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## ACADEMIC OPENINGS

### DEPARTMENT OF NANOENGINEERING JACOBS SCHOOL OF ENGINEERING AT UCSD

The Department of NanoEngineering (<http://ne.ucsd.edu>), which combines materials and chemical engineering applied to nanotechnologies in the Jacobs School of Engineering at UCSD, invites applications for a tenure-track Assistant Professor position. The NanoEngineering Department is committed to building an excellent, diverse and inclusive faculty, staff, and student body (<http://www.jacobsschool.ucsd.edu/diversity>). In addition to research, teaching, and general professional and public service, service contributions that promote diversity and equal opportunity are encouraged and given recognition in the evaluation of the candidate's qualifications. Examples include, but are not limited to, developing strategies for the educational or professional advancement of students in underrepresented groups; efforts to advance equitable access and diversity in education; and activities such as recruitment, retention, and mentoring or advising of underrepresented students or new faculty. Candidates must have advanced to candidacy or earned their Ph.D. degree in Chemical Engineering to support the Chemical Engineering Program within the department. New faculty will be expected to build and maintain a strong independent research program in the area of chemical engineering and advanced materials. Of particular interest are advanced nanomaterials/biomaterials, colloids and assemblies, nanocatalysts, nanofabrication, nanomanufacturing, nano/microfluidics, etc. with potential applications to energy, healthcare, robotics or sensing. The career development of the new hire, based on the research interest, may have the opportunity to participate in various school-wide and university-wide initiatives and centers, including the Institute of Engineering in Medicine, Institute for Materials in Energy Technologies Initiative, Center for Energy Research, Sustainable Power and Energy Center, Moores Cancer Center, and Center for Wearable Sensors and Robotics, etc. The successful candidate will be expected to teach effectively at the undergraduate and graduate levels in Chemical Engineering. Responsibilities include, but are not limited to, teaching of Chemical Engineering undergraduate laboratory courses and other core classes, improvement of curriculum, helping coordination of ABET accreditation activities, development and assessment of new educational initiatives, and serving as the faculty advisor to student organizations. For applicants interested in spousal/partner employment, please see the Web site for the UCSD Partner Opportunities Program <https://academicaffairs.ucsd.edu/aps/partneropp/>. RANK AND SALARY: Level of appointment and salary is commensurate with qualifications and based on UC pay schedules and market conditions. CLOSING DATE FOR APPLICATIONS: Candidates applying by December 15, 2015 will be given full consideration. Candidates should submit (i) a letter of interest including specific synergies envisioned with our faculty, (ii) curriculum vitae, including the list of publications and professional activities, (iii) a statement of research interests and teaching experience, including a summary of leadership efforts, (iv) a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>, and (v) the names and email addresses of 3 references, using the online application. **All applicant materials including referee info should be submitted via UCSD Academic Personnel On Line Recruit at: <https://apol-recruit.ucsd.edu/apply/JPF00919>. Inquiries: Bethany Carson at [bacarson@ucsd.edu](mailto:bacarson@ucsd.edu).** UC San Diego strives to maintain a climate of fairness, cooperation and professionalism that enables us to attract a more diverse cross section of faculty in terms of gender, nationality, and ethnicity. Candidates who have a demonstrated track record of enhancing diversity or willingness to engage in activities that contribute to diversity and inclusion are

strongly encouraged to apply. AA-EOE: The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status.

### FACULTY POSITION: YALE UNIVERSITY DEPARTMENT OF CHEMICAL AND ENVIRONMENTAL ENGINEERING

The Department of Chemical and Environmental Engineering at Yale University invites applications for a tenure-track faculty position at the Assistant Professor or Associate Professor (untenured) level. Outstanding individuals holding (or soon to hold) a PhD in Chemical Engineering or a closely related discipline will be considered. Applications from all areas of Chemical Engineering are welcome, particularly those focused on Soft Matter, including (but not limited to) soft matter theory and simulation, polymer chemistry, and colloid and interface science. The successful candidate will have a distinguished track record and is expected to develop a vibrant, externally funded research program, to teach undergraduate and graduate courses in Chemical Engineering and to advise graduate students. **Applications with a cover letter, a detailed résumé, a description of research and teaching interests, and names and addresses of four references should be uploaded online at <http://apply.interfolio.com/32596>.** Review of applications begins immediately and continues until the position is filled. Applications submitted prior to December 15, 2015 will receive full consideration. Yale University is an Affirmative Action/Equal Opportunity Employer, and strongly encourages applications from women, persons with disabilities, protected veterans, and members of underrepresented minority groups. Visit <http://www.seas.yale.edu> to learn more about the Department of Chemical and Environmental Engineering, and the School of Engineering and Applied Science at Yale.

### DIRECTOR AND ENDOWED CHAIR, SWALM SCHOOL OF CHEMICAL ENGINEERING MISSISSIPPI STATE UNIVERSITY

Applications and nominations are being sought for the Director of the Dave C. Swalm School of Chemical Engineering at Mississippi State University. The Director will hold the Earnest W. Deavenport, Jr. Chair in Chemical Engineering. The Swalm School of Chemical Engineering is an ABET accredited program offering BS, MS, and PhD degrees with a record of scholarly achievement. Additionally, a new BS degree program in Petroleum Engineering was established in the Swalm School of Chemical Engineering, effective Fall 2015. The faculty conduct research in the areas of Crystallization, Soft Matter, Polymers, Nanomaterials, Renewable Energy, Molecular Modeling, and maintain active collaborations with the research centers within the Bagley College of Engineering as well as the College of Arts and Sciences and the College of Agriculture. ([www.engr.msstate.edu](http://www.engr.msstate.edu)). The Director of the Swalm School of Chemical Engineering is under the administrative supervision of the Dean of the Bagley College of Engineering and is responsible for the overall administration of the school. The Swalm School of Chemical Engineering ([www.che.msstate.edu](http://www.che.msstate.edu)) is comprised of 11 faculty members and over 500 undergraduate and graduate students. Endowments support the school in a number of key areas including chairs, professorships, undergraduate scholarships, and other initiatives. Qualified candidates must hold a BS in Chemical or Petroleum Engineering, and PhD degree in Chemical or Petroleum Engineering or closely related engineering fields. The candidate must possess excellent leadership and interpersonal skills. They will be nationally recognized scholars with distinguished academic records commensurate with the rank of tenured Professor and holder of an endowed chair. Screening of applications will begin January 1, 2016, and will continue until the position is filled. The anticipated starting date is July 1, 2016.

Applicants must apply online by completing the Personal Data Information form at [www.jobs.msstate.edu](http://www.jobs.msstate.edu) (PARF #9290) and attaching a cover letter outlining the candidate's qualifications, professional interests, and leadership vision, a current curriculum vitae, and contact information for at least three professional references. Inquiries and nominations should be directed to Dr. Nicolas H. Younan, Search Committee Chair ([younan@ece.msstate.edu](mailto:younan@ece.msstate.edu), phone: 662-325-3912). Mississippi State University ([www.msstate.edu](http://www.msstate.edu)), a Carnegie Foundation Very High Research University, is a comprehensive public institution with more than 20,000 graduate and undergraduate students and approximately 1300 full-time faculty members, located in Starkville, Mississippi ([visit.starkville.org](http://visit.starkville.org)). The Bagley College of Engineering has an approximate enrollment of 3,450 undergraduate and 625 graduate students. It ranks 73rd nationally in research expenditures with 3 programs in the top 50. MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

#### ASSISTANT/ASSOCIATE PROFESSOR PLASTICS ENGINEERING (TWO POSITIONS) UNIVERSITY OF MASSACHUSETTS LOWELL

Located 25 miles northwest of Boston, Massachusetts, the internationally recognized Department of Plastics Engineering at the University of Massachusetts Lowell invites applications for two tenure-track faculty positions at the Assistant/Associate Professor level in the following areas: 1. Polymer or plastics processing, including: injection molding, extrusion, compounding, process instrumentation and control, and advanced manufacturing; 2. Design for plastics engineering including: structural and part design, computer aided design and simulation, process analysis and design, injection mold design and extrusion die design. Minimum Qualifications: Earned doctorate in Plastics, Polymer, Materials, Chemical or Mechanical Engineering or a closely related area. **To apply please submit a cover letter, curriculum vitae, teaching philosophy, research statement, names and contact information of three references and a publication list at: <https://jobs.uml.edu/applicants/Central?quickFind=54700>**. Review of applications will begin February 1, 2016 and continue until the position is filled. The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.

#### PURDUE UNIVERSITY JAY AND CYNTHIA IHLENFELD HEAD AND PROFESSOR SCHOOL OF CHEMICAL ENGINEERING

Purdue University is seeking nominations and applications for the Jay and Cynthia Ihlenfeld Head of Chemical Engineering. A dynamic leader is sought to advance the School's nationally-ranked program and to enhance its national and international impact through a continuing commitment to excellence in discovery, learning and engagement. The Head reports to the Dean of the College of Engineering and provides leadership to the faculty, students, staff, alumni, and other stakeholders of the School. The successful candidate will shape a shared vision and implement a strategic plan for the School, as well as carry out administrative duties, maintain an active research presence, and participate in teaching and mentoring undergraduate and/or graduate students. The Head must have a Ph.D. in Chemical Engineering or related discipline, qualify for an appointment at the full professor level with tenure, have a distinguished record in research in the academic, government or industrial sector, and demonstrate strong leadership and collaborative skills. Candidates should have a clear understanding of the current needs and future direction of the chemical engineering profession, possess a commitment to diversity and collaboration, and be skilled in administration, student relations, mentoring, and alumni development. With over 550 undergraduates, over 140 graduate students, and over 30 faculty (of whom 6 are NAE members), the School is in the midst of a \$6M renovation of the Forney Hall (to be completed in Fall 2016), providing outstanding facilities for continued growth. The School joins the College of Engineering in meeting its growth targets of increasing faculty and staff by 30% from 2013-2017 and reaching a total engineering enrollment of more than 11,000 students. An application should include: (1) a 2-3 page personal statement addressing the applicant's vision, administrative philosophy, experience

and qualifications; (2) a curriculum vitae; and (3) names and contact information for at least three references. Applications will be kept confidential and applicants will be notified before references are contacted. **Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>**. Screening will commence January 1, 2016, and continue until this position is filled. Nominations and questions regarding the position can be addressed to ChE Head Search, College of Engineering, at [che.head@purdue.edu](mailto:che.head@purdue.edu). A background check will be required for employment in this position. Purdue's main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities and events, industries, and excellent schools. Purdue and the College of Engineering have a Concierge Program to assist new faculty and their partners regarding dual career needs and facilitate their relocation. Purdue University is an EOE/AA employer. All qualified applicants will receive consideration for employment without regard to race, religion, color, sex, national origin or ancestry, genetic information, marital status, parental status, sexual orientation, gender identity and expression, disability or status as a veteran.

#### VIRGINIA TECH, DEPARTMENT OF CHEMICAL ENGINEERING ENDOWED FACULTY POSITION IN MACROMOLECULAR SCIENCE AND ENGINEERING

Virginia Tech is expanding its presence in its internationally recognized interdisciplinary program in macromolecular science and engineering with an endowed faculty position at the professor level. This position signifies the strong University commitment to the importance of the science and engineering of polymeric materials to helping solve major societal challenges in energy, the environment, and medicine. The successful candidate will have the opportunity to participate in the university-wide Macromolecules and Interfaces Institute, which has the mission of building strong research and education collaborations across campus. The Department of Chemical Engineering invites applications for a faculty position supported by the Robert E. Hord Endowment in Chemical Engineering. Candidates are expected to have established an international record of research and education that would support an appointment at the rank of professor. Candidates with backgrounds in any area of macromolecular science and engineering will be considered. **Interested individuals should apply on-line at <http://www.jobs.vt.edu/> for job posting #TR0150162 or use the quick link at <http://listings.jobs.vt.edu/postings/61201>**. Submit a cover letter, a curriculum vitae, a statement of research interests, and the name and contact information of three professional references. For more details visit <http://www.che.vt.edu/> or contact: Professor David Cox at [dfcox@vt.edu](mailto:dfcox@vt.edu). Review of applications will continue until the position is filled. Female and under-represented minority applicants are especially encouraged to apply. Virginia Tech is an Equal Opportunity/Affirmative Action employer.

#### THE DEPARTMENT OF CHEMICAL ENGINEERING AT THE UNIVERSITY OF UTAH (<http://che.utah.edu>)

invites applications for several tenure-track faculty positions at the rank of Assistant Professor. The successful candidate is expected to develop a dynamic, externally-funded research enterprise that leads to national and international recognition, and to demonstrate excellence in teaching at both the undergraduate and graduate levels. Candidates must have a Ph.D. in Chemical Engineering or a related field. We seek the best available candidates, with preference given to candidates with research strength in catalysis & separations, biotechnology or multiscale simulation science. The department fosters a collaborative, interdisciplinary environment, involving faculty interactions with the Institute for Clean and Secure Energy, the Energy and Geosciences Institute, the Nano Institute and the Nuclear Engineering Program. Our faculty also has access to an extensive array of core research facilities distributed between the main University and the adjacent Health Sciences campus, including a recently-completed state-of-the-art Nanofabrication facility and microscopy core. The Center for High Performance Computing provides a range of support for individuals in simulation science. The University of Utah is one of the leading universities in technology innovation and commercialization, and the state of Utah enjoys a thriving economy with consistent recognition as one of the top states for business, job growth and quality of life. **Interested candidates should apply at <http://utah.peopleadmin.com/postings/46241>**. Review of applications will begin immediately and continue until the positions are filled. The University of Utah is an Equal Opportunity/Affirmative Action employer and its policies prohibit discrimination on the basis of race, national origin, color, sex, sexual orientation, gender identity/expression, religion, age, status as a person with a disability, genetic information, or veteran's status. Minorities, women, veterans, and those with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. To inquire further about the University's nondiscrimination

and affirmative action policies or to request a reasonable accommodation for a disability in the application process, please contact the following individual who has been designated as the University's Title IX/ADA/Section 504 Coordinator: Director, Office of Equal Opportunity and Affirmative Action, 201 South Presidents Circle, Rm. 135, Salt Lake City, UT 84112, (801) 581-8365, email: oeo@utah.edu.

### TENURE-TRACK ASSISTANT PROFESSOR POSITION IN ENGINEERING IN TRANSLATIONAL MEDICINE THAYER SCHOOL OF ENGINEERING, DARTMOUTH COLLEGE

The Thayer School of Engineering at Dartmouth College invites applications for the Crump Career Development Professorship, Assistant Professor level. The successful candidate will develop an internationally recognized research program supported with external funding, and will teach undergraduate and graduate courses in relevant areas of engineering. Applicants with expertise in "Engineering and Translational Medicine," including but not limited to molecular targeting and biomarker discovery, brain-device interfaces, and surgical device design, will be considered, with a priority on those working at the interface of engineering innovations and clinical translation. Facilities available for dedicated or collaborative use exist at the Dartmouth-Hitchcock Medical Center and Geisel School of Medicine, including advanced imaging facilities, genetic engineering resources, animal and human translational capabilities, surgical research laboratories, and the Norris Cotton Cancer Center resources. Using an integrated, non-departmental structure, we offer an ABET-accredited B.E. degree, as well as A.B., M.E.M., M. Eng., M.S., Ph.D. and dual track M.D./Ph.D. degrees. The Thayer School of Engineering is well recognized internationally for the innovations in engineering education. Thayer developed the nation's first Ph.D. Innovation degree program emphasizing engineering and entrepreneurship, and the faculty has one of the highest rates of new venture start up in the U.S. The school received the 2014 Gordon Prize from the National Academy of Engineering for its collective programs that teach engineering entrepreneurship. The Thayer School of Engineering is planning a significant expansion of faculty and programs, and this position is anticipated to be one of several at the interface between Engineering and Medicine. A Ph.D. in engineering or related sciences is required. Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity. In that spirit, we are particularly interested in

receiving applications from a broad spectrum of people, including women, minorities, individuals with disabilities, veterans or any other legally protected group.

**Please submit a cover letter, a detailed curriculum vitae including academic and professional experience and peer reviewed publications (please include PDF copies of a maximum of three most significant, peer-reviewed, published manuscripts), a statement of research, a statement of teaching goals as related to our focus at the Thayer School of Engineering, and a list of at least three references to Search Committee Chair, Thayer School of Engineering, Dartmouth, 14 Engineering Dr., Hanover, NH 03755 (Email: Thayer.EnggMed.Search@dartmouth.edu).** Review of applications will begin on January 1, 2016 and will continue until the position is filled. <http://thayer.dartmouth.edu>.

### THE DEPARTMENT OF CHEMICAL AND BIOCHEMICAL ENGINEERING AT RUTGERS UNIVERSITY

invites applications for a tenure-track faculty position at the Associate or Full Professor level in the area of biopharmaceutical process and product characterization, development and manufacturing. The successful applicant is expected to have a strong record of research and scholarship in this area with a demonstrated track record in teaching at the undergraduate and graduate levels. Rutgers benefits greatly from its location within New Jersey's "Cure Corridor," with globally established pharmaceutical companies and burgeoning biotech startups in close proximity. Our department has long-standing leadership in pharmaceutical engineering, exemplified by our Engineering Research Center in Structured Organic Particulate Systems. A new hire is expected to complement these strengths and help lead expansion of these efforts toward production of biologics. Candidates must have a Ph.D. in Chemical Engineering or a related field. Joint appointment with another Department is possible. **Applicants should send a curriculum vitae, detailed description of research and teaching interests, and names of at least three references in a single PDF document to: [cbesearch@soemail.rutgers.edu](mailto:cbesearch@soemail.rutgers.edu).** Applications will be considered and reviewed until the position is filled. Information about the department can be found at <http://cbe.rutgers.edu>. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability, protected veteran status or any other classification protected by law.

 UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

**CHEMICAL AND BIOMOLECULAR  
ENGINEERING  
SENIOR FACULTY IN  
ENERGY & SUSTAINABILITY**

The Department of Chemical and Biomolecular Engineering at the University of Illinois at Urbana-Champaign is seeking exceptional candidates for a faculty position in the area of Energy & Sustainability. Applications for tenured associate and tenured full professor are welcome. Faculty members in the department teach undergraduate and graduate level courses and are expected to initiate and sustain a vigorous research program. This position is part of the multi-year Strategic Excellence Hiring Program at Illinois. Please visit <http://go.illinois.edu/CHBEEnergy> to view the complete position announcement and application instructions. Application deadline for full consideration: December 1, 2015.

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*Illinois is an EEO Employer/Vet/Disabled—  
<http://www.inclusiveillinois.illinois.edu> and committed  
to a family-friendly environment  
(<http://provost.illinois.edu/worklife/index.html>).*

 UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

**CHEMICAL AND BIOMOLECULAR ENGINEERING  
FACULTY POSITION**

The Department of Chemical and Biomolecular Engineering at the University of Illinois at Urbana-Champaign is seeking exceptional candidates for a faculty position in the broad areas of computation, systems, materials, transport, energy, sustainability, or biotechnology. Applications for a tenure-track/tenured faculty position at the Assistant, Associate, or Full Professor level are welcome. Faculty members in the department teach undergraduate and graduate level courses and are expected to initiate and sustain a vigorous research program.

Please visit <http://go.illinois.edu/CHBEfaculty> to view the complete position announcement and application instructions. Application deadline for full consideration: December 1, 2015.

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