

## Jefferson Science Fellowship



**USAID**  
FROM THE AMERICAN PEOPLE

The National Academies of Science, Engineering, and Medicine is pleased to announce a call for nominations and applications for the 2017 Jefferson Science Fellowship (JSF) 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 and international development objectives.

Fellows 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. As part of their assignments, Fellows may also have the opportunity to travel to U.S. embassies and missions overseas.

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 2017-2018 program year applications/nominations is **October 31, 2016**. To learn more about the Jefferson Science Fellowship and to apply, visit the website at:

[www.national-academies.org/jsf](http://www.national-academies.org/jsf)

*The National Academies of*  
**SCIENCES • ENGINEERING • MEDICINE**

## Our Next Breakthrough IS YOU Lawrence Postdoctoral Fellowship

### The Opportunity to Bring your Brightest Ideas to Life

The Lawrence Livermore National Laboratory (LLNL) has openings available in the Lawrence Fellowship Program. This highly competitive fellowship offers the freedom to conduct independent, self-directed, cutting-edge research in an area of the candidate's choice. Fellowships are awarded only to applicants with exceptional talent, credentials, leadership potential and track record of research accomplishments.

Successful candidates must propose and subsequently perform original research in a scientific area that is relevant to the mission and goals of LLNL. Broad topic 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. The duration of the Fellowship is up to three years. The salary is \$8,887/mo.

Please refer to the following web page <http://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 applications is October 1, 2016. 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.

 Lawrence Livermore  
National Laboratory

<http://fellowship.llnl.gov>

# Call for Assistant Professors and Professors



IST Austria invites applications for **Tenure-Track Assistant Professor** and **Tenured Professor** positions to lead independent research groups in all areas of

## PHYSICS

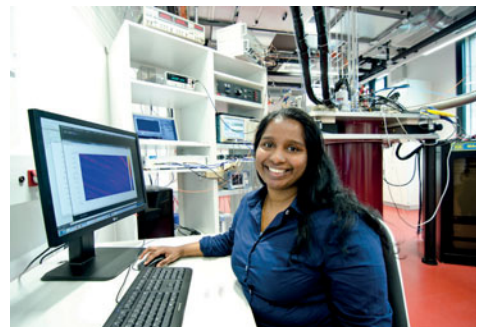
Applicants in condensed matter physics, bio- and soft matter physics, atomic physics and physical chemistry as well as cross-disciplinary areas are particularly encouraged to apply. IST Austria is in the process of building up a **new physics cluster including a micro- and nanofabrication facility** (300 m<sup>2</sup> clean room ISO classes 5-7). Our focus is on experimental physics, outstanding theoreticians will be considered as well.

IST Austria is a recently founded public institution dedicated to basic research and graduate education near Vienna. Currently active fields of research include biology, neuroscience, physics, mathematics, and computer science. IST Austria is committed to become a world-class centre for basic science and will grow to about 90 research groups by 2026. The institute has an interdisciplinary campus, an international faculty and student body, as well as state-of-the-art facilities. The working language is English.

Successful candidates will be offered competitive research budgets and salaries. Faculty members are expected to apply for external research funds and participate in graduate teaching. Candidates for tenured positions must be internationally accomplished scientists in their respective fields.

**DEADLINES: Open call for Professor applications. For full consideration, Assistant Professor applications should arrive on or before November 3, 2016. Application material must be submitted online: [www.ist.ac.at/professor-applications](http://www.ist.ac.at/professor-applications)**

IST Austria values diversity and is committed to equal opportunity. Female researchers are especially encouraged to apply.





ÉCOLE POLYTECHNIQUE  
FÉDÉRALE DE LAUSANNE

## Faculty Position in Inorganic Materials at the Ecole polytechnique fédérale de Lausanne (EPFL)

The School of Engineering (STI) of EPFL invites applications for a tenure-track assistant position in **inorganic materials** within the Institute of Materials. We seek exceptional individuals who will develop and drive a research program at the forefront of the discipline, who have a strong dedication to teaching at the undergraduate and graduate levels, and who will be proactive members of a vibrant Materials community.

Top-level applications are invited in all areas related to the design, synthesis, processing and characterization of functional inorganic materials including, but not limited to: materials for energy harvesting, conversion or storage; novel semiconductors; electronic, catalysis or photonic materials as well as materials for information technology or devices.

As a faculty member of the School of Engineering, the successful candidate will be expected to initiate an independent and creative research program and participate in undergraduate and graduate teaching. Internationally competitive salaries, start-up resources and benefits are offered.

EPFL, with its main campus located in Lausanne, Switzerland, is a dynamically growing and well-funded institution fostering excellence and diversity. It has a highly international campus at an exceptionally attractive location boasting first-class infrastructure. As a technical university covering essentially the entire palette of engineering and

science, EPFL offers a fertile environment for research cooperation between different disciplines. The EPFL environment is multi-lingual and multi-cultural, with English often serving as a common interface.

Applications should include a cover letter with a statement of motivation, curriculum vitae, list of publications and patents, concise statement of research and teaching interests, and the names and addresses of at least five referees. Applications must be uploaded in PDF format to the recruitment web site:

[go.epfl.ch/imx-search](http://go.epfl.ch/imx-search)

Formal evaluation of candidates will begin on **December 1<sup>st</sup>, 2016** and continue until the position is filled.

Enquiries may be addressed to:

**Prof. Harm-Anton Klok**  
Search Committee Chair  
Email: [imx-search@epfl.ch](mailto:imx-search@epfl.ch)

For additional information on EPFL, please consult the web sites: [www.epfl.ch](http://www.epfl.ch), [sti.epfl.ch](http://sti.epfl.ch) and [imx.epfl.ch](http://imx.epfl.ch).

*EPFL is committed to increasing the diversity of its faculty, and strongly encourages women to apply.*

## Harry S. Truman Fellowship in National Security Science and Engineering



Sandia  
National  
Laboratories

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](http://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 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](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](mailto:ymoreno@sandia.gov) (email preferred). Please reference **Job #653576**. All materials and online application must be received by COB **November 1, 2016**.

Operated by

**LOCKHEED MARTIN**



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



SAN DIEGO STATE  
UNIVERSITY

Mechanical Engineering

## FACULTY POSITION

### Multiscale Modeling of Materials

The Department of Mechanical Engineering seeks to fill a tenure-track position at the Assistant Professor level in the area of multiscale computational modeling of material systems starting Fall 2017. Mechanical Engineering is one of the four departments in the College of Engineering at San Diego State University with an EAC, ABET-accredited BS degree program, as well as MS and joint PhD programs. The department has internationally recognized programs in material science and processing, mechanics, energy and thermofluids, bioengineering, MEMS, NEMS, sensors, robotics, dynamic systems and control. It is anticipated that the person will develop synergies with areas of existing research strength and exploit emerging areas of research by developing a vigorous externally funded research program in the general area of multiscale computational modeling of material systems. A demonstrated ability to collaborate across disciplinary boundaries is essential. The department shares with the College of Engineering and the University a strong commitment to excellence in undergraduate and graduate education. He or she is expected to supervise teams of undergraduate as well as graduate students. Applicants must have a demonstrated ability to teach undergraduate and graduate level classes in material science, materials processing, computational materials, and other related areas of mechanical engineering.

For more information about the department, college and university, please visit: <http://mechanical.sdsu.edu>, <http://engineering.sdsu.edu>, and <http://www.sdsu.edu>.

Applicants must have an earned PhD degree in mechanical engineering or a closely related discipline. Applications must be received by **November 15, 2016** to receive full consideration; the position will remain open until filled. Candidates must apply via Interfolio at <http://apply.interfolio.com/36271>. Questions may be directed to the Search Committee Chair at [MEMMsearch@engineering.sdsu.edu](mailto:MEMMsearch@engineering.sdsu.edu).

*SDSU is a Title IX, equal opportunity employer.*

UCSB

ASSISTANT  
PROFESSOR

Materials Department

University of California, Santa Barbara

The Materials Department in the College of Engineering at the University of California, Santa Barbara is seeking applications for an Assistant Professor position (tenure-track) in Inorganic Materials.

Candidates should demonstrate the potential to build a world-leading, experimental research program focusing on areas such as the development of novel materials, advancing the science of unique properties, innovative materials characterization, and materials applications. We particularly encourage applications from candidates with expertise in materials in one or more of the following areas: materials for energy; strongly correlated electron and quantum materials; novel semiconductors and topological electronic materials, photonic materials; and functional materials for transformative device applications. Candidates must possess a PhD degree in materials science, physics, chemistry or related science and engineering fields by the time of appointment.

Applications consisting of a résumé, brief statements of teaching philosophy and research interests (2-page limit each), and the names and addresses of three references should be submitted online at <https://recruit.ap.ucsb.edu/apply/JPF00789>.

Please apply by **November 1, 2016** for primary consideration; however, the position will remain open until filled.

The Materials Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service.

*The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.*

MRS®



Career Central

A one-stop shop for all your  
career development needs!

### MRS JOB BOARD

#### FREE for Job Seekers

- Access hundreds of industry-specific job postings
- Post resumes in confidence
- Access the advanced Job Alert system

#### Employers

- Quickly and easily post job openings
- Gain added exposure to candidates by purchasing ad space on most-visited web pages
- Browse job seeker resumes and pay only when applicants respond
- Reach targeted and qualified candidates
- Enjoy MRS Member discounts

What are you waiting for?  
Visit MRS Career Central today!

[www.mrs.org/career-central](http://www.mrs.org/career-central)