NORTHWESTERN UNIVERSITY

Tenure-Track Assistant or Associate Professor

Materials Science and Engineering

The Department of Materials Science and Engineering at Northwestern University seeks an outstanding individual for a tenure-track faculty position in ceramics, in particular oxide-based materials. The appointment is at the assistant or associate professor level. Faculty duties include teaching at the undergraduate and graduate levels, development of an independent, internationally recognized research program, and supervision of student research. Candidates should have a distinguished academic and research record and a commitment to teaching in a highly interdisciplinary department.

Areas of interest include, but are not limited to, experiment, simulation, and theory in the electrical, optical, magnetic, mechanical, and thermal properties of ceramic materials.

Applications will be reviewed as they are received, and should be submitted preferably by **February 1, 2014,** but will be considered until **March 1, 2014.** Application materials should be submitted to the Search Committee Chair, exclusively via the web interface at **https://facultysearch.mccormick.northwestern.edu/apply/index/NjE=**

Applicants should upload (all in PDF format) a cover letter, a curriculum vitae, a statement of teaching and statement of research (each two pages maximum), and the names and contact information for three to five references.

Northwestern University is an equal opportunity, affirmative action employer. Qualified women and minorities are encouraged to apply. It is the policy of Northwestern University not to discriminate against any individual on the basis of race, color, religion, national origin, gender, sexual orientation, marital status, age, disability, citizenship, veteran status, or other protected group status. Hiring is contingent upon eligibility to work in the United States.

Paid Undergraduate Program

Sustainable Materials Research Training (SMaRT) Camp

June 15-August 16 2014

The CSMC Summer Research Program for undergraduates is a 9 week summer research program in sustainable materials science. Research positions are available in Chemistry, Physics, and Engineering. At the start of the summer, students attend a one week tutorial called the Sustainable Materials Research Training (SMaRT) Camp at the University of Oregon. After SMaRT Camp, students perform cutting edge research at one of the CSMC host labs.

Students receive a $4000 stipend

For more information and to apply online:
http://sustainablematerialschemistry.org/smart

CSMC center for sustainable materials chemistry

STEVENS INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

Tenure-Track Assistant Professor

Chemical Engineering and Materials Science

Stevens Institute of Technology announces a tenure-track faculty opening in the Department of Chemical Engineering and Materials Science (CEMS) starting August 1, 2014. As a leading academic department at Stevens, CEMS has its research centered on problems broadly related to energy, health, and defense that are closely aligned with the ten-year strategic plan of the Institute.

Applicants should have a PhD degree in Chemical Engineering, Materials Science and Engineering, or closely related disciplines. While all relevant areas will be considered, priority will be given to candidates with research interests in sustainable energy or innovative healthcare solutions. Successful applicants will be expected to develop strong extramurally funded research and show a clear commitment to both graduate and undergraduate education in an interdisciplinary environment. The search targets applicants for the rank of assistant professor but applications for higher ranks will also be considered, depending on the candidate's experience, record of accomplishments, and national and international recognition.

Applications will be accepted until the position is filled. Applicants should submit a curriculum vitae, a detailed research plan including long-term professional goals, a description of teaching interests, and contact information for at least three references.

Applicants can apply for this position at **http://www.apply2jobs.com/Stevens**.

Stevens Institute of Technology is an equal opportunity/affirmative action employer and actively seeks the candidacy of women and minorities.

Sandia National Laboratories

POSTDOCTORAL APPOINTEE in QUANTUM DEVICES
Ion Beam Laboratory

Albuquerque, NM

Sandia National Laboratories is searching for a Postdoctoral Appointee in Quantum Devices to join the Radiation-Solid Interaction team working at the newly constructed Ion Beam Laboratory located in sunny Albuquerque, New Mexico.

This is a great opportunity for a motivated postdoc to impact the field of quantum devices. We have ongoing research programs developing techniques to implant single ions into precise areas using a unique liquid metal ion source focused ion beam.

The selected candidate will be part of multidisciplinary teams working on device concepts, ion implantation, defect creation and annealing, and integrated device performance.

Requirements

- PhD in Electrical Engineering, Materials Science, Applied Physics, or Physics
- Active publication record (must be included with a resume)
- Candidate who is passionate for experiments and interested in learning new techniques and new physics to address a variety of challenges
- Minimum 3.2 undergrad / 3.5 grad (4.0 scale)

To learn more about this position and to apply online, please visit our Careers page at **http://www.sandia.gov/careers/search-openings.html.** Reference **Job Opening ID Number: 645040.**

U.S. Citizenship Normally Required. Equal Opportunity Employer. M/F/D/V.

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University of Connecticut

FACULTY POSITION | Materials Science & Engineering

The Materials Science and Engineering (MSE) Department at the University of Connecticut (UConn) seeks outstanding applicants at the Assistant, Associate, or Full Professor level. The MSE Department currently comprises 16 faculty members. We wish to strengthen our research and teaching portfolio in the following areas: materials synthesis and processing, metallurgy, and high temperature materials. Applications from outstanding candidates with expertise in other emerging areas of MSE will also be considered. Please visit our website http://www.mse.engr.uconn.edu/ for additional information about our department, faculty, and research.

Minimum Qualifications: Candidates for this position will have completed all requirements for their PhD degree in Materials Science and Engineering or a related field by time of appointment. Equivalent foreign degrees are acceptable. The successful candidate will have a strong commitment to excellence in both undergraduate and graduate teaching, service and outreach, and the ability to maintain an internationally recognized research program.

This is a 9-month tenure-track position with an expected start date of August 23, 2014. The successful candidate's primary academic appointment will be at the Storrs campus with the possibility of work at UConn's regional campuses across the state. Salary and rank will be commensurate with qualifications.

Applications must be submitted using Husky Hire (**http://www.jobs.uconn.edu/**). Please upload your curriculum vitae, a research plan of up to five pages, a teaching plan of up to three pages, and the names and contact information of four references. The requested submission format is a single PDF file in the order listed. Review of applications will start immediately. Please reference **search 2014283** in your application submission.

We encourage applications from under-represented groups, including minorities, women, and people with disabilities. The University of Connecticut is an EEO/AA employer.

PITT | SWANSON ENGINEERING

Faculty Position in Materials Science Engineering

The Department of Mechanical Engineering and Materials Science (MEMS) at the University of Pittsburgh (Pitt) invites applications for a tenure - track position in **Materials Science and Engineering (MSE)**. Successful applicants are expected to build an externally funded research program which contributes to the existing strengths of our program while enhancing strategic areas targeted for growth, such as functional materials and advanced processing with particular focus on additive manufacturing and materials for sustainability and energy applications. Preference will be given to applicants whose research focus includes deformation behavior of materials, advanced materials processing and/or microstructure-property relations; however, exceptional candidates in our strategic areas of growth are encouraged to apply.

Applicants should also have a background teaching undergraduate and graduate courses and should have a Ph.D. in Materials Science and Engineering or a related field.

While the position is primarily for the junior rank, applicants of higher rank with an outstanding track record will also be considered.

Applications should include the following materials in pdf form: a curriculum vitae, a concise statement of research and teaching interests, and a list of at least three references. An application can also be submitted by mail to *Chair (MSE Faculty Search), Department of Mechanical Engineering and Materials Science, 636 Benedum Hall, Swanson School of Engineering, University of Pittsburgh, Pittsburgh, PA 15261.* Review of applications will begin on January 31, 2014, and continue until the positions are filled. Women and minorities are strongly encouraged to apply. The University of Pittsburgh is an equal opportunity/affirmative action employer.

Qualified applicants are asked to submit their application electronically to:

pitt-mems-search@engr.pitt.edu

MULTIPLE FACULTY POSITIONS

Center for Phononics and Thermal Energy Science

Tongji University

The Center for Phononics and Thermal Energy Sciences (CPTES), School of Physics Science and Engineering, Tongji University, Shanghai, China (http://wphononics.tongji.edu.cn/ptes2013/index.php-classid=2682.shtml), invites applicants for several faculty positions (all ranks) in the field of Phononics, Thermal Energy Science and Engineering, Material Science and Engineering. Although experimental candidates are preferred, exceptional well-qualified theoretical and computational candidates will be also considered.

CPTES is a newly established institute dedicated to novel and revolutionary approaches in managing and harnessing heat via phononic thermal devices, thermoelectric material/device, and thermal metamaterials, etc. The purpose of the Center is to bridge fundamental research in physics and applications in material and thermal energy engineering.

Candidates should have a PhD degree in a relevant discipline, an outstanding record of original research, the capability to lead an independent research group, and experience in supervising undergraduate and graduate students. CPTES will assist the qualified candidates to apply for the youth 1,000 talent plan and/or 1,000 plan of the central government of China, and/or the 1,000 talent program of Shanghai municipality.

Interested candidates should submit application materials electronically to Mdm. Ding Yunxia at **dingyunxia@tongji.edu.cn.** Each application should include: a curriculum vitae, the names and addresses of at least three references, three representative publications, and a strategic statement of research interests.

The positions will be open until they are filled. Only the shortlisted candidate will be notified.

1907 TONGJI UNIVERSITY

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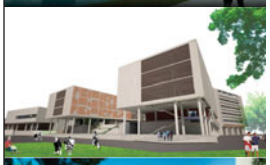


Hiring Professors at All Ranks at South University of Science and Technology (SUSTC)Shenzhen, China

The South University of Science and Technology (SUSTC) invites applications and nominations for all ranks of tenured and tenure-track faculty members in the Division of Science, Division of Engineering and Division of Management & Finance.

SUSTC, officially established in April 2012, is a public institution funded by the municipal of Shenzhen, a special economic zone city in southern China. The University is accredited by the Ministry of Education, China and is a pioneer in higher education reform in China. Set on five hundred acres of wooded landscape in the picturesque Nanshan (South Mountain) area, the new campus offers an idyllic environment suitable for learning and scholarship. SUSTC engages in basic and problem-solving research of lasting impact to benefit society and mankind.

The Division of Science, Division of Engineering, and the Division of Management & Finance wish to hire faculty members at all ranks. Key areas include but not limited to: *Neural and Cognitive Sciences, Biology and Gene Engineering, Modern Physics, Control and Modification of Materials, Nanoscience and Nanotechnology, Mathematics and Applied Mathematics, Molecular Chemistry and Catalysis, Large-Scale Computational Research, Robotics and Artificial Intelligence, Information Systems and Electronic Engineering, Modern Cities and Future Developments, Energy Sciences and Technology, Environmental Sciences, Financial Mathematics and Management Sciences.* The Divisions especially encourage research that requires a multi-disciplinary approach. Experienced researchers whose interests do not fall within the above areas are invited to suggest new areas of research. **Cluster hiring is possible, with senior members accompanied by junior members in a group.**

The teaching language at SUSTC is English or Putonghua. The choice is made by the instructor. As we expect an international faculty, the majority of teaching materials and reference books will be in English and many classes will be conducted in English. With a very high faculty-to-student ratio, SUSTC is committed to delivering a student-centered education and encourages students to develop their innovative spirits. Students at junior and senior years are expected to participate in research in the Research Centers.

The University offers competitive salaries, fringe benefits including medical insurance, retirement and housing subsidy. Leading Professors, Chair Professors and Professors will be appointed with tenure. Associate Professors and Assistant Professors will be offered tenure-track contracts.

Please visit our website to apply: http://talent.sustc.edu.cn/en/. All applications should include a CV and a detailed list of publications with Research ID. **Those interested in cluster hiring should send CVs and publication lists with Research ID as a group.** Evaluations will commence immediately and appointments will be made on a continuous basis. Additional information on SUSTC is available on the University homepage **http://www.sustc.edu.cn.**

Qualified applicants are also encouraged to apply for the Recruitment Program of Global Expert ("Thousand Talents Program") through SUSTC. Successful applicants will get extra research fund and living allowance from the government. Additional information is available through email inquiry or **http://talent.sustc.edu.cn/.**

If you have any questions, please feel free to contact us at **hiring@sustc.edu.cn.**

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