



“THE PREMIER PRINT AND ONLINE RESOURCE
FOR ChE JOBS”

<http://careerengineer.iche.org>

POSITIONS OPEN

FILM CONVERSION PROGRAM LEAD AIR LIQUIDE INDUSTRIAL U.S. LP

Air Liquide Industrial U.S. LP seeks Film Conversion Program Lead to work in E. Norriton, PA to promote and advance Phargalis 1 (globally compliant nitrogen) and film conversion technologies (APP and a Gas Seal Kit for EB/UV curing). Travel up to 50% required. Minimum of a Bachelor's degree and relevant experience required. **Submit resume to lynn.reid@airliquide.com. Must put job code, "ALI304 Business Development Program Lead" on resume and in subject line.**

ACADEMIC OPENINGS

FACULTY POSITIONS AT CARNEGIE MELLON UNIVERSITY

The Department of Chemical Engineering at Carnegie Mellon invites applications for two tenure-track faculty positions preferably at, but not restricted to, the Assistant Professor level. We seek outstanding candidates who are committed to research excellence. For one of the two positions, candidates must have interests in policy for a 50/50 joint appointment with the Department of Engineering and Public Policy. For the second position, we are open with respect to specific research domains but are particularly interested in candidates with expertise in envirochemical engineering, renewable energy technologies, and process systems engineering. **Apply at <http://www3.cheme.cmu.edu/jobs/apply.htm>.**

YOUR FUTURE OF
SUSTAINABLE
CHEMISTRY



Make a difference and Make it here at **The Dow Chemical Company** by considering one of our unique and exciting opportunities listed below (visit our website www.careersatdow.com to view each opportunity in full):

- Research & Development Director for Material Sciences (Job # 1102804)
- Technical Leader for Inorganic materials and Catalysis group (Job# 1103286)
- Senior Research Scientist-Reaction Engineering (Job# 1106038)
- Process Research Pilot Plant Engineer in Process Chemistry (Job# 1106186)
- Reaction Engineering Research Scientist (Job# 1106249)
- Lead R&D Manager for Fluid Mechanics and Mixing (Job# 1104134)
- Executive Communication Leader for Research & Development (Job# 1105986)

Dow combines the power of science and technology with the "Human Element" to passionately innovate what is essential to human progress. The Company connects chemistry and innovation with the principles of sustainability to help address many of the world's most challenging problems such as the need for clean water, renewable energy generation and conservation, and increasing agricultural productivity.



Nanyang Technological University (NTU) is an internationally renowned tertiary education institution. NTU, together with its predecessor, Nanyang University, has offered university education in Singapore since 1955. NTU boasts a strong engineering college that is ranked among the best globally. Committed to our mission of educating leaders and advancing knowledge for Singapore and beyond, we have built global programs and established strong links with leading institutions around the world. NTU's 200-hectare campus is among the most advanced in the academic world. The campus now houses 33,000 undergraduate and postgraduate students, and 3,300 teaching and research staff.

1. CAREER OPPORTUNITIES IN THE SCHOOL OF CHEMICAL AND BIOMOLECULAR ENGINEERING

The chemical and biomedical industries in Singapore have seen very healthy growth in recent years. With the increasing demand for chemical engineers and bioengineers, a School of Chemical and Biomedical Engineering has been established in NTU. The School, comprising Division of Chemical and Biomolecular Engineering and Division of Bioengineering, aims to empower a generation of graduates with new perspectives in engineering practices to meet the challenges of the chemical and biomedical industries around the globe.

Tenure-track Assistant Professor / Associate Professor/Professor Positions

The School invites applications for tenure-track faculty appointments at the Assistant, Associate or Full Professor level in:

Chemical and Biomolecular Engineering

Candidates must have at least a B.Sc. or B.Eng. in Chemical Engineering, a Ph.D. in Chemical Engineering or other closely related areas from reputable universities. Research expertise is required in one of the following areas: Process Systems Engineering, Product and Process Design, Pharmaceutical Engineering, Polymers and Soft Materials, and Separations Technology. Creative and energetic individuals who show extraordinary promise or accomplishment in other related areas will also be considered.

Bioengineering

Candidates must have at least a B.Sc. or B.Eng. in Life Sciences, Mechanical Engineering, Electrical Engineering, Computer Science / Engineering or Bioengineering, a Ph.D. in Bioengineering or other closely related areas from reputable universities. Research expertise is required in one of the following areas: Biomaterials, Biomechanics, Bioimaging, Biomedical Devices, Tissue Engineering, Biomaterials, Systems Biology, Computational Biology and Bio-nanotechnology.

In addition to the qualifications and research expertise, candidates should have interests in undergraduate and graduate teaching, a track record of excellent publications and preferably successful grant applications.

Lecturer / Senior Lecturer Positions

The School invites applications for multiple non-tenure track lecturer and senior lecturer positions. Duties will include teaching starting January 2012 in core chemical engineering / bioengineering courses, elective courses or final year design projects relevant to the semiconductor / petroleum / pharmaceutical / healthcare / biomedical industry.

Candidates must have at least a B.Sc. or B.Eng. in Chemical Engineering, Bioengineering or other closely related areas, a Ph.D. or Master degree in relevant disciplines from reputable universities. In addition, candidates must have demonstrated teaching excellence in undergraduate teaching. Relevant industrial experiences are needed for teaching elective courses or final year design projects.

2. EMOLUMENTS AND GENERAL TERMS & CONDITIONS OF SERVICE

The commencing salary will depend on the candidate's qualifications, experience and the level of appointment offered. Information on emoluments and general terms and conditions of service is available at <http://www.ntu.edu.sg/ohr/Career/terms/Pages/FacultyPositions.aspx>

3. APPLICATION PROCEDURE

Qualified candidates are invited to submit an application. **Guidelines for Submitting an Application for Faculty Appointment** are available at <http://www.ntu.edu.sg/ohr/Career/SubmitApplications/Pages/Faculty.aspx>. The post applied for should be clearly stated. Electronic submission of application is encouraged and can be forwarded to:

**Chairman, Search Committee
School of Chemical and Biomolecular Engineering
NANYANG TECHNOLOGICAL UNIVERSITY**

**E-mail: scbe_recruit@ntu.edu.sg
Website: www.scbe.ntu.edu.sg**

www.ntu.edu.sg

DREXEL UNIVERSITY, COLLEGE OF ENGINEERING TWO FACULTY POSITIONS IN CHEMICAL AND BIOLOGICAL ENGINEERING

The Department of Chemical and Biological Engineering at Drexel University invites applications and nominations for two tenured/tenure-track faculty positions at the rank of Assistant, Associate, or Full Professor to begin September 2012. Outstanding candidates should have a distinguished academic record, including a PhD in chemical engineering or a closely related field, potential for developing a strong independent research program, and a commitment to mentor and teach undergraduate and graduate students effectively. All research areas will be considered. The department currently has 12 tenured/tenure-track faculty (7 NSF CAREER awardees; 1 PECASE awardee), approximately 370 undergraduate students and 40 PhD students. With research expenditures over \$4M last year, current research interests are in the fields of polymer science and engineering, biotechnology, computational modeling and process systems engineering, as well as energy and the environment. Drexel University is a comprehensive top-tier research institution ranked in the top 100 among all PhD granting universities according to U.S. News & World Report (2011). We are located in the heart of Philadelphia, and you can learn more about the university and the department at www.drexel.edu and www.chemeng.drexel.edu, respectively. **Applicants should submit a letter of interest, detailed curriculum vitae, statements of research and teaching plans, and a list of at least three references electronically at <http://www.chemeng.drexel.edu/faculty/positions/>. Questions should be addressed to Chemeng-facultypositions@coe.drexel.edu.** Review of applications will begin on October 1, 2011. Drexel University is an Equal Opportunity/Affirmative Action Employer and encourages applications from qualified women and minorities.

FACULTY OPENINGS, GEORGIA INSTITUTE OF TECHNOLOGY

The School of Chemical & Biomolecular Engineering at Georgia Tech seeks outstanding individuals for tenure-track positions. Successful applicants will have a Ph.D. in Chemical Engineering or a related discipline. We seek the best possible candidates, irrespective of research field. **A curriculum vitae, a statement of research and teaching interests, and names and addresses of at least four professional references should be submitted electronically to faculty.candidates@chbe.gatech.edu. Alternatively, hard copies of the above information may be mailed to: Ronald W. Rousseau, School Chair and Cecil J. "Pete" Silas Chair, School of Chemical & Biomolecular Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0100.** Georgia Tech is an equal opportunity employer and a unit of the University System of Georgia.

THE DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING AT VANDERBILT UNIVERSITY

invites applications and nominations for a tenure-track faculty positions at the Assistant Professor level for Fall 2012. Exceptional candidates are encouraged to apply and will be considered for appointment at the Associate or Full Professor rank. Candidates are expected to contribute to one of two experimental research thrust areas in the department: (1) Biomolecular Engineering (synthetic systems biology, immunology, and cellular and protein engineering are of special interest) and (2) Energy and Materials, broadly defined, including all aspects of energy conversion (solar, fuel cells), energy storage (batteries, supercapacitors), and energy efficiency; nanomaterials approaches to energy solutions are of particular interest. A Ph.D. with a distinguished academic record in engineering or applied science is required. Responsibilities include teaching undergraduate and graduate courses and establishing an externally funded and internationally recognized scholarly research program. Ranked in the top 20 nationally, Vanderbilt University is located on 330 park-like acres one and one-half miles from downtown Nashville, Tennessee. The University has ten schools, which provide a full range of undergraduate, graduate, and professional programs. Interdisciplinary research opportunities exist with faculty in many other departments within the School of Engineering, the College of Arts and Science, and the School of Medicine. Furthermore, interdisciplinary institutes including the Vanderbilt University Institute of Imaging Science (VIIS), Vanderbilt Institute of Chemical Biology (VICM), and Vanderbilt Institute of Nanoscale Science and Engineering (VINSE) offer access to comprehensive and state-of-the-art support core facilities. **Applications consisting of a cover letter, a complete curriculum vitae, statements of teaching and research interests, and the names and addresses of at least three references (including email addresses) should be submitted on-line at <https://academicjobsonline.org/ajo/jobs/816>. Screening of applications will begin October 1, 2011 and will continue through December 2011.** Women and minorities are strongly encouraged to apply. Vanderbilt University is an Affirmative Action/Equal Opportunity employer.

POST DOCTORATE POSITION UNIVERSITY OF PUERTO RICO AT MAYAGUEZ

The Department of Chemical Engineering at the University of Puerto Rico at Mayaguez seeks candidates with a PhD degree in chemical engineering for a post doctorate position. Candidates must have a solid background in powder mixing and should have at least one year experience working with NIR for inline prediction and an industrial control system, specifically DeltaV from Emerson Process Management. Knowledge of the use of DEM for powder mixing simulation is a plus. The selected candidate will start on November 1, 2011, and will receive an annual salary plus benefits. **Send your CV to carlos.velazquez9@upr.edu before September 30, 2011, preferred.** The University of Puerto Rico at Mayaguez is an equal opportunity employer.

FACULTY POSITION MISSISSIPPI STATE UNIVERSITY

The Dave C. Swalm School of Chemical Engineering at Mississippi State University invites applications for a tenure-track faculty position at the Assistant Professor level, with the appointment to begin August 16, 2012. Applicants must have a B.S. degree in Chemical Engineering, with a Ph.D. in Chemical Engineering or a related field. The successful candidate will develop an externally funded research program and demonstrate excellence in teaching. The Dave C. Swalm School of Chemical Engineering is housed in a state-of-the-art building dedicated to Chemical Engineering. The School currently enrolls over 250 undergraduate and graduate students and annually conducts nearly \$4M in externally funded research. Mississippi State University is located in Starkville, Mississippi, a vibrant college town located in Northeast Mississippi. More information about the Dave C. Swalm School of Chemical Engineering can be found at www.che.msstate.edu. **Applicants should apply via the MSU employment website (www.jobs.msstate.edu) and include a detailed vita, a statement of research and teaching interests, and the names and addresses of three references.** Review of applications will begin on October 1, 2011, and continue until the position is filled. MSU is an AA/EOE.

TENURE-TRACK POSITION VILLANOVA UNIVERSITY

Villanova University invites applications for a tenure-track position in the Department of Chemical Engineering to begin in August 2012. An earned doctorate in Chemical Engineering or a closely allied discipline is required. The applicant must be committed to excellence in engineering education, must be an excellent communicator and must be able to develop an active and funded research program that will lead to scholarly growth and development. Research interests are open; but alternative energy and bioengineering are preferred. Areas suitable for collaborations with current faculty will be considered important. Appointment at either a junior or a senior level is possible, depending on the credentials and qualifications of the applicant. Villanova is an Affirmative Action/Equal Opportunity Employer. We are committed to building a diverse faculty and strongly encourage applications from women, minorities, and individuals with disabilities who understand and support the values inherent in Villanova's Catholic character and Augustinian tradition. We offer B.S., M.S., and Ph.D. degrees along with a M.S. in Sustainable Engineering. **All application materials must be submitted online at jobs.villanova.edu and should include an application letter, resume, statements of research and teaching experience and vision, transcripts, and the names and contact information of three professional references.** Application materials are due no later than December 1, 2011.

THE CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA - CHEMICAL AND MATERIALS ENGINEERING DEPARTMENT

invites applications and nominations for a tenure-track faculty position in Chemical Engineering. **For information, contact: Faculty Search Committee, Chemical and Materials Engineering Department, California State Polytechnic University, Pomona, 3801 West Temple Avenue, Pomona, CA 91768; by telephone at (909) 869-2626; by e-mail at simson@csupomona.edu; or on the web at www.csupomona.edu/~cme.** A review of completed applications will begin on December 12, 2011 and will continue until the position is filled. The University is an EO/AA employer and only accepts degrees from accredited educational institutions.

VISIT AIChE'S CAREERENGINEER JOB BOARD FOR ADDITIONAL EMPLOYMENT OPPORTUNITIES

<http://careerengineer.aiche.org> or

<http://www.aiche.org> (Career Resources then Find a Job)

Employers seek AIChE members due to their commitment to professional excellence. AIChE Membership gives you the job-seeking advantage.

Upload your resume FREE for employers to contact you. Member resumes are placed at the top of the list for employers to view first. Some of the many positions found on AIChE's targeted chemical industry job board include those for employers participating in the

CHEMICAL ENGINEERING ONLINE CAREER FAIR - October 4-5, 2011

AIChE brings key industry employers together with qualified job-seekers for a career fair that fits your schedule and your budget. Position openings requiring a BS degree through experienced PhD openings will be recruited for.

Employer and jobseeker details can be found at http://careerengineer.aiche.org/home/index.cfm?site_id=1932

- **Sr. Process Development Engineer**
SABIC Technology Center (Platinum Employer)
- **Senior Process Development Engineer**
Metabolix, Inc.
- **Chemical Engineer**
Eastman Chemical Co.
- **Chemist I/II**
Dr. Reddy's Laboratories, Inc.
- **Process Technology Engineers**
SABIC-Innovative Plastics
- **O/E Production Engineers**
Stepan



RISE & SHINE

REC Silicon

• The bright spot here? Our employees.

With complex challenges and shared values, REC Silicon's workforce is recognized worldwide for producing raw materials used extensively in quality-of-life technologies from solar cells to semiconductors. You could say there's a special energy here.

REC Silicon | Moses Lake, WA - Butte, MT - Houston, TX | recgroup.com

FACULTY OPENINGS UNIVERSITY OF COLORADO

University of Colorado (www.colorado.edu/che). The Department of Chemical and Biological Engineering seeks to hire exceptional candidates at all levels (assistant, associate, and full professors). Candidates with interests in all research areas will be considered and applications are particularly encouraged in biological-, energy- and materials-related areas. **Applicants should go to <http://www.colorado.edu/che/department/faculty-search.html> for information on submitting their applications.** Review of applications will begin in October 2011. The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at (303) 492-1334.

THE UNIVERSITY OF SOUTH CAROLINA

invites applications for a tenure-track Assistant Professor position in Polymer Nanotechnology in the Department of Chemical Engineering. Preference will be given to those candidates that have a strong background in the areas of Polymer Nanotechnology and Nanocomposites: however, outstanding candidates from all areas of polymer science and engineering are encouraged to apply. Exceptional candidates may be considered at a higher rank. Applicants should possess a Ph.D. degree in chemical engineering, polymer or materials science and

engineering, or a related field, and are expected to teach core courses in the chemical engineering department as well as courses in polymer chemistry and engineering curriculum. The successful candidate is expected to develop an internationally recognized, externally funded research program as part of the USC research in the new Horizon I research building. **Interested applicants should send one (1) complete PDF file that includes a letter of application, curriculum vitae, a concise description of research and teaching plans, and have three letters of reference sent to: Search Committee Chair, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208 via ChemEngSearch@cec.sc.edu.** For full consideration, applications must be received by December 2, 2011. The University of South Carolina is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation or veteran status.

THE UNIVERSITY OF SOUTH CAROLINA

invites applications for a tenure-track Assistant Professor position in Renewable Fuels in the Department of Chemical Engineering. Applicants should possess a Ph.D. degree in Chemical Engineering, or a related field. Exceptional candidates may be considered at a higher rank. The successful candidate is expected to develop

an internationally recognized, externally funded research program as part of the USC research in the new Horizon I research building. **Interested applicants should send one (1) complete PDF file that includes a letter of application, curriculum vitae, a concise description of research and teaching plans, and have three letters of reference sent to: Search Committee Chair, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208 via ChemEngSearch@cec.sc.edu.** For full consideration, applications must be received by December 2, 2011. The University of South Carolina is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation or veteran status.

AUBURN UNIVERSITY, DIRECTOR OF THE ALABAMA CENTER FOR PAPER AND BIO-RESOURCE ENGINEERING, SAMUEL GINN COLLEGE OF ENGINEERING, DEPARTMENT OF CHEMICAL ENGINEERING

Director of the Alabama Center for Paper and Bioresource Engineering: The Auburn University Department of Chemical Engineering invites applications for the position of Director of the Alabama Center for Paper and Bioresource Engineering. The director will play a key role in pursuing the missions of the Auburn Pulp and Paper Foundation and will provide leadership to the pulp and paper research and manufacturing community. The director will foster research and education in the pulp, paper and biorefining engineering areas and allied disciplines. The director is responsible for the research and educational programs of the center at both the graduate and undergraduate levels. The academic rank for this director and associated faculty position (tenure-track or non-tenure-track) will be commensurate with the successful candidate's qualifications and experience. The successful candidate will demonstrate a strong commitment to excellent administration and the fostering of research, teaching, and outreach. Experience within the paper and bioresource arena is desired. Rank and salary are commensurate with experience and qualifications. The candidate must have a Ph.D. (or equivalent experience) in Chemical Engineering, other engineering disciplines or forest products related disciplines. A detailed description of the position and the qualifications is found at the Chemical Engineering Department website <http://eng.auburn.edu/programs/chen/>. Review of applications will begin November 1, 2011. Auburn University is an Affirmative/Equal Opportunity employer and encourages minorities and women to apply for this position. **Candidates should send a resume, the names of three references as well as a description of their leadership, research and education plans/accomplishments as they would relate to the center's mission. These materials should be sent by email to: Search Committee Chair, position #148000, acpabe.search@eng.auburn.edu, Department of Chemical Engineering, Auburn University, Auburn, AL 36849-5127.**

TEXAS A&M ENGINEERING

The Artie McFerrin Department of Chemical Engineering at Texas A&M University (<http://che.tamu.edu/>) invites applications for one non-tenured faculty position at the Assistant Lecturer ranking. This non-tenured faculty position requires teaching and overseeing our chemical engineering unit operations laboratory related to Chemical Engineering, and is subject to budgetary availability, student enrollment and programmatic needs; industrial experience is highly desirable. To apply, please send a curriculum vita, the names of three references and a letter of interest describing areas of expertise, highest academic degree, teaching experience, and any other relevant information to Dr. CHARLES J. GLOVER, ARTIE McFERRIN DEPARTMENT OF CHEMICAL ENGINEERING, 3122 TAMU, TEXAS A&M UNIVERSITY, COLLEGE STATION, TX 77843-3122. Applications will be considered until the positions are filled. Texas A&M University is an Equal Opportunity/Affirmative Action Employer committed to diversity. Candidates from under-represented groups are strongly encouraged to apply.

Tenure-track Faculty Positions at National University of Singapore Department of Chemical and Biomolecular Engineering

The Department of Chemical & Biomolecular Engineering at National University of Singapore invites applications for tenure-track faculty positions at all levels. The Department is one of the largest internationally with excellent in-house infrastructure for experimental & computational research. A PhD in chemical engineering or related areas and a strong research record with excellent publications are required.

Please refer to: <http://www.chbe.nus.edu.sg/career/career-faculty.html> for more information on the areas of interest and application details. Applicants should send a full curriculum vitae (including key publications), a detailed research plan, a statement of teaching interest, and names of at least three references to: Prof. Jim Yang LEE, Head of Department (Attention: Ms. Nancy Chia, email: nancychia@nus.edu.sg). Shortlisted candidates are invited to meet the Faculty Search Committee at the 2011 AICHE Annual Meeting in Minneapolis.

