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## POSITIONS AVAILABLE

### SOFTWARE DEVELOPER

#### OLI SYSTEMS, INC., MORRIS PLAINS, NEW JERSEY

Research, design, develop, and deploy specialized computer software to simulate various chemical processes, including thermophysical properties of electrolytes, chemical process simulation, oilfield scaling, and corrosion simulations, with a high degree of accuracy. Consult with clients and technical alliance partners to identify simulation requirements. Analysis of requirements to formulate software specifications/solutions and determine feasibility of design within time and cost constraints. Design, develop, and modify software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design. Program software using C++ and Visual C++ in accord with software design specifications. Develop, direct, and participate in software

system testing procedures and documentation. Design and develop distribution mechanisms for convenient deployment of software on clients' systems. Consult with other team members (programmer analysts, chemical engineers, chemists, etc.) regarding advanced user interface engineering, software usability, and conformance to specifications and during software installation. Provide technical support to clients and chemical process industry technical alliance partners concerning use and maintenance of software system. Develop and maintain backend software module to gather download statistics for software distribution website. Master's Degree in Computer Engineering or Information Systems and two years of experience in the job offered OR two years of experience in the related occupation of Engineer are required. Knowledge of C++, Microsoft Visual C++ extensions, C#, XML, HTML, UNIX/Linux operating system + associated tools (including shell scripting and building applications using the "Make" framework), proprietary + open source development tools/frameworks (including Microsoft Visual Studio, CVS source code versioning system, InstallShield, and Windows Installer), managed code + concurrency programming techniques + process, process automation and operational control systems in the chemical process industry, plus familiarity with process and corrosion simulation with particular emphasis on the role of electrolyte properties in an industrial environment also required. Any suitable combination of education, training, & experience is acceptable. **Send resume to Jane Mooney, Director of Business Operations, OLI Systems, Inc. via e-mail to: [jmooney@olisystems.com](mailto:jmooney@olisystems.com). Pls refer to code "SD/sd" when applying.** Salary: \$ 75,899.00/year; Hours: Monday – Friday; 8:00am – 5:00pm; 40 hrs/wk. EOE.



**NANYANG  
TECHNOLOGICAL  
UNIVERSITY**

**A Global  
University of Excellence**

**ASSISTANT/ ASSOCIATE / FULL PROFESSOR  
IN SCHOOL OF CHEMICAL AND BIOMEDICAL ENGINEERING**

The chemical and biomedical sectors are the second and third largest manufacturing sectors in Singapore respectively. In response to the increasing importance of their contribution to Singapore's future economic growth and manufacturing output, Nanyang Technological University (NTU) has recently established the School of Chemical and Biomedical Engineering. The School hosts two Divisions: (a) the Division of Chemical and Biomolecular Engineering which offers degree programs in core chemical engineering disciplines with research emphasis on catalysis/ nanosupport, pharmaceutical engineering, regenerative medicine, engineering biology, fundamental chemical engineering and process systems modelling/ design and (b) the Division of Bioengineering which offers biomedical-related degree programs with emphasis on devices (biomedical), bio physiology (human), system biology and nano medicine engineering relevant to the healthcare and medical industry.

The School of Chemical and Biomedical Engineering attracts top undergraduate students in Singapore and is well-funded. It is well-equipped with state-of-the-art equipment in materials characterization, separation process and tissue engineering. Successful applicants can look forward to a research-stimulating environment and interaction with some of the best undergraduates and postgraduates students in Singapore and Asia. More information can be found at [www.ntu.edu.sg/scbe/](http://www.ntu.edu.sg/scbe/).

The School invites applications for Assistant or Associate or Full Professor level in various areas of chemical and biomedical engineering.

**Requirements**

School of Chemical & Biomedical Engineering at NTU invites applications for tenure-track faculty appointments at the Assistant, Associate, or Full Professor level in the areas of Printed Electronics, Synthetic biology, Pharmaceutical engineering, Nanotechnology, Fundamental chemical engineering, Biomolecular engineering, Physiology, Biomechanics, BioMEMS/NEMS. Candidates should have a Ph.D. in relevant disciplines from reputable universities and a track record of excellent publications, and preferably with postdoctoral research experience.

Successful applicants will be offered attractive remuneration packages. Details on the benefits provided and the terms and conditions of service may be obtained from <http://www.ntu.edu.sg/ohr/Career/terms/Pages/default.aspx>

To apply, please submit an application form (which can be downloaded from <http://www.ntu.edu.sg/ohr/Career/SubmitApplications/Pages/default.aspx>) or send detailed curriculum vitae which should include your area of research interest, list of publications and the names, postal and email addresses of three referees. Applications should be sent to:

**School of Chemical and Biomedical Engineering**  
**Nanyang Technological University**  
**Block N1.2-1-10**  
**62 Nanyang Drive**  
**Singapore 637722**  
**Telefax: (65) 67949220**  
**Email: [scbe\\_recruit@ntu.edu.sg](mailto:scbe_recruit@ntu.edu.sg)**

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

### Visit AIChE'S CareerEngineer Job Board

<http://careerengineer.aiche.org>

### For Additional Employment Opportunities

Employers specifically seek AIChE members due to their commitment to professional excellence. Your AIChE Membership gives you the job-seeking advantage. Some of the many positions you'll see on AIChE's targeted chemical industry job board include:

- Process Engineer – Technical Graphics
- Fuel Cell Engineer – Precision Combustion
- Manager, Operations – Heraeus Metal Processing, LLC
- Lead Specialist, Solid/Liquid Separations – The Dow Chemical Company
- Functional Engineering Manager – Invista
- Regional EHS&S Manager, Gulf – Olin Chlor Alkali Products
- Fermentation Engineer/Scientist – Genomatica
- Engineer – Saudi Aramco
- Process Improvement Manager – Boise Inc.
- Process Engineer – EAD Engineering

While on the site, be sure to upload your resume FREE for employers to view and contact you. AIChE member resumes are placed at the top of the list for employers to view first.

## ACADEMIC OPENINGS

### SENIOR FACULTY POSITION, THE CENTER FOR ENVIRONMENTALLY BENEFICIAL CATALYSIS (CEBC) AND THE DEPARTMENT OF CHEMICAL & PETROLEUM ENGINEERING, THE UNIVERSITY OF KANSAS

The CEBC is seeking an outstanding candidate at the distinguished professor rank as a "Kansas Bioscience Authority (KBA) Eminent Scholar" as part of the Kansas Alliance for Bioenergy and Biorefining (KABB), a KBA Center of Innovation. The successful candidate should preferably have an international reputation and contribute to CEBC research and education missions ([www.cebc.ku.edu](http://www.cebc.ku.edu)), and is expected to provide leading expertise in areas including the design, synthesis and fundamental characterization of metal-based catalysts tailored for specific applications. A detailed position description and application procedures can be found at The University of Kansas website, <https://jobs.ku.edu>, search for position 00003860. Review of applications begins August 15, 2010. **For additional information on required qualifications for an appointment as a Distinguished Professor, please refer to: [http://www.provost.ku.edu/policy/faculty/dp\\_guidelines.shtml](http://www.provost.ku.edu/policy/faculty/dp_guidelines.shtml).** EO/AA Employer



### BIOMOLECULAR ENGINEERING TWO FACULTY POSITIONS AVAILABLE

Milwaukee School of Engineering launched a new undergraduate degree program in BioMolecular Engineering in the fall of 2009 and we are committed to building a strong team by adding several new faculty members over the next 4 years. We are currently inviting applicants for two positions starting as early as September 2010. These two individuals are expected to be major contributors to the development of the new program. The candidates should also have a commitment and ability to teach at all levels of one or more of the following disciplines: undergraduate biology, chemistry or physics. A Ph.D. in an engineering field, with an aptitude to develop and teach undergraduate level courses in the areas of Bioinformatics, Genomics, Metabolic Engineering, or Synthetic Biology, along with the computational and experimental lab skills to work at the biomolecular and nano- scales are required. Industrial or postdoctoral 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 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.

For consideration please send a letter of interest, CV, a brief statement of teaching philosophy and three letters of recommendation to:

Dr. M. Kaltchev ([kaltchev@msoe.edu](mailto:kaltchev@msoe.edu))  
Chair, BioMolecular Engineering Search Committee  
Milwaukee School of Engineering  
1025 N. Broadway  
Milwaukee, WI 53202  
[www.msoc.edu](http://www.msoc.edu)

The selection process will continue until the positions are filled.

MSOE is an Equal Opportunity /Affirmative Action Employer



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To place a  
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Contact:  
**Denise DeLuca Mallon,**  
Global Recruitment  
Sales Manager  
at 646-279-2149  
or [denid@aiche.org](mailto:denid@aiche.org)

### 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 for 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](mailto:nancychia@nus.edu.sg)). Shortlisted candidates are invited to meet the Faculty Search Committee at the 2010 AIChE Annual Meeting in Salt Lake City.



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### ENGINEERING OPPORTUNITIES

**Rhodia Inc., a world leader  
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[HRStaffing@us.rhodia.com](mailto:HRStaffing@us.rhodia.com)