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**POSITIONS OPEN**

**PROCESS SCIENTIST, FIRMENICH**

Firmenich is an international company with a reputation for excellence as a creator and manufacturer of flavors, perfumes and specialty ingredients. Our R&D Center in Shanghai, China is seeking a dedicated and talented Process Scientist to develop and scale up processes and technologies for extraction and purification of unique flavor and perfume ingredients from natural materials. Required: Ph.D. in chemical engineering or related field, strong process development skills, hands-on experience in the field of separation processes, and fluency in English. Preferred: industrial experience (up to five years) in natural products processing, fluency in Mandarin Chinese. **Please send resume to [sissi.cheng-xi.shen@firmenich.com](mailto:sissi.cheng-xi.shen@firmenich.com).**

**Visit AIChE's CareerEngineer Job Board  
for Additional Employment Opportunities  
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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:

- **Process Engineer**  
*Georgia Pacific*
- **Process/Production Engineer**  
*Sun Recruiting*
- **Sr. Process Engineer**  
*BP*
- **R&D Chemist/Chemical Engineer**  
*BAE Systems*
- **Research Director**  
*Arkema*
- **Sr. Process Engineer**  
*Bostik*
- **Process Safety and Operational Excellence Specialist**  
*Chevron Phillips Chemical Company LP*
- **Asset Integrity, Material Engineer, Operations**  
*Canadian Natural Resources Ltd.*

**STAFF ENGINEER (PROJECT MANAGER)**

The Engineering department in Hannibal, Missouri executes capital investment projects and the Staff Engineer (Project Manager) is the focal point of responsibility, authority, and accountability of these projects. Responsibilities: Achievement of objectives including functionality, cost and schedule for project investments to \$10 Million; developing execution and contracting strategies; oversee Change Management process, providing cost and schedule control; champion scope development process, look for Value Improving Practices. Required: BS Chemical or Mechanical Engineering; 8 years project management, 10 years engineering experience; successful record executing large capital projects; in-depth knowledge of PM processes, project execution best practices. Preferred: Knowledge of SAP system. **Apply online: <http://bit.ly/1202672staffengadv>.**

**MILWAUKEE SCHOOL OF ENGINEERING**

## BIOMOLECULAR ENGINEERING

The Milwaukee School of Engineering launched a new undergraduate program in BioMolecular Engineering in the fall of 2009. Committed to building a strong team, we have added several new faculty members to the program, and are currently inviting applications for one more position, starting as early as fall of 2013.

This individual is expected to primarily contribute to the development of the program. A Ph.D. in Biomolecular, Chemical, or Biochemical Engineering, or closely related field along with bachelor's in a closely related engineering field, as well as an aptitude for developing biomolecular engineering senior year design projects and teaching undergraduate level courses in the diverse areas of biomolecular engineering is required. Additionally, the candidate should have a commitment and ability to teach at the undergraduate level in one or more of the following disciplines: biology, physics and/or chemistry. Experimental lab and design skills at the molecular and/or nano-scales are also required. Industrial, postdoctoral experience or teaching experience in one of the above areas is desirable. Initial appointments are expected to be at the Assistant Professor level, but applications from senior candidates may be considered for a higher rank.

MSOE is a private, application-orientated university with programs in engineering, engineering technology, technical communication, business, construction management and nursing. Primarily a 4-year undergraduate institution, we emphasize excellence in teaching. Applied research involving undergraduate students, and consulting, are encouraged.

**Please visit our website at <http://www.msOE.edu/hr/> for additional information including requirements and the application process.**

MSOE IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

## PROCESS SAFETY WRITER CENTER FOR CHEMICAL PROCESS SAFETY

The American Institute of Chemical Engineers (AIChE), founded in 1908, is a professional association of more than 40,000 chemical engineers worldwide. AIChE fosters and disseminates chemical engineering knowledge, supports the professional and personal growth of its members, and applies the expertise of its members to address societal needs and improve the quality of life. We are currently seeking a Process Safety Writer for our Center for Chemical Process Safety (CCPS) team. Responsibilities/Qualifications: Develop written products, including CCPS's Guideline and Concept series books as well as papers, technical papers, and other shorter pieces, all in support of CCPS's mission to eliminate process safety incidents; participate in book committees, transferring the themes, methodologies, and rationale developed by the committee into finished books and associated tools that are well organized, readable, and useful; a BS degree is required, as well as a passion for process safety; a minimum of 10 years experience in a role with direct process safety experience; prior book authorship experience is not required, but the successful candidate should have a significant portfolio of technical writing; exceptional organizational and interpersonal skills are required; strong process safety and engineering knowledge; 10% travel. **Interested candidates may email their resume and cover letter to [recruitment@aiiche.org](mailto:recruitment@aiiche.org). Please note the title of the position in the subject line of the email.** The American Institute of Chemical Engineers is an Equal Opportunity Employer.

## ACADEMIC OPENINGS

### TENURE-TRACK/TENURED FACULTY POSITION IN SUSTAINABLE ENERGY

The Department of Chemical and Materials Engineering in the College of Engineering at the University of Alabama in Huntsville invites applications for a tenure-track or tenured faculty position in the area of sustainable energy with emphasis in bio-related processes. The position is open to all ranks but ideally we seek to attract an established Assistant or Associate Professor. A complementary search in the area of sustainable energy conversion and storage is also underway in the department of Mechanical and Aerospace Engineering. Applicants should have an earned Ph.D. degree preferably in Chemical Engineering or a closely related discipline, and possess (a) a strong record of research scholarship and an ability to develop externally funded research programs within a collaborative environment, (b) a strong commitment to teach and mentor undergraduate and graduate students, and (c) dedication towards university and professional service. It is expected that applicants seeking appointment to ranks higher than Assistant Professor will have a significant track record in all aspects of research, teaching, and service. Consideration of applications will begin immediately, and the search will remain open until the position is filled. **Application material (in pdf format) including a cover letter, curriculum vitae, contact information (including name, address, email, and phone number), for at least three references, and separate statements of research**

**plans and teaching interests, should be sent to [chesearesearch@eng.uah.edu](mailto:chesearesearch@eng.uah.edu).** The anticipated starting date is August 14, 2013. UAHuntsville is an Affirmative Action/Equal Opportunity Employer. Consistent with our core values of integrity, respect, diligence, excellence, inclusiveness and diversity, the University strongly encourages applications from members of all under-represented groups.

### CLUSTER HIRING OF ADVANCED MATERIALS AND MANUFACTURING FACULTY

Wayne State University's College of Engineering plans to hire up to four tenure-track faculty in the area of advanced materials and manufacturing. As part of this cluster hire, we anticipate the creation of Center for Advanced Materials and Manufacturing. Rank will be assistant or associate professor levels for the 2013-14 academic year. Candidates should have a Ph.D. in a related field and are expected to develop vigorous research programs and participate in undergraduate and graduate teaching. **The full posting can be reviewed at: <https://jobs.wayne.edu> posting # 039057.**

### CLUSTER HIRING OF BIOMEDICAL, NANOMATERIALS AND SYSTEMS FACULTY

The College of Engineering at Wayne State University seeks to hire up to six tenure-track faculty in the area of biomedical, nanomaterials, and nanosystems engineering. The cluster hire is part of WSU's interdisciplinary Nano Center currently comprising more than 20 faculty members. The positions will be assistant or associate professor levels for the 2013-14 academic year. Candidates should have a Ph.D. in engineering or related field. Candidates are expected to develop federally funded research programs and participate in undergraduate and graduate teaching. **The full posting can be viewed at: <https://jobs.wayne.edu>; posting #039058.**

### CHAIR OF THE DEPARTMENT OF CHEMICAL & BIOMEDICAL ENGINEERING AT THE FAMU-FSU COLLEGE OF ENGINEERING

**(jointly operated by Florida A&M University and Florida State University).** Applications and nominations are invited from highly qualified individuals for the position of Chair of the Department beginning August, 2013. Candidates for the position should have a Ph.D. in chemical engineering, biomedical engineering, or related field and a proven record of leadership and accomplishment in both scholarly research and teaching. All research areas will be considered, but priority will be given to candidates who can build upon existing strengths in advanced materials, energy and/or biomedical engineering in the Department and two Universities. The Chair reports to the Dean of the College of Engineering and is responsible for administrative, budgetary and personnel decisions within the department, as well as industrial partnerships and alumni relations. The appointment will be at the rank of Full Professor. Salary will be commensurate with qualifications and experience. The Department has a dynamic group of faculty, and there are many opportunities for interaction and collaboration with the National High Magnetic Field Laboratory, the FSU College of Medicine, and other existing programs. (Details can be found at the Department web page: [www.eng.fsu.edu/cbe](http://www.eng.fsu.edu/cbe)). **Qualified applicants should send a detailed résumé, and the**

#### THE UNIVERSITY OF TENNESSEE KNOXVILLE Department of Chemical & Biomolecular Engineering COLLEGE OF ENGINEERING

Applications and nominations are invited for a tenured position at the associate professor level in chemical and biomolecular engineering. We seek candidates with expertise in one or more of a wide range of specialties that will contribute to our departmental emphases in biomolecular engineering, advanced materials, or sustainable energy. Candidates must possess a vitae that demonstrates a proven funding record and excellent academic credentials. A PhD or equivalent doctoral level degree in chemical engineering or a closely related field is required. The successful candidate will develop independent and collaborative research programs and teach undergraduate and/or graduate courses. Abundant opportunities for extra-departmental collaboration exist, including those at nearby Oak Ridge National Laboratory, the UT Medical Center, College of Veterinary Medicine, and College of Arts and Sciences, providing an outstanding infrastructure for experimental and computational research.

Interested individuals should submit a letter of application, a statement of research and teaching interests and plans, current resume, copies of up to three pertinent publications, and names and contact information of at least three references to [chesearesearch@utk.edu](mailto:chesearesearch@utk.edu) (electronic submissions are highly encouraged) or to Dr. Stephen J. Paddison, Faculty Search Committee Chair, Department of Chemical and Biomolecular Engineering, 321 Dougherty Engineering, University of Tennessee, Knoxville, TN 37996-2200.

Review of applications will begin immediately and continue until the position is filled.

*The University welcomes and honors people of all races, genders, creeds, cultures, and sexual orientations, and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity.*

*The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services.*

#### THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY Department of Chemical and Biomolecular Engineering Faculty Positions

The Department of Chemical and Biomolecular Engineering (CBME) at the Hong Kong University of Science and Technology is inviting applications for **tenure-track faculty positions**. One position is in process systems engineering (PSE) field (at Assistant Professor rank preferred) and another position is in biomolecular engineering, energy, green processing or materials field (to be considered at all ranks). Applicants should have a PhD degree in chemical engineering or related fields. Outstanding candidates from any chemical engineering research area will be considered. Preference, however, will be given to those with a proven record in particular research areas consistent with the departmental strategic plan, namely, advanced materials/nano, environmental/energy, process systems engineering, and bioengineering.

The successful candidates are expected to be able to develop strong, independent and innovative research programs, and be capable of teaching chemical and biomolecular engineering courses at both undergraduate and postgraduate levels.

The salary is highly competitive with generous fringe benefits. Initial appointment at Assistant Professor level will normally be on a three-year contract, renewable subject to mutual agreement. A gratuity will be payable upon successful completion of contract. Senior appointment terms are subject to negotiation and in accordance with the University's appointment policy.

Applications together with a curriculum vitae, research and teaching plans, and the names and addresses of three referees should be sent to: **Professor Yongli Mi, Search and Appointments Committee Chair** (email: [cbmhire@ust.hk](mailto:cbmhire@ust.hk)), Department of Chemical and Biomolecular Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. Review of applications will start in February 2013 and will continue until suitable appointments are made.

For further details about the Department and its current research activities, please refer to [www.cbme.ust.hk](http://www.cbme.ust.hk). (Information provided by applicants will be used for recruitment and other employment-related purposes.)



names and contact information of at least three professional references, as well as a statement of educational, research and leadership philosophy, and a strategic vision for enhancing the research and educational mission of the department. Evaluation of candidates will start January 1st, 2013 and continue until the position is filled. Applications in PDF format should be sent electronically via: <https://jobs.fsu.edu>, Job Opening ID # 35044. The FAMU-FSU College of Engineering is an AA/EEO employer; members of underrepresented groups are especially encouraged to apply.

#### CLARKSON UNIVERSITY

##### WALLACE H. COULTER SCHOOL OF ENGINEERING GE CHAIR PROFESSORSHIP IN OIL & GAS SYSTEMS

Wallace H. Coulter School of Engineering (CSOE) at Clarkson University invites applications for the General Electric (GE) Chair Professorship in Oil & Gas Systems. This is a full-time position with an anticipated starting date of August 2013. A strong record of scholarly accomplishment and/or relevant industrial experiences, as well as a Ph.D. in a relevant engineering discipline is required. Applications are encouraged from individuals whose research programs can contribute to broad areas of oil and gas engineering. This position offers a competitive salary, attractive fringe benefits and a generous start-up package. In addition Clarkson University is committed to providing the resources needed to enable the Chair to establish an internationally recognized research and educational program. The Coulter School of Engineering has four departments: Chemical and Biomolecular Engineering (CBE), Civil and Environmental Engineering (CEE), Electrical and Computer Engineering (ECE) and Mechanical and Aeronautical Engineering (MAE). All departments offer B.S. degrees. Graduate degrees include M.E., M.S. and Ph.D. degrees in mechanical engineering, civil and environmental engineering, electrical and computer engineering, chemical engineering, environmental science and engineering, materials science and engineering, and engineering science. The successful GE Chair will be expected to develop a strong funded research program in oil and gas engineering, lead and mentor junior faculty members, and develop and teach graduate and undergradu-

#### DEPARTMENT OF CHEMICAL AND BIOLOGICAL ENGINEERING



The University of Alabama Department of Chemical and Biological Engineering invites applications for two new faculty positions at the assistant or associate level in the area of environmental and water resources engineering which are part of a focused investment by the College of Engineering in environmental research. Successful candidates will participate in the University's Environmental Institute ([ei.ua.edu](http://ei.ua.edu)) whose mission is to be a national leader in research on environmental issues related to water, air, and land resources, and involves multiple departments including Chemical and Biological Engineering, Civil, Construction and Environmental Engineering, Electrical and Computer Engineering, Geology, and Biology. The successful candidate must have a balanced perspective on research and instruction at both graduate and undergraduate levels. Applicants must hold a doctoral degree in chemical engineering or a closely related field. The preferable starting date for the positions is August 2013. **Applicants may submit a resume, a statement of research and teaching interests, and a list of three references via the University of Alabama employment website ([facultyjobs.ua.edu](http://facultyjobs.ua.edu)), requisition number 0806155.** Questions may be addressed to the search committee at [ecarlson@eng.ua.edu](mailto:ecarlson@eng.ua.edu). Review of applications will begin immediately and will continue until the positions are filled. The University of Alabama is an equal opportunity/affirmative action employer.



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

## Assistant Professor (Tenure Track) of Process Intensification

The Department of Mechanical and Process Engineering ([www.mavt.ethz.ch](http://www.mavt.ethz.ch)) at ETH Zurich invites applications for the above-mentioned position. Applicants should demonstrate a strong background in engineering and natural sciences and, in particular, transport phenomena. They should have a strong motivation and undisputable commitment to undergraduate and graduate student education. The successful candidate is expected to establish an ambitious, world-class program in a research-intensive cross-disciplinary environment at the Institute of Process Engineering where state-of-the-art research in characterization, analysis, and synthesis is ongoing. Excellent research and teaching lab facilities are being established across ETH Zurich (including the initiative with IBM Zurich Research Laboratories). Furthermore, the Swiss research and industrial landscape offers extraordinary opportunities, particularly in pharma, food, biotech, and energy.

Candidates should have a PhD degree in process engineering, chemical engineering, or a related field and have an excellent international record of accomplishments. The successful candidate will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

This assistant professorship has been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Applications should include a curriculum vitae, a list of major achievements, and a list of refereed publications. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Ralph Eichler. **The closing date for applications is 30 April 2013.** ETH Zurich is an equal opportunity and affirmative action employer. In order to increase the number of women in leading academic positions, we specifically encourage women to apply. ETH Zurich is further responsive to the needs of dual career couples and qualifies as a family friendly employer. **Please apply online at [www.facultyaffairs.ethz.ch](http://www.facultyaffairs.ethz.ch).**

ate courses and curricula in petroleum engineering related areas. The appointment will be in one of the departments of CSoE, or a joint appointment between two departments. For additional information please contact the office of the Dean at 315-268-7929 or ksharlow@clarkson.edu. Clarkson University is committed to providing an educational experience in which students develop an appreciation for diversity in both working and living environments. Candidates are encouraged to outline teaching, research, service and/or outreach activities that support this commitment. **Direct inquiries and applications, including a CV, a clear vision statement for sustained accomplishments and the names of at least three professional references to Clarkson University's Human Resources department at <https://clarkson.peopleadmin.com/postings/1252>.** Applications will be reviewed starting January 1, 2013 and the search will continue until the position is filled. Additional information about the Coulter School of Engineering and its departments can be found at <http://www.clarkson.edu/engineering/>. Clarkson is among the top 50 universities with the highest percentages of tenured and tenure-track women engineering faculty in the nation (ASEE 2011 profiles of Engineering Colleges). We are building upon this foundation to create a diverse faculty and strongly encourage applications from female and minority candidates. Clarkson University is an AA/EOE. Job Posting # Fac 2012000314.

### SENIOR-LEVEL FACULTY POSITIONS UNIVERSITY OF CALIFORNIA, RIVERSIDE BOURNS COLLEGE OF ENGINEERING

The Bourns College of Engineering at the University of California, Riverside expects to hire two outstanding senior faculty to provide leadership in sustainable energy engineering beginning in the 2013/2014 academic year. Highly motivated and recognized individuals are sought to lead and conduct cutting-edge research in generation, storage, distribution, and/or materials development for sustainable energy systems. Both positions will be interdisciplinary with the successful candidate affiliated with one or more engineering departments in the College, the Materials Science and Engineering Program, and the Winston Chung Global Energy Center. **Specific areas of interest are provided at [www.engr.ucr.edu/facultysearch/](http://www.engr.ucr.edu/facultysearch/).** EO/AA employer.



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### Faculty Positions at School of Chemical and Biomedical Engineering (SCBE)

Nanyang Technological University (NTU) in Singapore is ranked 47<sup>th</sup> in the 2012 QS World University Rankings and is the fastest-rising university in the world's top 50.

SCBE at NTU invites applications for Assistant, Associate or Full Professors. For more information, visit [www.scbe.ntu.edu.sg/About\\_Us/Pages/Open\\_Positions.aspx](http://www.scbe.ntu.edu.sg/About_Us/Pages/Open_Positions.aspx)

#### Research Areas

##### Chemical and Biomolecular Engineering Division

- Process systems engineering
- Product and process design
- Pharmaceutical engineering
- Food engineering
- Separation technology
- Colloid and interface science

##### Bioengineering Division

- Cardiovascular biomechanics
- Bioinstrumentation
- Biosignal processing and imaging
- Biofluid
- Neuro bioengineering
- Nature inspired bioengineering
- Mechanobiology of cell-cell and cell-matrix interactions

#### Application Details

Guidelines: [www.ntu.edu.sg/ohr/Career/SubmitApplications/Pages/Faculty.aspx](http://www.ntu.edu.sg/ohr/Career/SubmitApplications/Pages/Faculty.aspx)

Email: [scbe\\_recruit@ntu.edu.sg](mailto:scbe_recruit@ntu.edu.sg)

[www.ntu.edu.sg](http://www.ntu.edu.sg)



### Faculty Position in Chemical Engineering at USC

Mork Family Department of Chemical Engineering & Materials Science

USC's Viterbi School of Engineering is among the top engineering schools in the world, offering world-class research opportunities, interdisciplinary collaborative research centers, and exceptional facilities for experimental research (<http://viterbi.usc.edu/research/>). The Mork Family Department seeks to fill a new tenure-track faculty position in chemical engineering at the Assistant or Associate Professor level. We seek outstanding candidates pursuing research in energy storage and sustainable processes. Outstanding candidates in out areas of chemical engineering will also be considered.

Applicants for tenure-track positions must provide:

- Plans for teaching and research in chemical engineering (each two pages maximum)
- Curriculum vitae
- Contact information for three individuals who can provide letters of reference
- Cover letter

Submit all materials electronically through Viterbi's faculty application website (<http://viterbi.usc.edu/facultyapplications/>). Interested individuals are welcome to contact Prof. Steven Nutt, Chair of the Department ([nutt@usc.edu](mailto:nutt@usc.edu)) or Heather Alexander (213-740-2062). Applications received by February 1, 2013 will receive full consideration.

The University of Southern California values diversity and is committed to equal opportunity in employment. Women and men, and members of all racial and ethnic groups are encouraged to apply.

925 Bloom Walk, HED 216; Los Angeles, CA 90089 | <http://chems.usc.edu>



### Lecturer Position in Chemical Engineering at USC

Mork Family Department of Chemical Engineering & Materials Science

USC's Viterbi School of Engineering offers world-class instructional programs at the undergraduate and graduate levels, and attracts the highest quality students from across the US and around the globe. The Viterbi School is among the top engineering schools in the world - more than a third of its 174 tenured/tenure-track faculty members are fellows in their respective professional societies, and 35 affiliated faculty members have been elected to the National Academy of Engineering. We seek outstanding candidates to teach undergraduate and introductory graduate courses in chemical engineering.

Applicants for tenure-track positions must provide:

- Plans for teaching and research in chemical engineering (each two pages maximum)
- Curriculum vitae
- Contact information for three individuals who can provide letters of reference
- Cover letter

Submit all materials electronically through Viterbi's faculty application website (<http://viterbi.usc.edu/facultyapplications/>). Interested individuals are welcome to contact Prof. Steven Nutt, Chair of the Department ([nutt@usc.edu](mailto:nutt@usc.edu)) or Heather Alexander (213-740-2062). Applications received by March 15, 2013 will receive full consideration.

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