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FOR ChE JOBS”

<http://careerengineer.aidche.org>

## POSITIONS OPEN

### SR. METALLURGIST WYMAN GORDON FORGINGS, INC.

Wyman Gordon Forgings, Inc. seeks Sr. Metallurgist to provide advanced technical support for specialty forged and extruded products. Position will be responsible for internal product and process development, externally funded contract programs and manufacturing support for high temperature nickel and titanium gas turbine forgings and critical power plant steel piping. Job location: Houston, TX. Position requires Masters in Metallurgical or Materials Engineering and 1 year of related research and metallurgy experience. **Mail resumes to: Wyman Gordon Forgings, Inc., Attn: R. Gray, 10825 Telge Road, Houston, Texas 77095. Must refer to job code PK0001 when applying.**



### Analytical Chemist / Quality Lead

The Quality and Technical Group at IDI Composites International is looking for a strong task oriented individual with a sound background in Quality & Analytical Chemistry.

#### Major Responsibilities:

- Develop Quality Control Methodologies
- Lead testing protocols and methodology
- Evaluates process capability and develops solutions for improving process control
- Prepare equipment specifications and perform Gage Acceptability testing
- Provides project management
- Evaluate existing equipment and layout

#### Requirements:

- Bachelor's degree in Chemistry, Engineering, Plastic Manufacturing, Chemical Engineering or similar scientific/engineering degree.
- Knowledge of quality assurance/control and general operational software
- Proven ability to handle many projects and provide professional leadership

Operation of the following instruments would be required: FT-NIR, FT-IR, DCA and Shrink Fixtures.

Strong working knowledge of Microsoft excel, word, PowerPoint, and statistical software is needed. The ability to write specifications and communicate methods is expected.

**Email resume to: [resume@idicomposites.com](mailto:resume@idicomposites.com)**

EOE

## ACADEMIC OPENINGS

### FACULTY POSITIONS UNIVERSITY OF WISCONSIN-MADISON

The Department of Chemical and Biological Engineering, University of Wisconsin-Madison invites outstanding individuals to apply for tenure-track or tenured faculty positions. Two searches are underway. The first is part of the Wisconsin Bioenergy Initiative: a university-based coalition that capitalizes and expands the talent to create, commercialize and promote bioenergy solutions. In order to advance these goals, UW-Madison is seeking to hire a faculty member with interest and expertise in catalytic conversion of biomass to fuels. **Individuals with proven research in the development of novel chemical conversion routes, catalyst development, or catalytic processes are encouraged to apply online at <http://newfac.wbi.wisc.edu/>. Applications received prior to March 9, 2012 will receive full consideration. In addition, we seek outstanding individuals with a strong background and research interests relevant to Chemical or Biological Engineering. Send resume, cover letter and statement of research and teaching interests to Prof. Nicholas Abbott, [abbott@enr.wisc.edu](mailto:abbott@enr.wisc.edu). To ensure consideration, applications must be received by Feb. 22, 2012.** Candidates should have a distinguished academic

### VISIT AICHE'S CAREERENGINEER JOB BOARD FOR ADDITIONAL EMPLOYMENT OPPORTUNITIES

<http://careerengineer.aidche.org>

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:

- **Project Engineer (Chemical Industry – Capital Projects) – Arkema**
- **Technical Manager – POET**
- **Sr. Engineer (Process) – ConAgra**
- **Project Manager – BASF, The Chemical Company**
- **Sr. Principal Chemical Engineer – Neumann Systems Group**
- **Technical Services Rep – Olin Chlor Alkali Products**
- **Process Engineer – Southern Company**
- **Maintenance Engineer – Flint Hills Resources, LP**
- **Production Engineer, Utilities – Rayonier**
- **Sr. Process Engineer – Gevo, Inc.**

record, exceptional potential for creative research and a commitment to both graduate and undergraduate instruction. For more senior applicants, an outstanding reputation in the field of specialty is a prime requirement. Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an Equal Opportunity/Affirmative Action employer. We promote excellence through diversity and encourage all qualified applicants to apply.

#### **ASSISTANT PROFESSOR UNIVERSITY OF MINNESOTA DULUTH**

The Chemical Engineering Department at the University of Minnesota Duluth has two tenure-track assistant professor positions available beginning August 27, 2012. Two separate searches are being conducted for these two positions. Job duties and responsibilities include teaching and research in the fields of biochemical engineering or mineral/material processing, teaching and service in the department, and provide service to the university and to the profession. Essential qualifications include B.S. and Ph.D. from a regionally accredited university in the field of chemical engineering or closely related fields (by June 1, 2012), excellent communication skills, the ability to teach core chemical engineering courses and laboratories to a diverse group of students at both undergraduate and graduate levels, and demonstrated ability to conduct independent research. **The University of Minnesota requires that you apply online for**

**this position. For complete position descriptions and information on how to apply online, visit <http://employment.umn.edu/>, and search for Job Requisition 175998 for the biochemical engineering position or 175535 for the mineral/material processing position.** Complete applications will be reviewed beginning February 13, 2012 for the biochemical engineering position; Job Requisition 175998. Complete applications will be reviewed beginning March 7, 2012 for the mineral/material processing position; Job Requisition 175535. The University of Minnesota is an equal opportunity educator and employer.

#### **AMERICAN UNIVERSITY OF BEIRUT ASSISTANT/ASSOCIATE POSITIONS IN CHEMICAL ENGINEERING**

The Faculty of Engineering and Architecture at the American University of Beirut invites applications to fill several faculty positions in Chemical Engineering at the Assistant and Associate professor ranks. Applications in all research areas will be considered, specifically candidates with expertise in core Chemical Engineering subjects (Thermodynamics, transport phenomena, reactor engineering, separation processes, and process control and optimization), environmental, energy, biomolecular and nanoscale systems, or bioprocessing. Applicants must have a PhD degree in Chemical Engineering, preferably with postdoctoral or industrial experience. At least one degree must be in chemical engineering. The applicant is expected to have a leading role in maintaining strong undergraduate and graduate

programs, to pursue vigorous research and attract external funding. Salary is commensurate with education and experience. Applications will be reviewed on a rolling basis until the positions are filled. **Applicants are invited to submit a complete resume, a brief statement of their interests that includes their vision on teaching and research, and the names of at least four references with their detailed addresses. The complete application should be sent to: Dean, Faculty of Engineering and Architecture, American University of Beirut, email: [fea@aub.edu.lb](mailto:fea@aub.edu.lb), P.O. Box 11-0236, Riad El-Solh, Beirut 1107-2020, Lebanon.** Information on the Faculty of Engineering and Architecture in AUB can be found at [www.aub.edu.lb/fea/](http://www.aub.edu.lb/fea/). The American University of Beirut is an Affirmative Action/Equal Opportunity Employer. AUB's home page is at [www.aub.edu.lb](http://www.aub.edu.lb).

#### **NMSU COLLEGE OF ENGINEERING SEEKS DEPARTMENT HEAD**

We seek a recognized engineering educator and researcher with a Ph.D. degree in Chemical Engineering or closely-related field at the time of appointment with eligibility for appointment and tenure at the rank of associate or full professor within the Department of Chemical Engineering. **To view complete job posting and instructions on how to apply go to <http://www.nmsu.edu/~personel/postings/faculty/> or (Req. #2011005178).** Review of applications will begin March 1, 2012. Application materials received after this date may be considered.



At Dover Chemical our success has been driven by the concerted efforts and collective vision of our people. Our goal is to create an environment that attracts and retains talented, ethical and responsible individuals who embrace a culture of entrepreneurial thinking and the courage and curiosity to question the status quo. If you share these values and goals, we can provide you a career where your talents and ambitions are recognized and rewarded. You will have opportunities to work on challenging projects that will expand your talent and enhance your professional capabilities.

Dover Chemical Corporation is currently accepting resumes for the following positions:

- > Process Engineer
- > Project Engineer
- > Reliability Engineer
- > Process Controls Engineer/ Programmer
- > Midwest Regional Sales Manager

Competitive benefits package. For more information about these opportunities, please visit our web-site at <http://doverchem.com>

#### **SENIOR LECTURER, INDUSTRIAL PROCESS AND PRODUCT DESIGN**

*Cornell University, located in Ithaca, New York, is an inclusive, dynamic, and innovative Ivy League university and New York's land-grant institution. Its staff, faculty, and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university's mission of teaching, research, and outreach.*

The School of Chemical and Biomolecular Engineering at Cornell University seeks applications for the position of Lecturer in Industrial Process and Product Design. Requirements for the position include a B.S. in chemical engineering or the equivalent and a minimum of 5 years of industrial experience, preferably not limited solely to activities in research and development. Appointment at the level of Senior Lecturer will be considered for candidates with exceptional credentials.

A successful applicant will be expected to lead a senior level capstone course in process and product design while working with other members of the faculty and with graduate teaching assistants. Duties in this capstone course include lecturing on core course concepts, including engineering economics, developing and managing design projects, and interacting with student teams, other faculty and TAs in weekly meetings. We also encourage the successful applicant to develop elective courses, based on the applicant's own industrial experience, for upper-level undergraduate and Master of Engineering students. The applicant should be skilled in leadership, management, and written and oral communication and should strive to have a lasting pedagogical impact on our students.

Lecturers and Senior Lecturers in the College of Engineering at Cornell University are expected to (i) excel in classroom teaching; (ii) contribute to the development of courses, both syllabi and teaching materials; and (iii) participate in advising of students, as well as their academic and honorary societies. Additionally Senior Lecturers are expected to (iv) make substantial contributions to course design, syllabi, organization and lasting teaching materials; (v) provide leadership in supervising and training teaching assistants and new Lecturers; and (vi) provide educational contributions and leadership in areas of importance to the department, college and, where appropriate, to the university and nation.

Interested applicants should go to the following link to submit their curriculum vitae, and a brief cover letter outlining their interests and plans for the position: <https://academicjobsonline.org/ajo/jobs/1363>. This position can be filled as soon as 16 August 2012, and applications will be accepted until the position is filled. For Lecturers, appointments are for 3 years and renewable; for Senior Lecturers they are for 5 years, also renewable.



**Cornell University**  
*Cornell University is an affirmative action/  
equal opportunity employer and educator.*



## Faculty and Instructor Positions McDougall School of Petroleum Engineering The University of Tulsa

The McDougall School of Petroleum Engineering at the University of Tulsa invites applications and nominations for two tenure track faculty positions at the Assistant or Associate Professor's level and for two Instructor positions.

For the tenure track faculty positions, a strong preference will be given to candidates with research expertise in reservoir engineering, particularly in reservoir simulation and/or enhanced oil recovery, but anyone with research interest in petroleum engineering related areas is encouraged to apply. Applicants must have an earned Ph.D. in engineering, geophysics, physics or applied mathematics. A successful applicant will have the ability to provide teaching excellence in a variety of petroleum engineering courses, both at the graduate and undergraduate levels. Successful applicants will have the ability to produce high quality research suitable for publication in peer-reviewed journals with a high impact factor, develop a funded research program, supervise M.S. and Ph.D. students and will also have an interest in participating in internal and external service activities. The terms of appointment will correspond to candidate's credentials and to the TU faculty appointment guidelines.

The Instructor positions are for the 2012-2013 academic year beginning August 20th, 2012. The successful candidates must have good communication and teaching skills, with minimum qualifications of either a Ph.D. in Petroleum Engineering, or a B.S. or M.S. in Petroleum Engineering with at least 5 years of Petroleum Engineering industrial experience. Teaching experience is an asset. Responsibilities include teaching at least two undergraduate courses per semester, in addition to supervision of undergraduate labs. Preference will be given to candidates with teaching or industrial experience in at least two of the three teaching areas (drilling, production and reservoir).

The School currently has 11 full time faculty and 1 instructor, and offers bachelor, master, and doctoral degrees in Petroleum Engineering. Current enrollment includes approximately 325 undergraduate students and 80 graduate students. The University of Tulsa has a strong research tradition with an average research funding of 6 million dollars per year. Our unique research strength is evident from 9 research consortia funded by the industry with an excellent balance between applied and theoretical research.

The University of Tulsa is a private comprehensive university with approximately 4,000 students enrolled in its four academic colleges. The McDougall School of Petroleum Engineering resides administratively within the College of Engineering and Natural Sciences, which consists of four engineering departments, four science departments, and the department of mathematical and computer sciences. More information is available at The University of Tulsa website: <http://www.utulsa.edu>.

The Search Committee will be reviewing applications for all positions beginning January 15, 2012. The tenure track positions selection process will continue until suitable candidates are found. The deadline for applications for the instructor positions is March 30, 2012.

Applicants should submit a complete vita, along with the names and addresses of four references to:

**Dr. Mauricio Prado, Search Committee Chairman**  
McDougall School of Petroleum Engineering, The University of Tulsa  
800 South Tucker Drive, Tulsa, OK 74104

*The University of Tulsa is an EEO/AA employer.*



**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON

### BIOENERGY TENURE-TRACK FACULTY POSITION

The University of Wisconsin-Madison is committed to improving our energy future through renewable energy research and discovery. To facilitate that commitment, UW-Madison's College of Agricultural and Life Sciences (CALS) formed the Wisconsin Bioenergy Initiative (WBI) to grow bioenergy expertise among UW-Madison, UW-System and Wisconsin stakeholders. In order to advance these goals, UW-Madison is seeking to hire a faculty position with interest and expertise in catalytic conversion of biomass to fuels. Individuals with proven research in the development of novel chemical conversion routes, catalyst development, or catalytic processes are encouraged to apply.

The position requires instruction in undergraduate and graduate coursework in both core disciplinary courses as well as a renewable energy curriculum. Interdisciplinary and interdepartmental research will be expected to develop both a nationally and internationally recognized research program to further renewable energy solutions. The successful candidate is expected to strengthen and capitalize on strong ties with industry, institutions and government agencies, and to become a nationally and internationally recognized individual. The individual will also contribute to UW-Madison's strong commitment to faculty governance and the Wisconsin Idea through department, university, professional, and public service. Perform university and community service as appropriate.

Full position description and requirements can be found at:

[http://www.ohr.wisc.edu/pvl/pv\\_072331.html](http://www.ohr.wisc.edu/pvl/pv_072331.html)

Applications, nominations, and inquiries are all invited. Application materials must be received before 3/9/12. Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an equal opportunity employer.

### 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.