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POSITIONS OPEN

XEROX **CHEMICAL TONER SPECIALIST RESEARCH ENGINEER**

Location: Rochester, New York. Qualifications: PhD in Chemical, Mechanical Engineering, Material Science or Physics; New or recent PhD graduates within one year industrial experience will be considered; Strong background in powder processing technology. Knowledge of colloidal technology, with hands on experience and understanding of

polymer colloids, interfaces, and surface science. Objective: Develop and optimize powder process engineering systems to meet future manufacturing cost and performance requirements for xerographic toners for future xerographic printing applications; Evaluate and modify properties of powder processing systems; Lead toner manufacturing process development and problem-solving, including raw material supplier interface and new product delivery. Interested Candidates please apply at www.xeroxcareers.com. Requisition number 12029356.

Visit AIChE's CareerEngineer Job Board for Additional Employment Opportunities http://careerengineer.aiche.org

Some of the many positions found on AIChE's targeted chemical industry job board include:

- Continuous Improvement (CI) Coach BP
- Sr. Instrument Engineer Shell Oil
- Production Engineer III BASF
- Scientist Metabolic Engineering Gevo Inc.

Research Scientist (Molecular Catalysis)

Division: Chemical Sciences

The Joint Center for Artificial Photosynthesis (JCAP) will focus on the development of molecularly designed, inorganic catalysts for electrocatalytic water splitting. JCAP is a Solar Fuels Innovation Hub recently funded by the Department of Energy (122 M, 5 years) with physical location at the sites of its major partners, Caltech (South) and Lawrence Berkeley National Laboratory (North). The researcher will take major responsibility for the synthetic and catalyst evaluation efforts in the Molecular Catalysis Project located at JCAP North Site

a Molecular Catalysis Chemist, this position offers a unique opportunity for an early career researcher to assume a key role at the inception of the JCAP research effort in development of efficient electrocatalysts for artificial photosynthesis. Anticipated activities involve novel synthetic approaches, including those based on molecular design and precursor chemistry, for targeting novel catalytic structures such as inorganic clusters, nanostructures, and stabilized, surface-bound catalytic centers. Significant effort will also involve electrochemical studies for the evaluation of new catalysts, and for characterizations of active catalytic centers and catalytic mechanisms.

For more information about this position and to apply online, visit http://go.lbl.gov/75229 and follow the instructions to complete the application process.

Berkeley Lab is an affirmative action/equal opportunity employer committed to the development of a diverse workforce.





Tenure-track Assistant/Associate Professor **Faculty Positions**

The Otto H. York Department of Chemical, Biological and Pharmaceutical Engineering at NIT invites applications for three tenure-track faculty positions at the Assistant/Associate levels. We are seeking highly qualified candidates with a Ph.D. degree in Chemical Engineering or allied field, a record of outstanding research accomplishments, and a commitment to teaching excellence. Applications are particularly encouraged in pharmaceutical bioprocessing with an orientation toward synthesis, energy and materials-related areas, which align with the Department's participation in campus initiatives including catalysis, polymer processing or membrane technology. Candidates with specializations focused on ab initio molecular dynamics and electronic density functional theory, to explain the chemistry of complex materials including biological and pharmaceutical materials or Gaussian methods for novel materials development, biological process, pharmaceutical materials development will also be considered. New Jersey Institute of Technology 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.

Rank and salary will be commensurate with qualifications and experience. Interested applicants should submit Curriculum Vitae, statement of research, teaching goals and names with contact information of three references. To be considered, all applications must be submitted on-line at http://njit.jobs, referencing posting number 0601246.

Questions may be directed to Dr. Norman Loney; loney@adm.njit.edu.

NEW JERSEY INSTITUTE OF TECHNOLOGY UNIVERSITY HEIGHTS, NEWARK, NJ 07102-1982

THE EDGE IN KNOWLEDGE

ACADEMIC OPENINGS

TIER 1 CANADA RESEARCH CHAIR POSITION DEPARTMENT OF CHEMICAL ENGINEERING QUEEN'S UNIVERSITY, NOVEMBER 2012

The Department of Chemical Engineering, Faculty of Engineering and Applied Science, Queen's University is seeking a Tier 1 Canada Research Chair. The Government of Canada has established the Canada Research Chairs program (www.chairs.gc.ca) to foster world-class research excellence in Canadian universities. The Queen's University Strategic Research Plan identifies areas of emphasis at the university and can be found at http://www.queensu.ca/vpr/SRP/ SRPMay2012Final.pdf. The successful candidate will be expected to maintain and provide leadership in a dynamic research program of international reputation, supervise graduate students, provide effective teaching at the undergraduate and graduate levels, actively engage with industry, and make administrative contributions through service to the University, Faculty, Department and profession. Registration as a Professional Engineer in Ontario, or eligibility to acquire registration in Canada is an essential qualification. Queen's University is one of Canada's leading research-intensive universities. We are focused on being the quality leader in Canadian higher education and are dedicated to promoting research and scholarship of national and international distinction. The Chemical Engineering department is a medium-sized department with 21 faculty, and provides undergraduate programs in Chemical Engineering and Engineering Chemistry with 430 undergraduate students currently enrolled over years 2-4, and has a graduate enrolment of more than 100 graduate students. The department has areas of research strength in emerging technologies (colloids, nanoengineering, biosensors, microfluidics and green chemistry), polymers and polymer reaction engineering, biomedical and tissue engineering, process systems engineering, energy systems (including fuel cells), electrochemical engineering, and biochemical and environmental engineering. Additional information about the Department of Chemical Engineering can be found at www.chemeng.queensu.ca. The ability to interact closely with faculty in one of the research areas of strength of the department will be an asset. The Chemical

Engineering department has links to a number of multi-disciplinary centres at Queen's, including: the Queen's-Royal Military College Fuel Cell Research Centre (www.fcrc.ca), the Human Mobility Research Centre (www.hmrc.ca), Green Centre Canada (www.greencentrecanada.com), Innovation Park (www. innovationpark.ca), the Sustainable Bioeconomy Centre (www.queensu.ca/sbc), the Queen's Centre for Energy and Power Electronics Research (ePOWER) (www. queensu.ca/epower), the Queen's Institute for Energy and Environmental Policy (www.queensu.ca/gieep) and the Queen's Summer Innovation Institute, which is part of the Queen's Innovation Connector, a joint initiative between the Faculty of Engineering and Applied Science, and the School of Business. The Department houses the Macromolecular Products and Processes Group, which is one of the largest polymer reaction engineering groups in Canada, and is an active contributor to the Queen's Innovation Connection, a new initiative in innovation between the Faculty of Engineering and Applied Science and the School of Business at Queen's University. Applicants should send their curriculum vitae, contact information, the names of three referees including their contact information, along with a statement of research and teaching interests, and three examples of relevant publications to: Dr. James McLellan, Professor and Head, Department of Chemical Engineering, Queen's University, Kingston, Ontario K7L 3N6, head@chee.queensu.ca, www.chemeng. queensu.ca. Review of applications will continue on a rolling basis, and applications will be accepted until the position is filled. Queen's University is a campus with a global reputation in the heart of the vibrant Kingston community in the core of the Thousand Islands region of south-eastern Ontario. In addition to Queen's University, the Kingston area is home to the DuPont Canada Research and Development Centre, Bombardier Transportation Transit Systems unit, St. Lawrence College, and the Royal Military College of Canada. Kingston is centrally positioned between Toronto, Montreal and Ottawa. The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents of Canada will be



ASSISTANT, ASSOCIATE, OR **FULL PROFESSOR**

The Department of Chemical Engineering at Northeastern University invites applications for a tenure track position. Outstanding candidates at any level of seniority may apply. Research areas of interest include, but are not limited to, soft materials and systems/synthetic biology. These areas have been identified as strategic areas of growth within the Department to complement existing strengths in materials engineering and biological engineering.

Qualifications

A doctoral degree in chemical engineering or other closely related discipline is required along with a strong record of scholarly accomplishment. Senior-level candidates should have a demonstrated record of interdisciplinary research with national and international collaborations in both academia and industry, and recognition for accomplished and innovative teaching.

To apply, please visit: http://apptrkr.com/296302

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. Northeastern University particularly welcomes applications from minorities, women and persons with disabilities. Northeastern University is an E-Verify Employer.



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Professional Officer/Senior Professional Officer School of Chemical and Biomedical Engineering (SCBE)

Nanyang Technological University (NTU) in Singapore is ranked 47th 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 Professional Officer/Senior Professional Officer:

- Responsible for setting up a new Independent Design Laboratory for undergraduate students majoring in Chemical and Biomolecular Engineering Lead a team of technical staff to support undergraduate Chemical and
- Biomolecular Engineering Laboratory and research facilities
- · Provide strategic direction and lead the IT team · Manage IT infrastructure, teaching facility management and support

- Good Bachelor's and Master's degree in Chemical Engineering or related
- Prior work experience in chemical/pharmaceutical process industry or unit operation laboratory
- Resourceful and possess good problem-solving skills
- Excellent leadership skills in leading a team of technical staff
- · Able to work independently, under time pressure and in a dynamic environment

This appointment will be on a contract basis for a period of 1 to 2 years. Please submit your application via this Career Portal: http://www.ntu.edu.sg/ohr/Career/ CurrentOpenings/Pages/SCBE.aspx

www.ntu.edu.sg

given priority. The academic staff at Queen's is governed by a collective agreement between Queen's University Faculty Association (QUFA) and the University, which is posted at http://www.queensu.ca/provost/faculty/facultyrelations/qufa/ collectiveagreement.html.

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 undergraduate 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.

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). Qualified applicants should send a detailed résumé, and the 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.

UNIVERSITY OF CALIFORNIA, BERKELEY DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING ASSISTANT PROFESSOR

The Department of Chemical and Biomolecular Engineering (CBE) at the University of California, Berkeley, seeks applicants for a tenure-track position at the assistant professor level beginning in Fall 2013. The Department consistently ranks among the top research and teaching programs in the country and continues to be at the forefront in developing programs in emerging areas of chemical engineering and technology. Creative and energetic individuals who show extraordinary promise or accomplishment in any research area will be considered. We require a PhD or equivalent degree in chemical engineering or a closely related discipline by date of hire. Applicants should prepare a curriculum vitae and a proposed research program, and provide three letters of recommendation. Application material should be submitted electronically through our web-based system at: http://aprecruit.berkeley.edu/ apply/JPF00047. All recommendation letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality: http:// apo.chance.berkeley.edu/evalltr.html. Application material must be received by December 28, 2012. Interviewing will begin in Spring 2013, and early application is encouraged. The University of California is an Equal Opportunity/Affirmative Action Employer. UC Berkeley is committed to diversity in all aspects of our mission and to addressing the family needs of faculty, including dual career couples and single parents.



UNIVERSITY OF MINNESOTA

Tenured or Tenure-Track Faculty Position **Chemical Engineering and Materials Science**

The Department of Chemical Engineering and Materials Science at the University of Minnesota (www.cems.umn.edu) seeks to fill a faculty position at the Assistant (tenure-track), Associate, or Full Professor level, commensurate with experience. Outstanding candidates with a Ph.D. in any area related to chemical engineering and materials science will be considered. Candidates should have a distinguished academic and research record and a commitment to teaching in a highly interdisciplinary department.

Applications, consisting of a CV (including a list of publications), a research plan, a teaching plan, and a list of three references with contact information (including email addresses), should be submitted on-line at https://employment.umn.edu. Search for requisition number 180484. Review of the applications will begin immediately and continue until the position is filled. The successful candidate will be in place as early as Fall 2013.

The University of Minnesota is an equal opportunity educator and employer

UNIVERSITY OF CALIFORNIA, BERKELEY AND **LAWRENCE BERKELEY NATIONAL LABORATORY ELECTROCHEMICAL SCIENCE AND ENGINEERING FACULTY HIRE**

The University of California (UC), Berkeley and the Lawrence Berkeley National Laboratory (LBNL) seek applicants for a tenure-track faculty position in the area of electrochemical science and engineering beginning in Fall 2013. This position is an open level search and is jointly funded through the UC Berkeley campus and the Batteries for Advanced Transportation Technology program at LBNL (for more information see http://batt.lbl.gov/). We are seeking creative candidates who show extraordinary promise and/or accomplishment in research and teaching. The targeted research area is experimental and/or theoretical aspects of electrochemical science and engineering applicable to clean energy technologies, especially advanced batteries. Applicants must have a PhD or equivalent degree by date of hire. The level of the appointment will depend on experience of the candidate. Applicants should prepare a curriculum vitae and a proposed research program, and provide three letters of recommendation. Application material should be submitted electronically through our webbased system at: http://aprecruit.berkeley.edu/apply/JPF00044. All recommendation letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality: http://apo.chance.berkeley.edu/ evalltr.html. Application material must be received by December 28, 2012. Interviewing will begin in Spring 2013, and early application is encouraged. The University of California is an Equal Opportunity/Affirmative Action Employer. UC Berkeley is committed to diversity in all aspects of our mission and to addressing the family needs of faculty, including dual career couples and single parents.

THE UNIVERSITE CATHOLIQUE DE LOUVAIN (UCL, LOUVAIN-

LA-NEUVE, BELGIUM) is seeking outstanding candidates for the Solvay chair in Eco-efficient Processes for Sustainable Chemical and Biochemical Engineering (tenure after a 3-year test period). Expected research experience & interests: (i) Science and technology of separation and purification operations for chemical and biochemical processes; (ii) Design of integrated eco-efficient systems to meet the challenges related to the diversification of the natural resources, increased product purity and the protection of the environment. Teaching assignments: Within the bachelor and master in engineering programs organized at UCL. More info and application on: http://www.uclouvain.be/en-425591.html

IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, CHEMICAL AND BIOLOGICAL ENGINEERING DEPARTMENT **ANNOUNCES SEARCH FOR NEW CHAIR**

The Department of Chemical and Biological Engineering at Iowa State University invites nominations and applications for the position of Department Chair. We are seeking a dynamic and innovative leader with a bold vision for the future of Chemical and Biological Engineering at Iowa State and desire to engage constituents to achieve this vision. The successful candidate will possess a Ph.D. in Chemical Engineering or a related field and an exemplary record of achievement in research, teaching, and service of a level sufficient to qualify for appointment as Professor. Iowa State University of Science and Technology is a comprehensive, Research I, Land Grant University with an enrollment of over 31,000 students. The College of Engineering includes 8 departments, 220 faculty members and annual research expenditures of over \$78 M. Unique research facilities and centers of excellence on campus include the Ames Laboratory of the United States Department of Energy, the Institute for Physical Research and Technology, the Center for Nondestructive Evaluation, the Plant Sciences Institute and the Institute for Combinatorial Discovery. The Department of Chemical & Biological Engineering is nationally recognized for its research in reaction engineering and modeling, catalysis, advanced materials, electrochemistry and biotechnology/biobased products. The department leads strong interdisciplinary programs including the National Science Foundation Engineering Research Center for Biorenewable Chemicals (www.cbirc.iastate.edu) and Bioeconomy Institute (www.biorenew.iastate.edu). We have 19 faculty members with research expenditures of greater than \$9 M last year. Current enrollment places the department amongst the top 15 in the country. The Department is centrally located on campus in 55,000 ft² of new and recently remodeled research and teaching facilities. More information about the department can be found at http://www.cbe.iastate.edu/. The Chair is responsible for the scope and effectiveness of the teaching, research, and outreach efforts of the department. Specific duties include: organization of goals and objectives, preparation and administration of the budget, coordination of research activities and direction,

promotion of a development program, and administration of undergraduate and graduate instructional programs. The Chair is expected to be active in research, to enhance ties with industry and government funding agencies, to develop outreach programs, to promote collaborative activities with other departments in the University, to promote recruitment of graduate and undergraduate students and to closely interact with faculty and students in directing the operation of the department. The deadline for application is December 31, 2012. We anticipate having a successful candidate in place on July 1, 2013. All applications must be submitted electronically for vacancy #121096. Applicants should visit www.iastatejobs.com, complete the employment application and attach (1) a letter of application, (2) a current resume, (3) contact information for at least four references, and (4) a statement of educational, research, and leadership philosophy that includes the candidate's vision for the future of the department. For information about the application process, please contact employment@iastate.edu or (515)294-2936. For other questions, contact Search Committee Chair Dr. Kristen Constant, at constant@iastate.edu, or (515)294-3337. lowa State University and the College of Engineering are Equal Opportunity Employers and are invested in increasing the participation of those traditionally under-represented among engineering faculty. We benefit from significant external funding to broaden participation including NSF ADVANCE, I³, and AGEP.

FACULTY POSITION, CLEMSON UNIVERSITY CHEMICAL AND BIOMOLECULAR ENGINEERING

The Department of Chemical and Biomolecular Engineering at Clemson University invites applications for an opening at the level of Assistant Professor or higher, commensurate with the candidate's experience and level of achievement. Individuals with outstanding potential and scholarly interests in modern Chemical and Biomolecular Engineering are sought. All research areas will be considered. Candidates must have earned a Ph.D. in Chemical Engineering or a closely related field, and those with industrial experience are encouraged to apply. Applicants should send a single pdf file containing a cover letter, resume, research plan, statement of teaching interests/philosophy, and names and addresses of three references to ChBESearch@clemson.edu. Applications received by December 30, 2012, will receive full consideration, with the review process continuing until the position is filled. Clemson University, the land-grant university of South Carolina, is located on the shores of Lake Hartwell in the foothills of the Blue Ridge Mountains. Information about the department is available at www.clemson.edu/ces/chbe. Clemson University is an Affirmative Action/Equal Employment Opportunity Employer and does not discriminate against any individual on the basis of age, color, disability, gender, national origin, religion, sexual orientation, veteran status, or genetic information.

THE CHEMICAL AND BIOMOLECULAR ENGINEERING DEPARTMENT OF THE HENRY SAMUELI SCHOOL OF ENGINEERING AND APPLIED SCIENCE AT THE UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

is seeking a faculty candidate with extraordinary research and teaching capability in Chemical and Biomolecular Engineering. Candidates must have a PhD degree in chemical engineering or a related field, and be qualified to teach undergraduate and graduate courses and to mentor MS and PhD students. The successful candidate will have an outstanding record of contributions to chemical and/or biomolecular engineering. Senior, qualified candidates may be considered for the William D. Van Vorst Chair in Chemical Engineering. Applications or nominations, including a curriculum vitae and names of three references, should be sent to: Prof. James C. Liao, Chair, UCLA Chemical and Biomolecular Engineering Department, Box 951592, Los Angeles, CA 90095-1592 (liaoj@ucla.edu). UCLA and the Chemical and Biomolecular Engineering Department are committed to the development of a campus climate that supports equality and diversity. We welcome candidates whose experience in teaching and/or mentoring underrepresented students has prepared them to contribute to our commitment to diversity and excellence. Please reference job tracking number 0130-1213-01. The University of California is an affirmative action/equal opportunity employer.

TO PLACE A RECRUITMENT AD

CONTACT:

Denise DeLuca Mallon, Global Recruitment Sales Manager at 646-279-2149 or denid@aiche.org