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## LAWRENCE POSTDOCTORAL FELLOWSHIP

The Lawrence Livermore National Laboratory (LLNL) has openings available under its Lawrence Fellowship Program. This is a highly desirable, prestigious postdoctoral position with ample resources and freedom to conduct cutting-edge research in a field of the candidate's choice. The duration of the Fellowship is up to three years. Typically two to four openings are available each year. Fellowships are awarded only to candidates with exceptional talent, credentials and a track record of research accomplishments.

Candidates will do original research in one or more aspects of science relevant to the mission and goals of LLNL which include: Physics, Applied Mathematics, Computer Science, Chemistry, Material Science, Engineering, Environmental Science, Atmospheric Science, Geology, Energy, Lasers and Biology. Successful candidates may participate in experimental or theoretical work at LLNL, and will have access to LLNL's extensive computing facilities, specialized laboratory facilities and field equipment. A senior scientist will serve as a mentor to each of the Fellows. The candidates will receive full management and administrative support. The salary is $8,700 per month.

Please refer to our web page **https://fellowship.llnl.gov** for eligibility requirements and instructions on how to apply. When applying and prompted, please mention where you saw this ad. The deadline for application is November 1, 2010. LLNL is operated by the Lawrence Livermore National Security, LLC, for the U.S. Department of Energy, National Nuclear Security Administration. We are proud to be an equal opportunity employer with a commitment to workforce diversity.

Lawrence Livermore National Laboratory

***https://jobs.llnl.gov***

IMRA America, Inc.

## STAFF SCIENTISTS

IMRA America has openings in our Research Department for a Battery Materials Scientist and Solar Cell Materials Scientist. For more information, please visit our website at www.imra.com. Interested candidates can send resume to **employment@imra.com**.

SEOUL NATIONAL UNIVERSITY

## TENURE-TRACK FACULTY POSITIONS

The Graduate School of Convergence Science and Technology at Seoul National University invites applications from non-Korean citizens for tenure-track faculty positions at all levels in the Department of Nano Science and Technology, Department of Digital Contents Convergence, and Department of Intelligent Convergence Systems.

Seoul National University is one of the leading universities in Korea. In an effort to promote and pursue converging technologies, the University founded the Graduate School of Convergence Science and Technology in March 2009. Additional information can be found at http://gscst.snu.ac.kr/index_eng.php. The Graduate School seeks highly qualified candidates specialized in the broad areas including, but not limited to: Nanomaterials, Nanoelectronics, Nanophotonics, Nano-bio Technology, Information Retrieval, Information Visualization, HCI, Social Network Analysis, Data Mining/Machine Learning, Artificial Intelligence, Robotics, Intelligent Systems, Future Automotive Systems, Smart Vehicles, Green Vehicles, Computer Vision, and Software Engineering. The anticipated start date is March 1, 2011.

The responsibilities of the position include teaching at the undergraduate and graduate levels, supervising graduate students, and developing and maintaining active research programs. Applicants for the position must submit a CV, a teaching statement, a research statement, and the names of at least three references. All application materials must be submitted electronically via email to Bumnyoe Kim at **bumnyoe@snu.ac.kr.**

Review of applications will commence on July 20, 2010 and continue until the positions are filled.

RUTGERS
THE STATE UNIVERSITY OF NEW JERSEY

## POSTDOCTORAL POSITION

**Ceramic Processing Research**

The Department of Materials Science and Engineering at Rutgers University is seeking to fill an industrial-sponsored postdoctoral associate position in ceramic processing research. Inventive scientific and technical experience in solution processing and characterization of polycrystalline ceramics in any of a wide range of structural and functional materials areas is preferred. It is essential that the candidate's work demonstrate the ability to derive microstructure-property relationships, creativity, and ability to traverse into materials areas other than their PhD focus. The candidate must demonstrate the ability to initiate, conduct, and publish cutting-edge research.

The position is available immediately and offers a highly competitive salary and benefits. Candidates should indicate "Structure Function Postdoc" in the subject line and submit the following: a 1-2 page cover letter stating why they are qualified and when they are available for employment, curriculum vitae, three letters of reference, relevant publications now to Richard E. Riman, Department of MSE, Rutgers, The State University of New Jersey, 607 Taylor Road, Piscataway, NJ 08854-8065, 732-445-4946, **riman@rci.rutgers.edu**.

*Rutgers is an equal opportunity/affirmative action employer.*



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POSTDOCTORAL RESEARCHER

**Joint KACST/California Center of Excellence on Nano Science and Engineering for Green Technologies**

**University of California, Los Angeles**

The Joint KACST/California Center of Excellence on Nano Science and Engineering for Green Technologies at UCLA invites applications for a postdoctoral researcher position to perform experimetnal research on a new exciting multidisciplinary project.

Applicants should possess a PhD degree in Material Science, Chemistry, or Electrical Engineering and have expertise in two of the following or related disciplines: photovoltaic devices, organic materials for optoelectronics applications, and solar cells. A proven publication record is also necessary. Interested candidates should send an email including a) resume and b) cover letter stating their research and career interests, to Dr. M. Xue at **mxue@ee.ucla**.edu for immediate consideration.

## FACULTY POSITIONS

**Materials Science**

**University of Wisconsin, Eau Claire**

The Materials Science Program invites applications for two (2) tenure-track faculty positions beginning August 22, 2011. We seek applicants who have a strong commitment to undergraduate teaching including student/faculty collaborative research.

Potential applicants may obtain a complete description and application requirements by referring to our website at **http://www.uwec.edu/Matsci/position.html**. Criminal background checks are required prior to employment.

*Women, minorities, individuals with disabilities, and veterans are encouraged to apply.*

DUKE ENGINEERING

EDMUND T. PRATT, JR. SCHOOL OF ENGINEERING

## Chair of the Department of Mechanical Engineering and Materials Science

Duke University and the Pratt School of Engineering invite applications and nominations for the position of Chair of the Department of Mechanical Engineering and Materials Science (MEMS). MEMS is one of four departments in the Pratt School of Engineering, within a world-class, top-ranked teaching and research institution.

The Department currently has 26 full-time faculty members and over 250 students pursuing BS, MS, or PhD degrees in Mechanical Engineering and Materials Science. With average annual research expenditures of $6M, the Department was recently ranked 8th nationally for scholarly productivity of faculty by the Chronicle of Higher Education (2008). The Department derives strength from cross-disciplinary collaborations in the Pratt School of Engineering, in the School of Medicine, and in Duke's hallmark interdisciplinary centers. The Pratt School is committed to the Department's continued growth and excellence, with several faculty hires in progress or planned.

Successful candidates will have a track record of dynamic leadership skills in academia, possess excellent communication and interpersonal skills, and be able to lead the Department in developing and implementing a compelling vision for its research, education, and service programs. Key responsibilities will include strategic planning, development of emerging areas (e.g., energy research), coordination of interdisciplinary activities, commitment to diversity in faculty and staff hiring, and assistance with securing funding for scholarships, endowed chairs, and center/focus area initiatives.

Candidates must possess a PhD degree or equivalent in Mechanical Engineering, Materials Science, or a closely related field, and must qualify as a full professor in the department, able to continue a productive research program of international stature. The preferred start date for this position is July 2011. Applicants should submit the application packet containing a cover letter, complete curriculum vitae, and names and addresses of at least four references to the following website: **http://www.mems.duke.edu/application-for-chair.**

Please contact the head of the search committee, Prof. Stefan Zauscher at zauscher@duke.edu with questions or nominations of candidates. Applications received before **November 1, 2010** will receive full consideration, but applications will continue to be accepted until the position is filled.

Duke University and Health System is an equal opportunity institution. Duke is committed to recruiting, hiring, and promoting qualified minorities, women, individuals with disabilities, and veterans.


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PURDUE UNIVERSITY

## FACULTY POSITION School of Materials Engineering

The School of Materials Engineering at Purdue University invites applications for a faculty position at the assistant, associate, or full professor level. Targeted research areas are electron microscopy, polymer physics, polymer mechanics, and materials for energy sustainability, with outstanding candidates having other research emphases also considered. Successful candidates must hold an earned PhD degree or equivalent in materials science and engineering or related discipline(s) and demonstrate the ability to develop independent research programs at the forefront of their field, as well as effectively teach graduate and undergraduate courses.

The School of Materials Engineering at Purdue University has undergone significant growth in the last five years and now has 20 faculty engaged in interdisciplinary research across a campus that contains a wide spectrum of researchers in materials science (see www.engineering.purdue.edu/MSE/).

Submit applications on-line at **https://engineering.purdue.edu/Engr/AboutUs/Employment/Applications**, including curriculum vitae, teaching and research plans (each 3 pages maximum), copies of up to three most relevant publications, and names of three references. For information/questions regarding application submission, contact Marion Ragland, Faculty Recruitment Coordinator, College of Engineering, Attn: Dept. Engineering Education at ragland@purdue.edu. Address questions regarding positions to Prof. Kevin Trumble, Search Chair at driscol@purdue.edu. Review of applications begins **October 1, 2010** and continues until the position is filled.

Purdue University is an equal opportunity/equal access/affirmative action employer fully committed achieving a diverse workforce.

MichiganTech

## FACULTY POSITIONS
Next Generation Energy Systems

Michigan Technological University is in the second year of a Strategic Faculty Hiring Initiative (SFHI) that will add up to ten tenure-track positions, open in rank, during the 2009-2010 and 2010-2011 academic years. SFHI is an ongoing commitment to expand Michigan Tech's faculty resources in targeted strategic areas of multidisciplinary research and inquiry.

Michigan Tech seeks to attract exceptional candidates whose interests and capabilities match the following areas with the goal of strategically bridging existing strengths and enabling expanded research. These include the areas of transmission and distribution, generation, storage and management, environmental mitigation, conservation and harvesting, regulation and energy policy, energy economics, and societal implications.

Michigan Tech seeks a diverse applicant pool from a wide range of disciplines including engineering and sciences, policy, energy economics, and allied fields, in this strategic initiative; a PhD degree is required and postgraduate experience is strongly preferred. For full consideration, applications should be received by **October 1, 2010**; review will continue until all positions are filled. Attractive salary, benefit, and start-up packages will be provided for successful applicants.

Details about Michigan Tech's SFHI and application instructions are available at **www.mtu.edu/sfhi**. More general information on Michigan Technological University is available at www.mtu.edu.

Michigan Tech is an internationally renowned doctoral research university located in Michigan's scenic Upper Peninsula, on the south shore of Lake Superior. Houghton provides a unique setting where natural beauty, culture, education, and a diversity of residents from around the world come together to share a superb living and learning experience.

Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM.

*Michigan Technological University is an equal opportunity, affirmative action employer/educational institution. Applications from women and minorities are encouraged.*

CLEMSON UNIVERSITY

## TENURE-TRACK FACULTY POSITION
School of Materials Science and Engineering

The School of Materials Science and Engineering at Clemson University is seeking an outstanding candidate to fill a tenure-track position at the Assistant Professor level. It is expected that the candidate will be capable of establishing a high quality research program that coincides with one or more of the following areas: metallurgy, ceramics, optical/electronic materials, and computational materials science. However, the School will also consider exceptional candidates whose research aligns with Clemson University's strategic emphasis areas which include energy and automotive innovation.

Candidates must hold a doctoral degree in Materials Science and Engineering or a related discipline, have demonstrated a record of prior research accomplishments, and shown the potential to educate and mentor students. Successful candidates will be expected to attract significant external funding, lead nationally recognized research programs, and be able to collaborate with current faculty both within MSE and the University as a whole. In addition, the candidate must demonstrate the potential to teach both undergraduate and graduate courses, particularly those focused on aspects of metallurgy and ceramics.

All applications should be submitted electronically. Qualified applicants should provide: 1) a current CV; 2) research statement describing a minimum of two externally fundable research programs and also highlighting complimentary capabilities to existing faculty and programs (2-6 pages; for current faculty research areas, please refer to http://www.clemson.edu/mse/People/Faculty.htm); 3) a description of teaching philosophy including undergraduate and graduate course competencies and how they would fit into the present academic programs (1-2 pages); and 4) names and contact information for three references. The application package should be combined into **a single PDF** file and emailed to: **msesearch@clemson.edu**. Questions can be sent via email to Dr. Jian Luo, Chair of the MSE Search and Screening Committee at jianluo@clemson.edu; no phone calls please. Review of applications will commence **November 1, 2010** with full consideration being assured to applications received by this date. Screening will continue until the position is filled. Women and minorities are especially encouraged to apply.

*Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status, or genetic information.*



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