

Los Alamos National Laboratory
 (LANL), a multidisciplinary research institution engaged in strategic science on behalf of national security, has an opportunity for a Nanoscale Electronics & Mechanics Scientist in the Nanoscale Electronics and Mechanics (NEM) Thrust at the Center for Integrated Nanotechnologies (CINT).

Nanoscale Electronics & Mechanics Scientist

The selected scientist will:

- Work with the management and staff at Los Alamos and Sandia national laboratories to develop and maintain a forefront program of nanoscale science and user activities, and contribute to the development of new strategic initiatives and capabilities.
- Be expected to carry out his/her own vigorous program of scientific investigation and user interactions within the general area of metallic, semiconductor, and ceramic thin film synthesis, nanomechanical testing and small-scale sample design and fabrication, fabrication of novel nanoscale devices and structures, characterization of the structural and electronic properties of these materials, and their integration for device scale applications.
- Establish a strong national reputation through publications in high impact journals and presentations at national and international meetings.
- Interact with other sponsors of materials research advances in areas ranging from threat reduction to applied energy programs.

Minimum Job Requirements:

- A PhD in a relevant field of science or engineering or equivalent combination of education and experience.
- Demonstrated record of scientific nanoscale research achievement through publications, citations, and presentations.
- Demonstrated experience in grantsmanship and participation in or leadership of small-scale research projects.
- Experience serving as peer reviewer for publications and proposals
- A record of effective technical communication in English, teamwork, and consensus building.

To apply and learn more about this position and others, please visit careers.lanl.gov. Job IRC41315

EOE

Harry S. Truman Fellowship

in National Security Science and Engineering



Sandia National Laboratories is one of the country's largest research facilities employing nearly 8,500 people at major facilities in Albuquerque, New Mexico and Livermore, California. Please visit our website at www.sandia.gov.

We are searching for outstanding PhD candidates to apply for the Harry S. Truman Fellowship in National Security Science and Engineering. The Truman Fellowship provides the opportunity for recipients to pursue independent research of their choosing that supports Sandia's national security mission. Candidates are expected to have solved a major scientific or engineering problem in their thesis work or will have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

Candidates must have received a PhD degree within the past three years, or will complete all PhD requirements by commencement of appointment, with a broad-based background and extensive knowledge of research in one or more of the following focus areas: **bioscience, computing and information science, engineering sciences, geosciences, materials science, nanodevices and microsystems, and radiation effects science and high energy density physics**. Candidates must be seeking their first national laboratory appointment (pre-postdoc internships excluded), have excellent academic (minimum 3.5 undergraduate and 3.7 graduate GPA preferred) and research qualifications, good communication skills, and enjoy working in a team-oriented, dynamic environment.

The Truman Fellowship is a three-year appointment normally beginning on October 1. The salary is \$111,200 per year plus benefits and additional funding for the chosen research proposal. This position requires the ability to obtain and maintain a United States Department of Energy security clearance.

For complete application instructions, please visit: http://www.sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html

Please submit the complete package to: Yolanda Moreno, Sandia National Laboratories, P.O. Box 5800, MS 0359, Albuquerque, New Mexico 87185-0359, or email ymoreno@sandia.gov (email preferred), and reference **Job #649663**. All materials and online applications must be received by COB **November 1, 2015**.

Operated by


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



Chair Professor | Junior Faculty

Frontier Institute of Science and Technology
 Xi'an Jiaotong University

Valid through December 31, 2015

Frontier Institute of Science and Technology (FIST), a 4-year old research institute at Xi'an Jiaotong University (XJTU), has quickly grown into one of the best known multi-disciplinary research institutions in China. Its success owes to its high-quality faculty recruited from all over the world, together with a new system that maximizes the potential of each faculty member. FIST cordially invites applicants to fill new openings for ten Chair Professor positions and multiple junior faculty positions, covering a wide range of inter-connected fields including Physics, Mathematics and Information Science, Materials Science, Chemistry, Life Science, Medicine, Applied Sciences, etc.

An eligible applicant for **Chair Professor** position should be an internationally renowned scientist with outstanding publication record, with the ability and will to build up a nationally and internationally competitive research center or lab.


Contact and all application materials should be sent to:

Dr. Xiangli Meng
 Frontier Institute of Science and Technology (FIST)
 Xi'an Jiaotong University
 1 West Building, 99 Yanxiang Road
 Yanta District, Xi'an, Shaanxi Province
 P.R. China, 710054
 Tel/Fax: +86 29 83395131
 Email: fist@mail.xjtu.edu.cn

An eligible **junior faculty** candidate should have a track-record for excellence in research and the potential to become a young leader of his/her field. Depending on the overall qualifications, the applicant can be considered for professor, associate professor or lecturer.

Successful candidates will be provided with a competitive salary and significant start-up fund, appropriate lab space, together with other benefits. More details and information can be found at <http://fist.xjtu.edu.cn/job/show.asp?id=11>.

XJTU is an AA/EOE employer.

TENURE-TRACK FACULTY POSITION MATERIALS ENGINEERING

The Materials Research and Education Center at Auburn University seeks an outstanding individual for a tenure-track faculty position in the Samuel Ginn College of Engineering. Candidates will be considered at the assistant, associate, and full professor levels. Candidates are sought that enhance strategic areas targeted by the department for growth. In particular, emphasis will be placed on applicants with a record of research accomplishments in: (1) biosensing, sensing materials, biomaterials, sensors for food safety; and (2) additive manufacturing.

The successful candidate will be expected to establish a strong individual research program in one of the above areas. Associate level applicants and higher must demonstrate an active nationally and internationally recognized program. The candidate will be expected to participate in large-scale, multidisciplinary team efforts in one of the above areas. The appointee will teach both undergraduate and graduate courses in materials engineering and develop innovative, cross-disciplinary instructional activities.

The successful candidate must be professionally trained in materials science and engineering and hold a PhD from an accredited institution. The intended start date is January 1, 2016. Applications will be accepted until the position is filled. The review of applications will begin **October 1, 2015**. A link to the posting and application can be found at <http://aufacultypositions.peopleadmin.com/postings/1003>.

The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time the appointment is scheduled to begin, and must continue working legally for the proposed term of employment.

Auburn University is located in the City of Auburn, which was recently ranked in the top 10 nationally of Best Small Cities for Education as well as one of the top 10 places to live nationally. The university was chartered in 1856 and has an enrollment of approximately 25,000 students. It is ranked in the top 50 of public institutions. The picturesque main campus covers 1,875 acres and includes the entire southwest quadrant of the city of Auburn.

Auburn University is an Affirmative Action/Equal Opportunity Employer. It is our policy to provide equal employment opportunities for all individuals without regard to race, sex, religion, color, national origin, age, disability, protected veteran status, genetic information, or any other classification protected by applicable law.

Our Next Breakthrough **IS YOU.** Lawrence Postdoctoral Fellowship



The Lawrence Livermore National Laboratory (LLNL) has openings available under its Lawrence Fellowship Program. This is a highly desirable postdoctoral position that provides freedom to conduct independent, cutting-edge research, directed by the candidate, in an area 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.

Successful candidates will propose and subsequently conduct original research in one or more aspects of science relevant to the mission and goals of LLNL. Possible scientific areas include: Physics, Applied Mathematics, Computer Science, Chemistry, Material Science, Engineering, Environmental Science, Atmospheric Science, Geology, Energy, Lasers and Biology. Lawrence Fellows may participate in experimental or theoretical work at LLNL and will have access to LLNL's extensive computing facilities and specialized laboratory facilities. A senior scientist will be matched to the Fellow to serve as a collaborator and mentor. The candidates will receive full management and administrative support. The salary is \$8,628/mo.

Please refer to the following web page <http://apptrkr.com/634084> for eligibility requirements and instructions on how to apply. When applying and prompted, please mention where you saw this ad. The deadline for applications is November 1, 2015. LLNL is operated by the Lawrence Livermore National Security, LLC for the U.S. Department of Energy, National Nuclear Security Administration. We are an equal opportunity employer with a commitment to workforce diversity.



<http://fellowship.llnl.gov>

Jefferson Science Fellowship

The National Academies of Sciences, Engineering and Medicine is pleased to announce a call for nominations and applications for the 2016 Jefferson Science Fellows program. Initiated by the Secretary of State in 2003, this fellowship program engages the American academic science, technology, engineering and medical communities in the design and implementation of U.S. foreign policy.

Jefferson Science Fellows (JSF) spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, D.C. that may also involve extended stays at U.S. foreign embassies and/or missions.

The fellowship is open to tenured, or similarly ranked, academic scientists, engineers and physicians from U.S. institutions of higher learning. Nominees/applicants must hold U.S. citizenship and will be required to obtain a security clearance.

The deadline for 2016-2017 program year applications/nominations is **November 2, 2015**. To learn more about the Jefferson Science Fellowship and to apply, visit the JSF website at www.national-academies.org/jsf.

The JSF program is administered by the National Academies of Sciences, Engineering and Medicine and supported by the U.S. Department of State and USAID.

The National Academies of
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