Committee, PO Box 340901, Clemson University, Clemson, SC 29634-0901.

Screening of applicants will begin on January 15, 2003, and will continue until the position is filled. Clemson University is an equal opportunity/ affirmative action employer. Minorities and women especially are encouraged to apply.

THE UNIVERSITY OF MICHIGAN, DEPARTMENT OF CHEMICAL ENGINEERING

University of Michigan seeks faculty candidates with distinguished academic records, or exceptional potential, and a commitment to both undergraduate and graduate education. The most important criteria for selection are the quality of the candidate's research, communication skills, and the potential of the candidate to establish an internationally renowned, independent research group. Appointments at all professorial levels will be considered. In addition to welcoming applications in all research areas, the department is seeking to fill interdisciplinary positions in bioengineering and energy/environmental engineering. Applicants interested in joint appointments with other departments, such as Materials Science or Biomedical Engineering, or other Departments in or outside of Engineering, are also encouraged to apply. Please send nominations and applications with supporting materials to Professor Ronald Larson, Chair, Department of Chemical Engineering, University of Michigan, Ann Arbor, MI 48109-2136. Minorities and women are encouraged to apply. The University of Michigan is a non-discriminatory, affirmative action employer.

UNIVERSITY OF NOTRE DAME, CHEMICAL ENGINEERING FACULTY OPENINGS

The Department of Chemical Engineering at the University of Notre Dame is pleased to announce openings for tenured or tenure track faculty at any rank. A Ph.D. or equivalent degree is required. Applicants should show potential for development of an outstanding research program and possess a strong commitment to graduate and undergraduate education. The chemical engineering faculty at Notre Dame collaborates extensively both inside and outside the department and thus applicants should expect to benefit from and contribute to these activities that include the Center for Molecularly Engineered Materials, Center for Environmental Science and Technology and the Center for Transgene Research. Bioengineering or advanced materials are fields of particular interest, but outstanding candidates in other areas will be given full consideration.

Applicants should send their curriculum vitae, statement of teaching and research interests and the names and complete addresses of at least four references to: Professor Mark J. McCready, Department of Chemical Engineering, 182 Fitzpatrick Hall, University of Notre Dame, Notre Dame, Indiana 46556-5637.

Notre Dame is an equal opportunity/affirmative action employer.

VANDERBILT UNIVERSITY THE DEPARTMENT OF CHEMICAL ENGINEERING

Applications are invited for a tenure-track faculty position at the Assistant Professor level for Fall 2003. A Ph.D. with a distinguished academic record is required. Responsibilities include teaching undergraduate and graduate courses and establishing an externally funded, scholarly research program. Outstanding candidates for higher ranks can be considered.

The Department has three research focus areas: bioengineering, materials, and environmental engineering. We seek candidates who can contribute fundamentally and broadly, through experiments and/or computations, to one or more of these focus areas. Interdisciplinary research opportunities exist with researchers in other departments in the School of Engineering, the natural sciences, and medicine. Department faculty participate in University-supported interdisciplinary research initiatives such as the Vanderbilt Institute for Integrative Bioengineering Research and Education (VIIBRE) and the Vanderbilt Institute for Nanoscale Science and Engineering (VINSE).

Vanderbilt University, a national arboretum, is located on 330 park-like acres one and one-half miles from downtown Nashville. The University has ten schools, which provide a full range of undergraduate, graduate, and professional programs. Faculty share a commitment to excellence in teaching at all levels.

Interested persons should send their curriculum vitae, a statement of research and teaching interests, and names and addresses of three or more references to Prof. M. Douglas LeVan, Chair, Department of Chemical Engineering, Vanderbilt University, VU Station B 351604, Nashville, TN 37235. Women and minorities are strongly encouraged to apply. Vanderbilt University is an Affirmative Action/Equal Opportunity employer.

UNIVERSITY OF ALBERTA, ASSISTANT PROFESSOR, 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 general areas of energy and/or energy and the environment. The position is currently open and will be filled as soon as possible. Candidates must either hold a PhD in Chemical Engineering, or related field, or expect to receive one shortly after taking up their appointment. 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 Utilization of Fossil Energy Resources and Interfacial Phenomena. One component of the research program will be air-borne toxin emission control from coal combustion, to complement an NSERC-EPCOR-AERI Industrial Research Chair in Advanced Coal Cleaning and Combustion Technology. For information about our Department, please consult our web site at http://www.ualberta.ca/CMENG/ . All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. A resume, the names of three confidential references, and a statement of current research interests and plans for future research should be sent to: Dr. J.F. Forbes, Department of Chemical and Materials Engineering, University of Alberta, Edmonton, Alberta, Canada T6G 2G6. Applications are requested prior to December 15, 2002. 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.

THE OHIO STATE UNIVERSITY. DEPARTMENT CHAIR, CHEMICAL ENGINEERING,

After 9 years of distinguished service, the current Chair, L.-S. Fan, wishes to devote more time to research and teaching. With this in mind, the department will seek to succeed Professor Fan with a Chair similarly dedicated to ensuring that Ohio State Chemical Engineering emerges as one of the pre-eminent departments in the United States. Opportunities for the new department chair to build are considerable: Among other current faculty openings are two highly attractive endowed chairs - The Taine McDougal Chair and The Ohio Eminent Scholar Chair in Nanotechnology. Moreover, it is likely that Chemical Engineering will be housed in new quarters within this decade. Alumni support is exceptional, both in its quality and in its generosity.

The Ohio State University, founded in 1871, is one of the largest land-grant universities in the country, with 50,000 students, 4,000 faculty and 20,000 staff members. Located in Columbus, the capital of Ohio, it enjoys a rich cultural life in an urban setting with a close-knit community atmosphere. The Department of Chemical Engineering, one of the oldest in the country, has 13

full-time and 3 active emeritus faculty, 80 graduate students and 400 undergraduate students. The annual research budget exceeds $4.5 million.
In addition to the capacity for highly effective leadership, the new Chair should have an exceptionally distinguished record of scholarship and a strong commitment to teaching excellence. Candidates should have a Ph.D. degree in Chemical Engineering or an allied field. Applicants should submit, in hard copy, a detailed curriculum vita and names and addresses of four references to: Professor Martin Feinberg, Department of Chemical Engineering, The Ohio State University, 140 West 19th Avenue, Columbus, Ohio 43210-1180. Phone: 614/688-4883, Fax: 614/292-9271, Email: feinberg.14@ohio-state.edu.

UNIVERSITY OF WISCONSIN - MADISON, TENURE TRACK FACULTY POSITION

Computational and Theoretical Materials Modeling
The departments of Chemical Engineering, Materials Science & Engineering, Physics, and Engineering Physics seek to fill three tenure track faculty positions in Computational and Theoretical Materials Modeling. The complete job listing can be found at http://www.ohr.wisc.edu/pvl/pv_042934.html.
Applicants should submit a cover letter, curriculum vitae, publication list, teaching philosophy, and research plan to the contact person identified below. They should also arrange to have at least three letters of reference sent to the same address.
Contact: Prof. James Blanchard, 1500 Engineering Dr., Madison, WI 53706 (blanchard@engr.wisc.edu)
To ensure full consideration, all information should be received by December 6, 2002. Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an equal opportunity/affirmative action employer.

UNIVERSITY OF TORONTO, NUCLEAR CHEMICAL ENGINEERING AND APPLIED CHEMISTRY

The Department of Chemical Engineering and Applied Chemistry invites applications for two positions in Nuclear Chemical Engineering. These positions are part of the major initiative to re-establish nuclear engineering research and training of highly qualified personnel in Ontario through the University Network of Excellence in Nuclear Engineering (UNENE). These positions will be closely linked and will be important components of the strategic plan of the Department. In the context of these appointments, research fields of strategic interest to the Department are:
-surface/interface analytical techniques, reactions, and mass transfer
-mathematical modeling of solution or surface chemistry with analytical, numerical and/or informatics expertise
-high temperature aqueous chemistry and electrochemistry
-free radical / radiation chemistry.
Industrial support through UNENE has created the opportunity to establish, with matching funding from the Natural Sciences and Engineering Research Council (NSERC), these two positions. Candidates will be expected to assist in preparation of the proposal to NSERC. These positions are contingent upon successful application for funding.
The NSERC Industrial Research Chair is to be a tenure-stream position preferably at the rank of Assistant Professor, although candidates appropriate to higher rank are also invited to apply. Applicants are expected to have a PhD or equivalent, a strong background in chemical or nuclear engineering or physical sciences, demonstrated excellence in research and excellent teaching skills. The successful candidate will be expected to initiate and lead an independent research program of international caliber. The NSERC Executive Industrial Research Chair is to be a five-year-term contract position at the rank of Associate Professor or Professor. Applicants are expected to have a PhD or equivalent experience, a strong background in chemical or nuclear engineering or physical sciences, demonstrated excellence in research or advanced engineering and excellent teaching skills. The successful candidate will be expected to participate in research of international caliber. The successful applicant for the Executive Chair will be highly qualified with a non-academic research or advanced engineering background, from industry or other sectors, with extensive experience in managing research or advanced engineering technology at a senior level. For each of these positions the successful candidate will be expected to teach at the undergraduate and post-graduate level in chemical and nuclear engineering and/or applied chemistry. Both chairs will be expected to contribute to the Centre for Nuclear Engineering within the Faculty of Applied Science and Engineering and to UNENE and to promote nuclear-related research collaboration with industry. Collaborative and inter-disciplinary research and collegial interaction will be important elements in success. Salary will be commensurate with qualifications and experience. Applicants should send a curriculum vitae and a statement concerning research and teaching interests (three to five pages), and should arrange to have sent directly three letters of reference to:
Professor Douglas Reeve, Frank Dottori Professor of Pulp and Paper Engineering, Chair, Department of Chemical Engineering and Applied Chemistry, University of Toronto, 200 College St., Toronto, Ontario, Canada M5S 3E5.
The search will continue until the position is filled. To ensure consideration, interested individuals should deliver their application before January 10, 2003. Inquiries: chair@chem-eng.utoronto.ca Information: www.chem-eng.utoronto.ca
All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

THE UNIVERSITY OF WYOMING, THE DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING

has an opening for an Assistant/Associate/Full Professor of Chemical Engineering. Candidates who possess an earned doctorate in chemical engineering or a closely related field, and who are interested in teaching and developing an externally funded research program are encouraged to apply. A central purpose of the open position is to strengthen the Department's contributions to fossil-energy-related research, for example, research on interfacial phenomena, plasma, catalysis, thermodynamics, separations, multiphase flow, and transport phenomena. Please mail or e-mail a letter of application, resume, statements of teaching and research interests, and the contact information for at least three references to: Prof. Maciej Radosz, Head, Department of Chemical and Petroleum Engineering, University of Wyoming, Laramie, WY 82071-3295. Radosz@uwyo.edu <mailto:Radosz@uwyo.edu> <http://wwweng.uwyo.edu/chemical> Tel: (307) 766-2500. Candidates for appointment at the associate or professor ranks will be expected to demonstrate an exceptional record of achievement in teaching and scholarship. We will begin the application review process 13 January 2003. The University of Wyoming is an AA/EEO employer.

UNIVERSITY OF NOTRE DAME, CHEMICAL ENGINEERING FACULTY OPENINGS

The Department of Chemical Engineering at the University of Notre Dame is pleased to announce openings for tenured or tenure track faculty at any rank. A Ph.D. or equivalent degree is required. Applicants should show potential for development of an outstanding research program and possess a strong commitment to graduate and undergraduate education. The chemical engineering faculty at Notre Dame collaborates extensively both inside and outside the department and thus applicants should expect to benefit from and contribute to these activities that include the Center for Molecularly Engineered Materials, Center for Environmental Science and Technology and the Center for Transgene Research. Bioengineering or advanced materials are fields of particular interest, but outstanding candidates in other areas will be given full consideration.

Applicants should send their curriculum vitae, statement of teaching and research interests and the names and complete addresses of at least four references to: Professor Mark J. McCready, Department of Chemical Engineering, 182 Fitzpatrick Hall, University of Notre Dame, Notre Dame, Indiana 46556-5637.

Notre Dame is an equal opportunity/affirmative action employer.

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TENURE-TRACK FACULTY POSITION CHEMICAL ENGINEERING

Applications are being accepted for a tenure-track faculty position in the Department of Chemical Engineering (http://fenske.che.psu.edu). A strong focus will be placed on applicants doing innovative research at the interface of chemical engineering and the life sciences, including the areas of metabolic engineering, protein engineering, genomics/proteomics, biomaterials, and bioinformatics. Although the position is administratively located solely within Chemical Engineering, it is jointly supported by the Life Sciences Consortium (http://www.lsc.psu.edu/), an interdisciplinary organization at Penn State that is focused on encouraging research alliances across disciplinary boundaries and developing new approaches to the application of the life sciences to technology. This position will be a unique opportunity for a creative individual interested in interdisciplinary research in the life sciences. The successful applicant is expected to develop a research program leading to national and international recognition and to teach at the undergraduate and graduate levels. Candidates applying for this position must have a Ph.D. in Chemical Engineering or in a closely related field. Applications with curriculum vitae, including research and teaching interests, a statement of research plans, copies of selected publications, and names of three references should be sent to PROFESSOR ANDREW ZYDNEY, DEPARTMENT OF CHEMICAL ENGINEERING, POS #: C-14234, 120 FENSKE LABORATORY, PENN STATE, UNIVERSITY PARK, PA 16802-4400. Applications will be considered until the position is filled.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

VANDERBILT UNIVERSITY THE DEPARTMENT OF CHEMICAL ENGINEERING

Applications are invited for a tenure-track faculty position at the Assistant Professor level for Fall 2003. A Ph.D. with a distinguished academic record is required. Responsibilities include teaching undergraduate and graduate courses and establishing an externally funded, scholarly research program. Outstanding candidates for higher ranks can be considered.

The Department has three research focus areas: bioengineering, materials, and environmental engineering. We seek candidates who can contribute fundamentally and broadly, through experiments and/or computations, to one or more of these focus areas. Interdisciplinary research opportunities exist with researchers in other departments in the School of Engineering, the natural sciences, and medicine. Department faculty participate in University-supported interdisciplinary research initiatives such as the Vanderbilt Institute for Integrative Bioengineering Research and Education (VIIBRE) and the Vanderbilt Institute for Nanoscale Science and Engineering (VINSE).

Vanderbilt University, a national arboretum, is located on 330 park-like acres one and one-half miles from downtown Nashville. The University has ten schools, which provide a full range of undergraduate, graduate, and professional programs. Faculty share a commitment to excellence in teaching at all levels.

Interested persons should send their curriculum vitae, a statement of research and teaching interests, and names and addresses of three or more references to Prof. M. Douglas LeVan, Chair, Department of Chemical Engineering, Vanderbilt University, VU Station B 351604, Nashville, TN 37235. Women and minorities are strongly encouraged to apply. Vanderbilt University is an Affirmative Action/Equal Opportunity employer.

UNIVERSITY OF ALBERTA, ASSISTANT PROFESSOR, 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 general areas of energy and/or energy and the environment. The position is currently open and will be filled as soon as possible. Candidates must either hold a PhD in Chemical Engineering, or related field, or expect to receive one shortly after taking up their appointment. 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 Utilization of Fossil Energy Resources and Interfacial Phenomena. One component of the research program will be air-borne toxin emission control from coal combustion, to complement an NSERC-EPCOR-AERI Industrial Research Chair in Advanced Coal Cleaning and Combustion Technology. For information about our Department, please consult our web site at http://www.ualberta.ca/CMENG/ . All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. A resume, the names of three confidential references, and a statement of current research interests and plans for future research should be sent to: Dr. J.F. Forbes, Department of Chemical and Materials Engineering, University of Alberta, Edmonton, Alberta, Canada T6G 2G6. Applications are requested prior to December 15, 2002. 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.

THE OHIO STATE UNIVERSITY. DEPARTMENT CHAIR, CHEMICAL ENGINEERING,

After 9 years of distinguished service, the current Chair, L.-S. Fan, wishes to devote more time to research and teaching. With this in mind, the department will seek to succeed Professor Fan with a Chair similarly dedicated to ensuring that Ohio State Chemical Engineering emerges as one of the pre-eminent departments in the United States. Opportunities for the new department chair to build are considerable: Among other current faculty openings are two highly attractive endowed chairs - The Taine McDougal Chair and The Ohio Eminent Scholar Chair in Nanotechnology. Moreover, it is likely that Chemical Engineering will be housed in new quarters within this decade. Alumni support is exceptional, both in its quality and in its generosity.

The Ohio State University, founded in 1871, is one of the largest land-grant universities in the country, with 50,000 students, 4,000 faculty and 20,000 staff members. Located in Columbus, the capital of Ohio, it enjoys a rich cultural life in an urban setting with a close-knit community atmosphere. The Department of Chemical Engineering, one of the oldest in the country, has 13 full-time and 3 active emeritus faculty, 80 graduate students and 400 undergraduate students. The annual research budget exceeds $4.5 million.

In addition to the capacity for highly effective leadership, the new Chair should have an exceptionally distinguished record of scholarship and a strong commitment to teaching excellence. Candidates should have a Ph.D. degree in Chemical Engineering or an allied field. Applicants should submit, in hard copy, a detailed curriculum vita and names and addresses of four references to: Professor Martin Feinberg, Department of Chemical Engineering, The Ohio State University, 140 West 19th Avenue, Columbus, Ohio 43210-1180. Phone: 614/688-4883, Fax: 614/292-9271, Email: feinberg.14@ohio-state.edu.

THE UNIVERSITY OF WYOMING, THE DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING has an opening for an Assistant/Associate/Full Professor of Chemical Engineering. Candidates who possess an earned doctorate in chemical engineering or a closely related field, and who are interested in teaching and developing an externally funded research program are encouraged to apply. A central purpose of the open position is to strengthen the Department's contributions to fossil-energy-related research, for example, research on interfacial phenomena, plasma, catalysis, thermodynamics, separations, multiphase flow, and transport phenomena. Please mail or e-mail a letter of application, resume, statements of teaching and research interests, and the contact information for at least three references to: Prof. Maciej Radosz, Head, Department of Chemical and Petroleum Engineering, University of Wyoming, Laramie, WY 82071-3295. Radosz@uwyo.edu <mailto:Radosz@uwyo.edu> <http://wwweng.uwyo.edu/chemical> Tel: (307) 766-2500. Candidates for appointment at the associate or professor ranks will be expected to demonstrate an exceptional record of achievement in teaching and scholarship. We will begin the application review process 13 January 2003. The University of Wyoming is an AA/EEO employer.

JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF CHEMICAL ENGINEERING

The Johns Hopkins University, Department of Chemical Engineering seeks outstanding applicants for tenure-track faculty positions at the junior or senior level available starting September 1, 2003. Candidates who hold a doctorate in chemical engineering, materials science, or a related field should apply. All areas of chemical engineering will be considered but applicants with expertise in the area of materials, nanotechnology, interfacial science, biomaterials, and related fields are especially encouraged. Applicants should send or e-mail a resume and the names of at least three references to: Professor Michael J. Betenbaugh, Chair, Department of Chemical Engineering, Johns Hopkins University, 3400 N. Charles Street, Baltimore MD 21218. Telephone: (410) 516-5461/8294; e-mail: beten@jhu.edu. Women and minorities are strongly encouraged to apply. Johns Hopkins University is an EEO/AA employer

EXECUTIVE SEARCH