



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 the **Chair Professor** position should be an internationally renowned scientist with an outstanding publication record, and 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.

POSTDOCTORAL POSITION

Dynamic Failure/High Speed X-ray Imaging



Applications are invited for an opening for a post-doctoral scholar in the Department of Materials Science and Engineering (<http://engineering.jhu.edu/materials/>) and the Hopkins Extreme Materials Institute (<http://hemi.jhu.edu>) at Johns Hopkins University.

The general area of interest is in dynamic characterization of materials, with an emphasis on high-speed x-ray phase contrast imaging studies of failure of geological materials under dynamic loading. The strongest candidates for this position will have experience in one or more of the following areas: experimental and theoretical aspects of x-ray phase contrast imaging, time resolved studies of materials using synchrotron radiation, and dynamic failure of materials.

Candidates for this position must have an earned doctorate in materials science or a related field. Interested candidates are encouraged to contact Prof. Todd Hufnagel at hufnagel@jhu.edu for additional information. To apply, please send a single PDF containing a résumé or CV, copies of two relevant publications, and the names and contact information of three references to Prof. Hufnagel at hufnagel@jhu.edu.

Johns Hopkins University is an EEO/AA employer. Women and minorities are especially encouraged to apply.

Director, Materials Research Laboratory & Professor College of Engineering University of Illinois at Urbana-Champaign

The College of Engineering at the University of Illinois at Urbana-Champaign invites applications for the position of Director of the Frederick Seitz Materials Research Laboratory (MRL). The MRL is a state-of-the-art research facility that fosters interdisciplinary research at the forefront of materials science. MRL brings together world-class faculty and students in condensed matter physics, materials chemistry, and materials science in a highly collaborative research environment. Participants in the MRL come from many departments across the College of Engineering and the campus. For more information on the MRL, please visit their website at <http://mrl.illinois.edu/>.

This position provides overall leadership and a long-term vision to leverage the capabilities of the MRL. Candidates must be eligible to hold a tenured full Professor position within the College of Engineering at the University of Illinois. The desired start date for this position is as soon as possible. To ensure full consideration, applications should be received by **September 1, 2015**, but applications will be accepted until the position is filled. **Please visit <http://jobs.illinois.edu> to view the complete position announcement and application instructions.**

The University is an EEO Employer/Vet/Disabled
www.inclusiveillinois.illinois.edu and committed to a family-friendly
environment (<http://provost.illinois.edu/worklife/index.html>).



institute
imdea
materials



Scientist Positions at IMDEA Materials Institute

IMDEA Materials (Madrid Institute for Advanced Studies of Materials) is a non-profit, independent research institute, promoted by the Regional Government de Madrid (Spain) to carry out research in Materials Science and Engineering. IMDEA Materials Institute is committed to excellence in research by attracting talent from all over the world and to foster technology transfer to the industrial sector in a truly international environment. More information about the activities of the Institute can be found at www.materials.imdea.org

IMDEA Materials Institute is looking for Senior Scientists (tenured positions) and Scientists (tenure-track positions) in the following areas:

- **Computational design of metallic materials** to predict the influence of alloy composition and processing route on the microstructure (phases, precipitation, segregation, grain size and shape, texture, etc.) through advanced numerical modeling (computational thermodynamics, computational kinetics, phase-field modeling, etc.).
- **Electrochemistry** with particular emphasis in the following areas:
 - Synthesis and characterization of new materials for energy storing devices (physical chemistry of hybrid materials, charge transport in ordered mesoporous materials and on nanostructured surfaces, interfacial processes in multi-materials, etc.).
 - Corrosion and corrosion protection of materials.

Candidates should hold a doctoral degree in Materials Science (or related discipline) and demonstrate the ability to carry out independent research which combines high quality scientific research with technology transfer to industry, particularly for senior appointments. Leadership to develop an independent group within the institute's framework of research activities and good communication skills are required. Interested candidates should submit their Curriculum Vitae (including complete contact information for two references) and an one-page statement of their research objectives through the institute's website:

www.materials.imdea.org/open-positions/staff-researchers