



PROFESSOR/ASSOCIATE PROFESSOR/ASSISTANT PROFESSOR DEPARTMENT OF MECHANICAL ENGINEERING

Ref: 201500192



香港大學

THE UNIVERSITY OF HONG KONG

Founded in 1911, the University of Hong Kong is committed to the highest international standards of excellence in teaching and research, and has been at the international forefront of academic scholarship for many years. The University has a comprehensive range of study programmes and research disciplines spread across 10 faculties and over 140 academic departments and institutes/centres. There are over 27,700 undergraduate and postgraduate students who are recruited globally, and more than 2,000 members of academic and academic-related staff coming from multi-cultural backgrounds, many of whom are internationally renowned.

Applications are invited for a tenure-track appointment as **Professor/Associate Professor/Assistant Professor in the Department of Mechanical Engineering**, Faculty of Engineering, in **additive manufacturing or 3D printing of near-net shapes of metallic structures**, to commence as soon as possible, on a three-year fixed-term basis, with the possibility of renewal, or on tenure terms for exceptionally outstanding candidates for Associate Professor or above.

The Department offers BEng, MSc, MPhil and PhD degree programmes. The Department also contributes to the Medical Engineering programme, which is jointly offered by the Faculties of Engineering and Medicine. The Department employs about 30 full-time faculty and has well-equipped teaching and research facilities and support. The Department has a vibrant research environment and promotes cutting-edge research in strategic areas including materials and nanotechnology, design and manufacturing, control and robotics, biomedical engineering, and energy and environment. Information about the Department can be obtained at <http://www.mech.hku.hk/>. The Faculty of Engineering has recently secured a grant to purchase state-of-the-art 3D facilities.

Applicants should possess a PhD degree in Mechanical Engineering, Materials Science and Engineering, or a closely related field with an excellent research record. The appointee is expected to conduct frontier research in additive manufacturing and related areas, and be responsible for quality teaching in relevant subjects at both undergraduate and postgraduate levels, and other fundamental engineering courses at the undergraduate level. Applicants who have responded to the previous advertisement (Ref: 201400297) need not re-apply.

A globally competitive remuneration package commensurate with the appointee's qualifications and experience will be offered. At current rates, salaries tax does not exceed 15% of gross income. The appointment will attract a contract-end gratuity and University contribution to a retirement benefits scheme, totaling up to 15% of basic salary, as well as annual leave, and medical benefits. Housing benefits will be provided as applicable.

Applicants should send a completed application form together with an up-to-date C.V. to mepost@hku.hk and indicate clearly which field and level they wish to be considered for and the reference number in the subject of the e-mail. Application forms (341/1111) can be downloaded at <http://www.hku.hk/apptunit/form-ext.doc> and further particulars can be obtained at <http://jobs.hku.hk/>. **Review of applications will begin on April 1, 2015, and will continue until June 30, 2015.** The University thanks applicants for their interest, but advises that only candidates shortlisted for interviews will be notified of the application result.

The University is an equal opportunities employer and is committed to a No-Smoking Policy.



RESEARCH POSITIONS

The **National Institute for Materials Science (NIMS)** was established with the mission of improving the level of materials science and technology in Japan. NIMS invites applications for **permanent researcher positions (age retirement system)**. We welcome female researchers, applicants from outside Japan, and applicants who have corporate experience. We are recruiting international researchers who can engage in the world-class, next-generation materials research.

POSITIONS

Field Specified:

6 Positions (one position/field)

1. Theory of condensed matter physics
2. Solid state electrochemistry
3. Materials science for high-Tc superconducting wires for applications
4. Synthesis of ceramics
5. Fuel-cell and/or hydrogen utilization materials
6. Hybrid materials (including CFRP: carbon fiber reinforced polymer matrix composites) for structural applications

Fields Not Particularly Specified

(Materials Science): Availability Limited

NIMS is recruiting researchers from a wide range of fields. Researchers from any fields are accepted as long as their research is related to the materials.

The closing date for applications is **31 May 2015**.

For further information and to apply, please visit <http://www.nims.go.jp/eng/employment/permanent-researcher.html>.





Faculty Position in Advanced Materials

School of Materials Science & Engineering • College of Engineering, Architecture & Technology

The School of Materials Science & Engineering seeks applications for a tenure-track faculty position at the **Assistant or Associate Professor** level. Applicants should have an earned PhD degree in materials science and engineering or a related field. Research experience beyond doctoral studies is desirable. The successful candidate will be expected to develop an externally funded, internationally recognized research program in advanced materials; to excel in teaching at both the undergraduate and graduate levels; and to work collaboratively across the university and State.

The successful candidate will join an existing group of faculty in the School of Materials Science and Engineering housed in the 123,000 square foot Helmerich Advanced Technology Research Center (HATRC) on the OSU campus in Tulsa. The vision for the HATRC is to be internationally recognized for advanced materials research, graduate education, and new enterprise development. Applicants should have research interests which complement thrusts in advanced/nanomaterials useful for energy systems, biological/medical systems, and information technologies. A person with a background in Materials Science and Engineering and research experience and interest in energy materials is sought. Ideally, a person with backgrounds in optically active materials, photovoltaic materials and devices, and experience in clean room processing of materials and devices will be preferred. The School enjoys strong support from alumni, friends, and industry; providing several endowed chairs and professorships and numerous research and educational partnerships. For more information about the school and its successes, please visit <http://www.osu-tulsa.okstate.edu/helmerich/mse>.

TO APPLY:

Formal applications must be submitted online at <https://jobs.okstate.edu>. **Search for Materials Science & Engineering Faculty-Requisition/ Listing Number 11508**. Applicants should provide a single PDF file containing a one-page cover letter, a curriculum vita, a statement of teaching interests and goals, a statement of research interests and goals, and contact information of five references. Screening of applicants will begin as applications arrive and continue until the position is filled, contingent on available funding.

Questions may be addressed to:

Dr. Raj N. Singh
Chair, MSE Faculty Search Committee
Phone: 918-594-8650
E-mail: rajns@okstate.edu

Oklahoma State University is an EEO E-Verify employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, genetic information, sex, sexual orientation, gender identity, national origin, disability, or veteran status. OSU-Stillwater is a tobacco-free campus. For more information go to www.afirmact.okstate.edu.

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FALL 2015 POSTDOCTORAL RESEARCH AWARDS

Advance solar energy technology

The U.S. Department of Energy Office of Energy Efficiency and Renewable Energy (EERE) seeks proposals for post-doctoral research projects for the fall of 2015. Research must contribute to the SunShot Initiative goal to make solar energy technologies cost-competitive with traditional energy sources by 2020.

Award Includes:

- Highly competitive yearly stipend and two years of support
- Research, travel, and relocation allowances included
- Health insurance

Requirements:

- Must be a U.S. citizen or permanent resident
- Must complete Ph.D. requirements by May 31, 2015
- Must have had a Ph.D. for no more than 5 years
- Must submit a proposal and find a mentor to work on a research project relevant to SunShot Initiative goals and preferred research topics

Learn more and apply at

energy.gov/eere/education/eere-postdoctoral-research-awards.

Application Deadline: May 7, 2015

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy



FACULTY POSITIONS

School of Materials Science and Engineering
Northwestern Polytechnical University

The School of Materials Science and Engineering at Northwestern Polytechnical University, one of the **TOP THREE** disciplines in materials science and engineering in China, invites applications for faculty positions at the professor level (including “Thousand Professor” and “Youth Thousand Professor”).

Applicants must hold an earned doctorate in materials science and engineering or a closely related discipline. Candidates should demonstrate exceptional promise for high-quality research, teaching, and professional development in the following areas:

- Advanced materials: metals, composite materials, nano-materials, energy materials, bio-materials
- Materials processing and engineering
- Computational materials science: materials genome, etc.

Highly qualified candidates in other areas of materials science and engineering will also be considered.

We provide:

- Research funding no less than 5 million RMB
- Annual salary no less than 350,000 RMB
- Lab space of 100-200m²
- Living house no less than 135m²
- The best kindergarten, primary school, middle school, and high school for children in Xi'an

To apply:

Applicants should submit the following documents via email to yuan4@nwpu.edu.cn. Applications will be considered until positions are filled.

1. A curriculum vitae
2. Three representative papers
3. Three references (including names and contact information)
4. Research plan

For information and questions, please visit <http://cailliao.nwpu.edu.cn/en/index.htm>.

TENURED AND TENURE-TRACK FACULTY POSITIONS

School of Materials Science and Engineering | Xi'an Jiaotong University

The School of Materials Science and Engineering (SMSE), Xi'an Jiaotong University (XJTU), invites applications for multiple new faculty positions (assistant professor, associate professor, and professor). As a “211” and “985” school, XJTU is a one of the top universities in China, with a dynamic research atmosphere. The university is planning to make unprecedented investments, emphasizing cutting-edge research and innovations, to attract world-class researchers to its ranks.

SMSE has 103 full-time faculty and staff, and over 700 full-time and part-time graduate students in three academic departments—the Department of Materials Science, the Department of Materials Physics and Chemistry, and the Department of Materials Processing Engineering. It is experiencing very rapid growth in new programs, faculty, research funding, and space.

All the successful candidates must have a doctorate degree in Materials Science and Engineering or closely related fields. They will hold tenured (or tenure-track, for assistant professors) appointments at SMSE and receive sizable start-up research grants from XJTU. Salary and compensation will be commensurate with experience and at a level competitive with similar positions in the US.

Review of applications will begin immediately, and will continue until the positions are filled. The application package should include a CV, a list of publications, and a short summary of previous and planned research activities. Three (3) Letters of Reference should be arranged to be sent directly to:

Ms. Xiaohua Cheng
School of Materials Science and Engineering, Xi'an Jiaotong University
28 West Xianning Road, Xi'an, Shaanxi 710049, P.R. China
xiaohuacheng@mail.xjtu.edu.cn

Further information is available at <http://mse.xjtu.edu.cn/en>.

No special consideration will be given based on gender, nationality, or ethnic background.



西安交通大学
XIAN JIAOTONG UNIVERSITY



材料科学与工程学院
School of Materials Science and Engineering



Physicist

Synchrotron Radiation Studies Group
Materials Science Division

The Synchrotron Radiation Studies Group of the Materials Science Division at Argonne National Laboratory has an opening at the mid-career Scientist level. The successful appointee will conduct fundamental research using synchrotron x-ray techniques to enable the creation and characterization of materials that impact future energy-related applications. We seek an outstanding scientist with experience in advanced x-ray techniques including use of coherent x-rays. The successful candidate must have a strong publication record, excellent communication skills, and experience developing and managing research programs.

Interested candidates should apply through the Argonne web site as instructed at <http://www.anl.gov/careers/apply-job/>. Refer to requisition number **322857 MSD**. Questions may be directed to Dr. Dillon Fong at fong@anl.gov. We offer an excellent salary, great benefits package, and relocation assistance. Argonne has a child care center and exercise facility on site, and is located in the middle of a large forest preserve. Argonne is part of the vibrant, affordable Chicago metropolitan area with great urban and suburban neighborhoods and high quality schools.

Qualifications: PhD in Materials Science, Physics, Chemistry, or a related field and at least 5 years of experience beyond a PhD. Demonstrated expertise in the application of synchrotron radiation to materials science problems, particularly regarding time-dependent studies and coherent x-ray scattering.

Argonne is a U.S. Department of Energy laboratory managed by UChicago Argonne, LLC. Argonne is an equal opportunity employer, and we value diversity in our workforce.