

Positions Available



**Indian
Institute
of Science**

Bangalore, India



POSTDOCTORAL POSITION

The Indian Institute of Science seeks postdoctoral applicants to work in an interdisciplinary research programme between materials and mechanical engineering on nanotribology and high temperature coatings. Suitable candidates will have core expertise in one or more of the following fields: mechanical behaviour of materials, microscopy (TEM, AFM), mechanics modeling, or tribology. Facilities available include nanoindenters, SPMs, FIB, FEG-TEM, SEM, nanotribometers, and excellent computing resources.

Positions are available with immediate effect and carry a monthly remuneration of about Rs 25,000/-.

Applications with a CV and list of three referees may be sent to Professors:

S. K. Biswas at skbis@mecheng.iisc.ernet.in
V. Jayaram at qjayaram@materials.iisc.ernet.in

www.iisc.ernet.in



BROWN

**FACULTY POSITION
(Open Rank)
Nanoscience Chemistry
Brown University**

The Department of Chemistry at Brown University invites applications for a faculty position in Nanoscience Chemistry. The nanoscience position is part of the University's Center for Nanoscience and Soft Matter (<http://www.brown.edu/Departments/IMNI/>). The preferred start date for the position is July 01, 2009. The position is available at a tenure-track Assistant Professor rank or tenured senior rank (Associate Professor or Full Professor). To guarantee full consideration, all application materials should be received by **November 1, 2008**.

Candidates must have a PhD degree in chemistry or a closely related field. Assistant Professor applicants will be expected to demonstrate potential for outstanding scholarship and teaching. Associate and Full Professor applicants should have an outstanding record of independent research accomplishment, with concomitant strong evidence of emerging or realized leadership in their field. All candidates should submit a complete curriculum vitae, publication list, and statement of research plans to the committee chair, Prof. Shouheng Sun, Department of Chemistry, Brown University, Providence, RI 02912-9108. Additionally, Assistant Professor applicants should have three letters of reference sent. Associate Professor and Full Professor applicants should provide names of at least five references from which letters can be solicited.

Women and candidates who are members of minority groups are encouraged to apply. Brown University is an Equal Opportunity Affirmative Action employer.



Research Associate (Wissenschaftliche/r Mitarbeiter/in)

Job description:

In an interdisciplinary research group you are responsible for the preparation of beams of size selected cluster and nanoparticles. The goals of the project are: (1) experiments within an European cooperation project for the study of quantum effects in macroscopic systems in collaboration with groups in Vienna, Basel and Munich and (2) the synthesis of novel alloy systems based on cluster beam deposition.

Your qualifications:

You have received a Ph.D. degree in (Solid State) Physics, Materials Science or Physical Chemistry. Your scientific expertise is in the area of aerosol particle synthesis or synthesis of clusters in the gas phase. Moreover, you have a solid background in the characterization of clusters and materials as well as in vacuum technology. You are challenged by interdisciplinary research projects and international cooperations.

The position is available initially for three years with a possibility for extension. The opportunity for Habilitation within the German University system is given.

The location is either at the Joint Research Laboratory Nanomaterials at the Technische Universität Darmstadt or at the Institute for Nanotechnology of Forschungszentrum Karlsruhe.

Please send your application with the CV, publication list and names of references to: Prof. Dr. Horst Hahn, TU Darmstadt, Institute of Materials Science, Joint Research Laboratory Nanomaterials, Building L2/01, Petersenstr. 23, 64287 Darmstadt, Germany.

POSTDOCTORAL RESEARCH ASSOCIATE Department of Physics and Astronomy George Mason University

George Mason University, Department of Physics and Astronomy, invites applications for a Postdoctoral position to perform modeling and computer simulations of metallic materials. The work is aimed at fundamental understanding of mechanical and thermodynamic properties of materials interfaces and their role in various physical processes. The methodology includes large-scale molecular dynamics and Monte Carlo simulations with classical semi-empirical potentials, as well as development of new potentials for complex systems. Sample publications of the group can be downloaded from <http://physics.gmu.edu/~ymishin/>.

A successful applicant must have strong experience in atomistic simulations, especially molecular dynamics. The appointment will be made for 24 months with a possible renewal. Screening of candidates will start immediately and will continue until the position is filled. To apply for **Position F9178z**, go to <http://jobs.gmu.edu/> and attach a cover letter, CV, statement of research interests, and a list of at least three references electronically. Inquiries can be addressed to Prof. Y. Mishin at ymishin@gmu.edu.

AA/EOE

Positions Available


POSITIONS AVAILABLE
Cabot Superior MicroPowders

Cabot Superior MicroPowders (CSMP) is a leading US (Albuquerque, NM) materials solutions provider. CSMP leverages its technical core competencies delivering advanced materials systems for a variety of markets and applications. CSMP has developed a manufacturing process for powders that provides unique characteristics that are not achievable by other manufacturing processes. We value integrity, respect, innovation and competitiveness. As part of CSMP's growth plan, we are seeking applicants to fill the following position.

MATERIALS SCIENTIST

Job Code: Materials Scientist

Description: Develops, formulates, characterizes new materials and works with project teams to develop these new materials into products for document security applications. Works with customers, business and research and development functions to translate customer product specifications into development programs and leads the execution of projects. Participates in IP strategy and invention disclosures of new processes and materials

Desired Level of Education: PhD degree in Materials Science or Chemistry with three years of industrial experience in product development. Or, a Masters degree in Materials Science or Chemistry with five years of industrial experience in product development.

Desired Skills: Experience working in commercial product development teams and excellent scientific and technical knowledge of the synthesis and characterization of materials with hands-on experience in product development and application. Preferably, industrial experience in manufacturing and optimizing luminescent materials is desired.

CSMP offers competitive pay, an attractive benefits package, and career advancement opportunities. For prompt confidential consideration, please apply online at www.cabot-corp.com.

CSMP is an Equal Opportunity Employer

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, prestigious postdoctoral position with ample resources and freedom to conduct cutting-edge research in a field 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.

Candidates will do original research in one or more aspects of science relevant to the mission and goals of LLNL which include: Physics, Applied Mathematics, Computer Science, Chemistry, Material Science, Engineering, Environmental Science, Atmospheric Science, Geology, Energy, Lasers and Biology. Successful candidates may participate in experimental or theoretical work at LLNL, and will have access to LLNL's extensive computing facilities, specialized laboratory facilities and field equipment. A senior scientist will serve as a mentor to each of the Fellows. The candidates will receive full management and administrative support. The first year salary is \$8,092/mo.

Please refer to our web page <https://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 application is November 3, 2008. 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.

<https://fellowship.llnl.gov>

 **Lawrence Livermore
National Laboratory**

Carnegie Mellon

FACULTY POSITION

Department of Chemistry at Carnegie Mellon University

The Department of Chemistry at Carnegie Mellon University invites applications for a tenure-track faculty position (rank open) in the area of Materials Chemistry. The successful applicant will benefit from Carnegie Mellon's highly collaborative environment spanning the Chemistry, Physics, Biology, and Engineering Departments, and from participation in university-wide initiatives aimed at addressing the energy-related challenges. Favorable consideration will be given to applicants having research interests in inorganic/hybrid materials which could find applications in the areas of energy conversion and storage.

Candidates are expected to build a vigorous externally funded research program and exhibit a very strong commitment to teaching at both the undergraduate and graduate levels. Applications should contain (1) a curriculum vita, (2) a list of publications, (3) a description of research plans, and (4) three letters of recommendation, and be sent to: Professor Tomasz Kowalewski at materials-chemistry-search@andrew.cmu.edu. Hard copies of this information can also be mailed to Dr. T. Kowalewski, Materials Search Committee, Department of Chemistry, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213. Review of applications will begin on **October 1, 2008** and continue until a suitable candidate is identified.

CMU is an Equal Opportunity/Affirmative Action employer committed to building a diverse faculty; women and minorities are strongly encouraged to apply for this position.

FACULTY POSITION

Polymers and Biopolymers

University of Southern California

The Mork Family Department of Chemical Engineering and Materials Science at the USC Viterbi School of Engineering is interested in recruiting faculty at all levels. Candidates with expertise in the fields of polymer/biopolymer science and engineering are particularly encouraged to apply. Preference will also be given to candidates who will help advance the university and school initiatives, including the initiatives on biomedical nanosciences and energy.

Qualified applicants should contact Professor Theodore Tsotsis, by phone at 213-740-2227 or by e-mail at tsotsis@usc.edu.

USC is an Affirmative Action/Equal Opportunity Employer and strongly encourages applications from women and members of underrepresented groups.

Positions Available



FACULTY POSITIONS

Materials Science and Engineering

The University of Texas at Dallas



The Materials Science and Engineering Department (<http://mse.utdallas.edu/>) in the Erik Jonsson School of Engineering and Computer Science (<http://ecs.utdallas.edu/>) at The University of Texas at Dallas (<http://www.utdallas.edu>) is seeking motivated and dynamic candidates with expertise principally in the following multidisciplinary areas:

- ▶ **Energy and the Environment**, including solar energy (photovoltaics), hydrogen generation, and storage.
- ▶ **Bioelectronics**, with a focus on the interface between the biological and electronic worlds.
- ▶ **Multifunctional Sensors**, with a focus on novel materials or structures for chemical, physical, and bio sensors.
- ▶ **Nanoelectronics**, including organic or carbon-based, flexible electronics, graphene, and hybrid materials.

Tenure-track appointments at the Assistant Professor level are favored, though more senior candidates will be considered. The candidate must have a PhD degree in Materials Science, Electrical Engineering, Chemistry, Physics, or a related field with a strong record of scholarly achievements. The candidate must also be able to demonstrate his/her potential for attracting external research funding. Junior level candidates belonging to underrepresented groups are particularly encouraged to apply.

The search committee will begin evaluating applications as soon as possible and will continue until the position is filled. Applicant submissions should include 1) a C.V., 2) a detailed research statement, 3) a one page teaching philosophy statement, 4) a list of three references with contact information, and 5) a cover letter describing the interest in this multidisciplinary program. Indication of ethnicity and sex are requested as part of the application, but not required.

The Materials Science and Engineering department is composed of highly interactive, diverse faculty members carrying out a broad range of research programs (external research funding >\$600K/faculty/year) in collaboration with Electrical Engineering, Physics, Chemistry, Biology, UT Southwestern Medical School, and many external collaborators. The department is located in the new Natural Science and Engineering Research Laboratory (<http://www.utdallas.edu/nserl/>), with new state-of-the-art facilities for synthesis, growth, nanofabrication, interface, and electrical characterization. The environment is ripe to welcome highly motivated faculty to help take the research and educational programs to the level of first tier universities. To help reach this goal, the department is further developing a comprehensive mentoring program initiated by the new VP of Diversity and Community Engagement (<http://www.utdallas.edu/diversity/>).

The University is located in one of the most attractive suburbs of the Dallas metropolitan area. There are over 900 high-tech companies within 5 miles of the campus, including Alcatel, EDS, Ericsson, Fujitsu, Hewlett-Packard, Texas Instruments, MCI, Nokia, Nortel Networks, Perot Systems, and Raytheon. Several leading telecommunications companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Erik Jonsson School has experienced very rapid growth in recent years and recently ranked among the top 50 public engineering schools in the U.S.

UTD is an AA/E O employer.

Applications (preferably in PDF format) should be sent via e-mail to jobsrch@utdallas.edu. Please include **Academic Search #7090** in the Subject line. Alternatively, a hard copy may be sent to:



Academic Search #7090
The University of Texas at Dallas
 Mail Station AD 42
 800 W. Campbell Road
 Richardson, TX 75080-3021

Positions Available



FACULTY POSITIONS
(Multiple with Rank Open)
Department of Materials Science and Engineering
University of Illinois at Urbana-Champaign

The Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign is seeking exceptional candidates for tenure-track or tenured faculty positions with expertise in fundamental science or engineering of advanced materials. To be considered for tenured positions, applicants must have achieved national and international recognition for their scholarship. Faculty members in the Department are expected to teach undergraduate and graduate courses, and initiate and sustain a vigorous graduate research program. Applicants must provide a curriculum vita that includes their teaching experience and interests, a list of publications, and a synopsis of a proposed program of research. Candidates for tenure-track positions must have three (3) letters of reference sent directly to the department. Candidates for tenured positions must include the names and contact information of at least three (3) references.

The Department has 27 faculty and more than 225 undergraduate and 185 graduate students, with nationally ranked graduate and undergraduate programs. The Department offers a rich research environment that spans experimental, computational, and theoretical studies in biomaterials, ceramics, complex fluids, metals,

polymers, electronic, and photonic materials. Extensive state-of-the-art experimental and computational facilities are housed on campus in the Frederick Seitz Materials Research Laboratory, the Beckman Institute, and NCSA.

Applicants must hold an earned doctorate in an appropriate field. Salary and rank will be commensurate with qualifications. The proposed starting date for these positions is as soon as possible after the closing date. To ensure full consideration, applications must be received prior to **November 15, 2008**. Interviews may take place during the application period, but a decision will not be made until after the closing date.

Applications will be accepted online at <http://www.mse.uiuc.edu/FacultyOpenings.html>. If you do not have online access, please contact the department office for further options:

Department of Materials Science and Engineering
 1304 W. Green Street, Urbana, IL 61801
 Telephone: 217-333-1440; Fax: 217-333-2736
 E-mail: mse@illinois.edu

The University of Illinois is an Affirmative Action, Equal Opportunity Employer.



TECHNICAL EDITOR

MRS Bulletin
Materials Research Society

Full-time technical editorial position available with international monthly magazine on materials research.

Position involves coordinating and editing technical articles, style editing, proofreading, tracking editorial and production activities, and some writing. Candidates must be detail-oriented, highly organized, self-motivated, and able to set priorities and meet deadlines. Top-notch skills and high accuracy are essential. Qualified candidates will have a background in English and science, a bachelor's or higher degree, and at least five years of technical editorial experience.

Send resume, references, salary requirements, and a cover letter detailing experience to **Judy Meiksin**, *MRS Bulletin*, Materials Research Society, meiksin@mrs.org. Nominations for potential candidates also welcome.



The Department of Chemical and Materials Engineering at the University of Kentucky invites applications for an MSE faculty position (#SP522732) as **Assistant or Associate Professor**.

Candidates with expertise in the areas of computational materials, processing of energy related materials and materials characterization are encouraged to apply. Applicants should have a Ph.D. in Engineering or relevant post-doctoral experience, the capability to develop a strong and nationally recognized research program, and a commitment to excellence in undergraduate and graduate education in Materials Science and Engineering. Associate Professor-level applicants should have a highly visible record of professional service, curriculum development, and a strong research program.

The strengths of existing MSE program are in the areas of micro- and nano-mechanics, nano-scale materials fabrication, and smart materials. The University and Department are committed to the goal of achieving Top 20 status as one of the nation's preeminent public research institutions and to a two year renovation plan of the Materials Research laboratories. More information on the department can be found at: <http://www.engr.uky.edu/cme>.

Apply for job # **SP522732** online at www.uky.edu/ukjobs no later than December 31, 2008.

The University of Kentucky is an equal opportunity university. We encourage applications from women, minorities, and all interested and qualified people.

Positions Available



Faculty and Academic Staff Positions
College of Engineering
Alfaisal University



Alfaisal University is a private, non-profit, research university comprising of the Colleges of Engineering, Science, Medicine and Business. The language of instruction is English and modern learning outcomes, paradigms and technologies are used. The university was founded by The King Faisal Foundation along with organizations such as Boeing, BAE Systems, United Technologies, THALES and King Faisal Specialist Hospital & Research Center, who all serve on its Board of Trustees.

The College of Engineering will offer undergraduate and graduate programs in the following disciplines and areas: **ELECTRICAL** (power, communications, signal processing, electronics, photonics, remote sensing and geodata analysis), **COMPUTER** (intelligent systems, language and speech, computer systems, computation), **MECHANICAL** (applied mechanics, thermofluid engineering, product creation), **AEROSPACE** (propulsion, aerospace systems, transportation, system dynamics and control), **MATERIALS** (materials processing, materials properties and performance, polymers, nanoscience and technology), **CHEMICAL** (catalysis, reactor design, separations, design-systems), **INDUSTRIAL** (operations research, product and operations management, engineering management economics and finance). All programs have been developed by renowned scholars from leading universities in the US and the UK and are designed to be qualified for accreditation according to US and UK educational standards.

Alfaisal Engineering seeks candidates for the following positions: **SENIOR FACULTY** (with research, instructional, and administrative responsibilities), **JUNIOR FACULTY** (with research and instructional responsibilities). Attractive salary and start-up support is provided. Queries and applications should be sent to dean_engnr@alfaisal.edu. The subject line should specify the discipline, area, position and the announcement reference. The deadline for applications is 15th October, 2008. Interviews for leading candidates will be conducted from 15th to 20th December, 2008 in Cambridge, MA, USA.

RESEARCH SCIENTISTS (academics with research focus), **LECTURERS** (academics with instructional focus), **POST-DOCS** (Doctoral degree holders with research focus), **INSTRUCTORS** (Master's degree holders with instructional focus) and **ENGINEERS** (Bachelor's degree holders). Queries and applications should be sent to engnr_academic@alfaisal.edu. The subject line should specify the discipline, area, position and the announcement reference. The deadline for applications is 15th October, 2008.

Alfaisal University | P.O.Box 50927 | Riyadh 11533 | Saudi Arabia
www.alfaisal.edu

HARRY S. TRUMAN RESEARCH FELLOWSHIP National Security Science and Engineering Sandia National Laboratories

Sandia National Laboratories is one of the country's largest research facilities employing 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 Research Fellowship in National Security Science and Engineering**. This initial one-year appointment may be extended, at management's discretion, for two additional one-year appointments. The salary is \$103,700 per year. This position requires a United States Department of Energy Security Clearance, which requires United States Citizenship.

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 a PhD degree (with strong academic standing) 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 areas: advanced computing, information systems, and mathematics; bioscience and technology; combustion, chemical, and earth sciences; engineering sciences; geosciences; intelligent systems and robotics; materials science and technology; microelectronics and microsystems; nano sciences and technology; pulsed power and directed energy; and remote sensing and satellite systems. Candidates must be seeking their first national laboratory appointment, have excellent academic and research qualifications, good communication skills, and enjoy working in a team-oriented, dynamic environment.

For complete instructions, please visit <http://www.sandia.gov/employment/special-prog/truman>. Please submit the complete package to: Roberta Rivera, Sandia National Laboratories, P.O. Box 5800, MS 1497, Albuquerque, New Mexico 87185-1497; e-mail: rjriver@sandia.gov; or fax: 505-845-9802. Please reference **Job Requisition Number 60586**. All materials must be received by **December 5, 2008**.



**Sandia
National
Laboratories**

Equal Opportunity Employer. M/F/D/V.

Positions Available

FACULTY POSITIONS

Advanced Materials Science and
Engineering Center
Western Washington University

The Advanced Materials Science and Engineering Center (AMSEC) of Western Washington University invite applications for two tenure-track faculty positions at the assistant professor level.

- **Position 1:** Polymers/composites; Subdisciplines or related areas include polymer synthesis, conducting and semiconducting polymers, composites, polymer blends, advanced processing techniques, theory/modeling, or related field.
- **Position 2:** Natural and synthetic inorganic materials; Subdisciplines may include inorganic and crystal chemistry, mineral physics, materials and mineral magnetism, or related areas.

Applications from individuals with research interests of an applied nature or with potential for collaborations with industry are welcomed for both positions. A PhD degree in a materials related field is required for both positions. See website <https://jobs.wvu.edu/JobPostingsBrowse.aspx?CatID=85> for full application requirements. These interdisciplinary positions will include appointments in two departments, to be determined based upon the candidate's specialty discipline. AMSEC is a new \$1.2 million research and education center with faculty from Chemistry, Physics, Engineering Technology, and Geology.

The successful candidate is expected to establish a vigorous, externally-funded research program involving undergraduate and graduate students and to teach courses related to their field of expertise. Applicants should submit a cover letter; full CV; statement of research plans; statement of teaching philosophy; and arrange to have three professional references sent to Tina Copsey, MS 9079, Western Washington University, 516 High Street, Bellingham, WA 98225-9079. Review of applications will begin on **October 15, 2008** and the positions are open until filled.

WVU is an equal opportunity employer.



The
University
of Akron

ASSOCIATE DEAN FOR RESEARCH,
COLLEGE OF POLYMER SCIENCE AND
POLYMER ENGINEERING

AND

DIRECTOR, OF THE INSTITUTE OF
POLYMER SCIENCE AND POLYMER
ENGINEERING

The College of Polymer Science and Polymer Engineering at The University of Akron seeks an effective administrative leader to serve as Associate Dean for Research and Director of the Institute of Polymer Science and Polymer Engineering. The successful candidate is expected to assist in growing the College's research activities, and will be responsible for: faculty development with respect to grant proposal writing and funding source identification; industrial and government outreach efforts; marketing the College's research capabilities; and the allocation of financial and facilities resources to enhance the research enterprise. The successful incumbent will also assist the Dean in executing research-related college policies; shape the policies and supervise the operations of the Institute of Polymer Science and Polymer Engineering; and lead faculty members in exploring opportunities for obtaining collaborative and highly competitive research center funding. The position brings unique opportunities for developing research initiatives and for demonstrating forward-looking leadership.

The College seeks an individual with an exemplary record of scholarly and professional accomplishment and grant funding sufficient for hiring at the rank of Professor with tenure. The preference is for a person with an international reputation for research and scholarship in the areas of soft-matter materials science and engineering. The successful candidate is required to hold a PhD degree in Chemistry, Physics, Polymer Engineering, Chemical Engineering, Materials Science and Engineering, or a closely related field; have strong record of competitive US federal research funding; and a minimum of two years of administrative experience as either a department chair at a major research institution, a director of a major federal research center at a University, or as a program/division technical director or comparable position in government/industry.

The University of Akron (www.uakron.edu), positioned to be the premier public research university of northern Ohio, is one of the largest universities in the state with an enrollment of approximately 24,000 students in over 200 undergraduate and graduate majors. Over the past five (5) years, the University has engaged in extensive capital investment to develop and upgrade world-class facilities for academics and student life. The College consists of the graduate-only departments of Polymer Science and Polymer Engineering. Currently the College has 185 full-time graduate students pursuing degrees, and employment rates of its graduates are exceptionally high in locations which span the globe.

All correspondence should be directed to:

Chair of Search Committee
Associate Dean for Research
College of Polymer Science and Polymer Engineering
The University of Akron
Akron, OH 44325-3909

Letters of nomination are actively sought, as are applications. Nominees will be contacted in a timely manner by the Dean of the College, and confidentiality will be maintained upon request. Application materials should include a cover letter, Curriculum Vitae, plans for continued research efforts while performing primarily administrative duties, and a list of five (5) references. References will be contacted only after a thorough review and screening of the candidate pool.

Review of materials received will begin immediately and continue until the position is filled. The position is expected to be filled by **January 1, 2009**.

The University of Akron is committed to a policy of equal employment opportunity and to the principles of affirmative action in accordance with state and federal laws.

Place Your Ad Today!

Contact Mary E. Kaufold at
724-779-8312
or kaufold@mrs.org

Positions Available

FACULTY POSITION Condensed Matter Physics Wake Forest University

The WFU Physics Department (<http://www.wfu.edu/physics>) invites applications for a tenure-track position at the Assistant or early Associate Professor level to begin in August 2009. Candidates from all areas of condensed matter physics (both experimentalists and theorists) are encouraged to apply. Excellence in undergraduate and graduate teaching of physics and establishment of an independent research program with external funding will be expected. Applicants with cutting-edge research interests who can complement and utilize ongoing departmental research efforts and facilities dedicated to basic energy sciences at the interfaces of nanoscience, optical physics, material design, and biophysics are especially encouraged. Wake Forest is a highly ranked, private university with 4400 undergraduate and 2400 graduate and professional school students.

Applications should include a CV, a Philosophy of Teaching Statement, a Research Plan, and the names and contact information of at least three references. Submit applications by mail to Chair, Search Committee, Department of Physics, Wake Forest University, Winston-Salem, NC 27109-7507 or by e-mail (in PDF format) to wfuphysrecruit@lists.wfu.edu. Consideration of applications will begin on **October 15, 2008**, and continue until the position is filled. For more information, see <http://www.wfu.edu/physics/recruiting/index.html>.

An equal opportunity/affirmative action employer

GRADUATE ASSISTANTSHIP POSITIONS Department of Mechanical Engineering Texas Tech University

Applications are invited for immediate openings (starting from Spring, 2009) for graduate study for a PhD degree in materials characterization and processing area. Minimum requirements for an appointment include a MS/BS degree in Materials Science/Engineering or related field. Students will have the opportunity to participate in research projects in nanomaterials processing and characterization utilizing wire-explosion system, TEM, SEM, etc. Apply with CV to Dr. Jharna Chaudhuri at jharna.chaudhuri@ttu.edu.

AA/EOE

Imperial College
London



King Abdullah University of Science and Technology (KAUST)

Faculty Openings in Materials

King Abdullah University of Science and Technology (KAUST) is being established in Saudi Arabia as an international graduate-level research university dedicated to inspiring a new age of scientific achievement that will benefit the region and the world. As an independent and merit-based institution and one of the best endowed universities in the world, KAUST intends to become a major new contributor to the global network of collaborative research. It will enable researchers from around the globe to work together to solve challenging scientific and technological problems. The admission of students, the appointment, promotion and retention of faculty and staff, and all the educational, administrative and other activities of the university shall be conducted on the basis of equality, without regard to race, colour, religion or gender.

KAUST is located on the Red Sea at Thuwal (80 km north of Jeddah). Opening in September 2009, KAUST welcomes exceptional researchers, faculty and students from around the world. To be competitive, KAUST will offer very attractive base salaries and a wide range of benefits. Further information about KAUST can be found at <http://www.kaust.edu.sa/>.

KAUST invites applications for faculty positions at all ranks (Assistant, Associate or Full Professor) in Materials Science and Engineering including, but by no means limited to, areas such as:

- Carbon Capture
- Hydrogen Rich Fuels
- Materials for High Stress Environments
- Structural Ceramics, including Fuel Cell Materials
- Functional Thin Films
- Glasses
- Materials for Clean Power Generation
- Metals
- Modelling
- Nanotechnology
- Biomaterials

High priority will be given to the overall originality and promise of the candidate's work rather than the candidate's sub-area of specialisation within Materials Science and Engineering. Nevertheless, KAUST is particularly interested in applicants whose research has applications in the fields of composite materials and membranes.

An earned PhD or equivalent in Materials Science or a related science or engineering discipline, evidence of the ability to pursue a programme of research, and a strong commitment to graduate teaching are required. A successful candidate will be expected to teach courses at the graduate level and to build and lead a team of graduate students in Master's and PhD research.

Applications, including a curriculum vitae, brief statements of research and teaching interests, and the names and contact details of at least 3 referees, should be sent to the Search Committee by electronic mail to kaust.materials@imperial.ac.uk. Please note that the Search Committee may also appoint additional referees at its discretion. The review of applications will begin immediately, and applicants are strongly encouraged to submit applications as soon as possible; however, applications will continue to be accepted until December 2009, or until all 10 available positions have been filled.

In 2008 and 2009, as part of an Academic Excellence Alliance agreement between KAUST and Imperial College London, the KAUST faculty search will be conducted by a committee consisting of Professors from the Faculty of Engineering at Imperial College London. This committee will select the top applicants and nominate them for faculty positions at KAUST. However, KAUST will be responsible for actual recruiting decisions, appointment offers, and explanations of employment benefits. The recruited Faculty will be employed by KAUST, not by Imperial. Faculty members recruited by KAUST before September 2009 will be hosted in the Department of Materials at Imperial College London as Academic Visitors until KAUST opens in September 2009. At Imperial, these Academic Visitors will conduct research with Imperial staff and may occasionally teach courses.

Enquiries and applications to: kaust.materials@imperial.ac.uk

Valuing diversity and committed to equal opportunities