Positions Available

KIT – The cooperation of Forschungszentrum Karlsruhe GmbH and Universität Karlsruhe (TH)

Karlsruhe Institute of Technology

Universität Karlsruhe (TH)
Research University • founded 1825

Forschungszentrum Karlsruhe
in der Helmholtz-Gemeinschaft

The Universität Karlsruhe (TH) and the Forschungszentrum Karlsruhe are currently merging into the **Karlsruhe Institute of Technology, KIT,** prosecuting research, education and innovation in a strategic manner.

KIT carries out both the mission of the University and that of the Forschungszentrum, one of the largest research centres of the Helmholtz Association of German Research Centres with research programmes in the fields of Energy and Atmosphere, Nano- and Microsystems and Structure of Matter. Under the roof of KIT the Institutes of Material Science of the University and of the Forschungszentrum Karlsruhe will merge into one Institute for Applied Materials, IAM.

KIT invites applications for the joint position of

Professor (W3) for Materials Science

at the Faculty of Mechanical Engineering
at the Universität Karlsruhe (TH)

and

Head of the Institute for Materials Research, IMF I

at the Forschungszentrum Karlsruhe.

The future research activities of IMF I will focus on the „Development of High Performance Materials" under high thermal and/or mechanical load. The materials development is oriented towards the requirements of the research programmes the institute is contributing to and may include thermodynamic modelling and multiscale simulation of properties of materials. Moreover, a strong link between materials development and production engineering is strived for.

Candidates are expected to have an internationally recognised scientific standing in the field of materials research and development and the ability to lead a programme oriented institute. The willingness to foster interdisciplinary collaboration within the IAM and with other Institutes, Key Areas and Centres of KIT is expected. Strong participation in the programmes of the Helmholtz Association is required as well as the readiness to acquire third-party funds from public and private investors.

The candidates should have outstanding didactic abilities to further develop the student teaching programme in collaboration with the Faculty staff. A "Habilitation" or equivalent scientific experience is expected.

We are an equal opportunity employer, but as we wish to increase the proportion of females in higher management we especially encourage qualified women to apply for this position. If applicants are equivalently qualified, handicapped candidates will be selected preferentially.

Applications together with the standard documentation (CV, references, diplomas, employment certificates, publication list including selected reprints as well as information on the candidate's previous experience in research and teaching) should be addressed to:

Prof. Dr. Reinhard Maschuw, Member of the Executive Board
Forschungszentrum Karlsruhe
P. O. Box 3640, 76021 Karlsruhe, Germany

Closing date for applications is **May 25, 2008.**

Please provide your application also in electronic form (e-mail: reinhard.maschuw@vorstand.fzk.de and dekan@mach.uni-karlsruhe.de).

www.kit.edu www.uni-karlsruhe.de www.fzk.de www.fzk.de/imf

OKLAHOMA STATE UNIVERSITY

FACULTY POSITION
Mechanical and Aerospace Engineering
Oklahoma State University

A tenure-track faculty position at the level of Assistant Professor or Associate Professor is available beginning August 2008, January 2009, or later, starting date negotiable. OSU has a strong commitment to grow both the quantity and quality of our engineering research programs. With 26 faculty lines and 140 graduate students, mechanical and aerospace engineering annual research expenditures will soon exceed $200K per tenure-track faculty member.

Applicants should have teaching and research interests in the general area of materials science and engineering, with a plan for development of a research program in an emerging or rapidly developing area. Excellent experimental skills are required, together with good analytical and computational skills. It is expected that the successful candidate will have the desire and ability to teach courses at the undergraduate level, in materials, materials-related, and mechanics courses, and courses at the graduate level commensurate with his/her research interests. An earned PhD degree is required, with a preference for materials science and engineering, mechanical engineering, or aerospace engineering.

Successful candidates must have demonstrated potential for excellent teaching at undergraduate and graduate levels, and for developing a strong externally funded research program in areas where there are excellent possibilities for competitive extramural funding. Good communication skills, both oral and written, as judged by faculty and students, are essential. Applications accepted until the position is filled.

Send letter of application, statement on teaching interests and philosophy, statement on plan for research and securing extramural funding for at least two projects, curriculum vitae, and list of five references to: Dr. Ranga Komanduri, Faculty Search Committee Chair, School of Mechanical and Aerospace Engineering, 218 Engineering North, Oklahoma State University, Stillwater, OK 74078-0545.

OSU is an equal opportunity/affirmative action employer.
Women and minority applicants are strongly encouraged.

ELECTRON MICROSCOPY SCIENTIST
Centralized Research Facility
Drexel University

The Drexel University College of Engineering is seeking a full-time electron microscopy scientist with expertise in high-resolution transmission electron and scanning electron microscopy, and related analytical techniques for its newly reorganized Centralized Research Facility (CRF). The University has recently made significant infrastructure investments in this user facility, including new high-resolution TEM/STEM/EDS, two field emission SEMs, TEM specimen preparation equipment, and the CRF will soon acquire a dual-beam FIB-SEM. The CRF serves Drexel University student and faculty researchers, and regional academic and industrial users alike in providing a range of value-added core materials characterization and device fabrication capabilities.

The most highly qualified candidates will have a PhD degree or equivalent in chemistry, materials science, or a related field, and possess 5+ years experience with high resolution imaging and structural analysis techniques for various material types. Candidates with research experience in a multi-user facility are especially encouraged to apply. Please visit www.drexeljobs.com for full information on the position. Please send a cover letter, along with a CV and contact information for three references, via email to Dr. Zhorro Nikolov at znikolov@drexel.edu.

EO/AAE

https://doi.org/10.1557/mrs2008.112 Published online by Cambridge University Press

Positions Available

TENURE-TRACK FACULTY POSITION
Department of Materials Science and Engineering
Seoul National University

The Department of Materials Science and Engineering (http://mse.snu.ac.kr) at Seoul National University (http://www.snu.ac.kr) invites well-qualified candidates for a tenure-track position at the Assistant, Associate or Full Professor level in the Department's strategic research area of structural metallic materials.

Applicants must have a doctoral degree and an outstanding record of accomplishments in materials research. The successful candidates must be able to teach undergraduate level courses in the areas of structural metallic materials, and should have a strong interest in developing new and innovative graduate courses in related areas. It is important for the applicant to demonstrate motivation and an ability to develop research programs in collaboration with other faculty members, to generate significant research funding, and to serve the academic/research community.

Candidates should send a resume with a recent photograph, three letters of reference, a statement of research and teaching goals, three representative papers, and other supporting materials. Evaluations of applications will begin on April 18, 2008.

All materials should be sent to:

Professor Kwang Seon Shin, Chair
Faculty Search Committee
Department of Materials Science and Engineering
College of Engineering
Seoul National University
Seoul 151-744, Korea
Electronic submission: ksshin@snu.ac.kr

Sandia National Laboratories

RESEARCH SCIENTIST
Hydrogen and Helium in Materials
Sandia National Laboratories

The Hydrogen and Metallurgical Science Department at Sandia National Laboratories in Livermore, California, seeks a research scientist to work on the physics of hydrogen and helium interactions with materials. The scientist will help develop and test models of helium bubble evolution and material aging effects in tritium-exposed materials. The scientist will also direct and conduct experiments aimed at model testing and acquiring pertinent model parameters. These models will be extended to fusion plasma—material and other environments where insoluble gases are injected into materials. Other work includes investigating hydrogen transport and isotope exchange in metals and metal hydrides.

REQUIRED: PhD degree in experimental physics, materials physics, metallurgical engineering, nuclear engineering, or materials science. Must be able to perform state-of-the-art research, collaborate with other researchers, and author scientific journal articles.

DESIRED: Experience with metal hydrides, hydrogen-material interactions, nuclear magnetic resonance, material characterization, small accelerators, ultrahigh vacuum, and cryogenic techniques.

BENEFITS: Medical, dental, vision, 401(k) w/company match, pension plan, three weeks vacation, flexible work schedules w/alternate Fridays off, fitness facilities.

See full job description and apply ONLINE at http://public.ca.sandia.gov/casite/careers, job #59927. Include your resume, list of publications, at least three references, and brief description of your research interests. U.S. citizenship is required to obtain a U.S. Department of Energy security clearance.

EO/AAE

INL INTERNATIONAL IBERIAN NANOTECHNOLOGY LABORATORY

POST-DOCTORAL POSITIONS

INL is a joint Spanish-Portuguese research centre, located in Braga, Portugal that is starting its activities in the field of nanoscience and nanotechnology.

Seven (7) post-doctoral positions are available at INL. During the initial phase, in which the Laboratory builds-up its scientific infrastructure, there is opportunity for young scientists to participate in research projects on thematically relevant areas in other international institutions.

Post-doctoral activities will be carried out during two years in associated American and European Laboratories. After this period, the post-docs will complete their research at INL in Braga for two years (mandatory).

Profile:
- Successful candidates will have finished their PhDs in a relevant field.
- He/she should be a hard working, motivated scientist with a substantial curriculum and a strong commitment to working as part of a team
- Excellent communication skills are required; fluency in English is mandatory

REFERENCE: PD-NE-MPGE-JT-0801 (2 Positions)
- Development and biological applications of nanoparticle probes
- Super-resolution microscopy based on multi-parametric nanoparticles

HOST INSTITUTION/ SUPERVISOR
- Laboratory of Cellular Dynamics, Max Planck Institute, Göttingen, Germany
- Supervisor: Thomas M. Jovin

REFERENCE: PD-NM-BNLUS-OG-0801 (2 Positions)
- Assemblies of engineered nano-objects and organic/biological molecules for energy conversion and biosensors.
- Clusters of inorganic nanoparticles with bimolecular linkers

HOST INSTITUTION/ SUPERVISOR LOCATION
- Center for Functional Nanomaterials,Brookhaven National Laboratory, USA Soft and Bio-nanomaterials Group
- Supervisor: Oleg Gang

REFERENCE : PD-NE-MNMUS-YM-0801 (1 Position)
- Study of nanoparticles using aberration corrected TEM and STEM with the aim of obtaining atomic resolved images

HOST INSTITUTION/ SUPERVISOR
- The Microscopy of Nanostructured Materials group at the University of Texas, Austin, USA
- Supervisor: Miguel José Yacamán

REFERENCE: PD-NM-MICUK-MK-0801 (1 Position)
- Carbon nanotubes integrated in microfluidic channels for chemical analysis

HOST INSTITUTION/ SUPERVISOR
- Department of Micro and Nanotechnology, Nano DTU, Technical University of Denmark.
- Supervisor: Klaus B. Mogensen (in collaboration with Peter Bøggild, and Cambridge University

REFERENCE: PD-NF-INCDE-0D-0801 (1 Position)
- Establishment of low-field NMR for food quality control

HOST INSTITUTION/ SUPERVISOR
- Interdisciplinary Nanoscience Center (iNANO), Aarhus University, Denmark
- Supervisors: Niels Chr. Nielsen and Daniel Otzen

How to Apply

- Send a cover letter, curriculum vitae and two recommendation letters.
- The closing date for applications May 31, 2008 at 00:00 h (UTC +0). All the applications received after the closing date will not be admitted.
- Applications for these posts should preferably be made online at the INL Recruitment Center Web Site **www.iinlrecruitment.com**

https://doi.org/10.1557/mrs2008.112 Published online by Cambridge University Press

Positions Available

POSTDOCTORAL RESEARCH FELLOW
Microstructure of Irradiated Alloys
University of Michigan

A postdoctoral research fellow position is available beginning in April 2008 in the area of irradiated material microstructures and microchemistry with Professor Gary S. Was in the Nuclear Engineering and Radiological Sciences Department at the University of Michigan. The successful candidate will work on projects involving microstructural and microchemical characterization of ion-irradiated alloys (ferritic-martensitic steels, ODS alloys, advanced austenitic alloys) and also on accelerator-based creep of both metallic and nonmetallic materials. Candidates should have a background in electron microscopy and mechanical properties of materials and should be familiar with radiation damage processes in metals.

Please send CV and the names of three references to:

Prof. Gary S. Was
Department of Nuclear Engineering and Radiological Sciences
University of Michigan; 1921 Cooley Building
Ann Arbor, MI 48109-2104
Phone: 734-763-4675; Fax: 734-763-4540
E-mail: gsw@umich.edu

The University of Michigan is a non-discriminatory, affirmative action employer.

PROGRAM DIRECTOR
Division of Materials Research
Directorate for Mathematical and Physical Sciences
National Science Foundation

The National Science Foundation is seeking qualified candidates for the position of Program Director for the Office of Special Programs within the Division of Materials Research (DMR), Directorate for Mathematical and Physical Sciences (MPS), Arlington, VA.

Applicants must possess a PhD degree or equivalent experience in condensed matter and materials physics or a closely related field. In addition, six or more years of successful research, research administration, and/or managerial experience pertinent to the program are required.

Within the Division (DMR), the Condensed Matter Physics (CMP) Program supports fundamental, experimental, and combined experiment and theory projects with the goal of understanding the physics behind phenomena exhibited by condensed matter systems consisting of solid, liquid, or amorphous materials. Further information about the CMP program can be found on the DMR website at http://www.nsf.gov/materials. Appointees are expected to work with the condensed matter and materials physics community to broaden the diversity of participants in NSF programs, and to integrate research and education in the field.

Appointments to this position may be on a one- or two-year Visiting Scientist appointment or a Federal Temporary appointment, with a salary range of $98,033 to $152,775. Applicants for this position should review announcement E20080093-Rotator (Visiting Scientist, IPA, or Federal Temporary) found under the Scientific and Professional section on the NSF Career Opportunities page at http://www.nsf.gov/about/career_opps/ by **May 25, 2008**.

NSF is an Equal Opportunity Employer

DIRECTOR
Advanced Materials Processing and Analysis Center and NanoScience Technology Center
University of Central Florida

The University of Central Florida, with over 48,000 students, is searching for a Director of its Advanced Materials Processing and Analysis Center (AMPAC) and NanoScience Technology Center (NSTC). The successful candidate is expected to lead both centers and develop plans for the merger of the two centers with a recurring annual budget approaching $5 million. The candidate must have a PhD degree in an appropriate discipline from an accredited institution and must be eligible for appointment with tenure at the full professor rank. NSTC has grown to 14 faculty with over 75 PhD students and staff in less than three years. It has 20,000 sq ft of state-of-the-art laboratory space with approximately $8M in external funding to date. AMPAC, with 19 MS and 53 PhD students, currently has nine tenured/tenure-earning faculty, 17 affiliated faculty, and five full-time staff who support two major multi-user facilities: the 7,000 sq ft Materials Characterization Facility (MCF) and the 2,600 sq ft class 100/1000 clean room Advanced Microfabrication Facility (AMF).

For more information, access http://www.creol.ucf.edu/TheCollege/Positions/AmpacDirector.aspx. (Also visit http://www.ampac.ucf.edu/ and http://www.nanoscience.ucf.edu/.) Review of candidates will begin on March 31, 2008, and continue until the position is filled.

UCF is an EO/AA employer

FACULTY POSITION
Department of Advanced Science and Technology
Toyota Technological Institute

Toyota Technological Institute has an opening for a faculty position for either a tenured professor or a tenure-track professor in the Department of Advanced Science and Technology.

Research Field: Photonics materials and their device-applications

Qualifications: The successful candidate should have a record of outstanding research achievements and the potential to develop research programs in the above research field. Also, one should be able to supervise doctoral students, and to teach advanced and basic courses on advanced science and technology for graduate and undergraduate students.

Starting Date: At the earliest convenient time

Documents Required: 1) a complete curriculum vitae; 2) a list of publications; 3) copies of five major papers; 4) brief description of research activities and future plan for research and education (3 pages); and 5) names of two references with phone/facsimile numbers and E-mail address.

Deadline: Friday, August 29, 2008

Inquiry: Please direct all inquiries to the Chair of Selection Committee, Professor Takao Suzuki, by phone at +81-52-809-1870 or by e-mail at takaosuzuki2@toyota-ti.ac.jp. The above documents should be sent to:

Mr. Takashi Hirato, Manager, Administration Division
Toyota Technological Institute; 2-12-1, Hisakata, Tempaku-ku
Nagoya, 468-8511 Japan

(Please be advised to write **"Application for Photonics"** in red on an envelope.)

Toyota Technological Institute is an equal opportunity educational institute and equal opportunity employer.

https://doi.org/10.1557/mrs2008.112 Published online by Cambridge University Press

Positions Available

Los Alamos
NATIONAL LABORATORY

POSTDOCTORAL POSITION
Los Alamos National Laboratory

Postdoctoral position for either Organometallic (OC) or Physical Chemist (PC) is available at the C-PCS group at Los Alamos National Laboratory. We are seeking a postdoctoral candidate to support our effort in the development of a new type of photovoltaic (PV) device utilizing nanocrystaline materials. The postdoctoral researcher will work within a multidisciplinary team at Los Alamos and collaborate with a major industrial partner.

The candidate for the OC position should have a background in one or more of the following areas: organometallic/organic synthesis, redox-catalysis, surface chemistry, or semiconductor nanocrystal synthesis. The candidate for the PC position should have a background in one or more of the following areas: ultrafast spectroscopy, spectroscopic and/or electrochemical characterization of semiconductor nanocrystals, characterization of dye sensitized metal-oxide solar cells, or the fabrication of devices.

A PhD degree in chemistry or related field completed within last five years or soon to be completed is required. For further technical information, please contact Milan Sykora at sykoram@lanl.gov or 505-665-9379. Access www.lanl.gov/jobs to apply.

AA/EOE

At the Johannes Kepler University of Linz (Austria),

a Full Professorship in "Chemical Technology of Inorganic Materials"
(succeeding Prof. Dr. G. Gritzner)

is open for applications. The successful candidate is supposed to represent the field comprehensively in both research and teaching. The willingness to collaborate with other domestic and international research institutions, (local) industry as well as activities to raise external funding are expected. Experience in industrial companies is desirable. For further information, please contact http://www.jku.at/professuren. Applications must be received by May 18, 2008 to the rector of the Johannes Kepler University of Linz (bewerbung@jku.at).

Rector Prof. Dr. Richard Hagelauer
Johannes Kepler University
A – 4040 Linz, Austria

RESEARCH SCIENTIST
Focused Ion Bean
Binghamton University

The Small Scale Systems Integration and Packaging Center (S3IP) at Binghamton University seeks applications for the position of Research Scientist in the Analytical and Diagnostics Laboratory (ADL) to provide expertise in the application of the Dual Focused Ion Beam (FIB) tool. This state-of-the-art FIB, a FEI Nova 600 Nanolab equipped with EDS and EBSD, will be used in studies of physical failure analysis of electronic/MEMS/photonic packages, semiconductor devices, and other research areas. Specific responsibilities include training new users and providing expert operator services. The full position description can be found at http://research.binghamton.edu/documents/ResearchScientistMarch2008.pdf.

Applicants should submit a resume and a letter of application including a discussion of experiences and accomplishments relevant to the position. A list of three professional references with contact information must be included. Applications accepted until position is filled. Send applications or enquiries to Cathy Krajnyak via email at krajnyak@binghamton.edu.

The Research Foundation is an Equal Opportunity/Affirmative Action Employer.

STERNE KESSLER GOLDSTEIN FOX 30 YEARS EST. 1978
THIRTY YEARS PROTECTING INNOVATION

BIOTECH AND CHEMICAL IP ATTORNEYS
Sterne, Kessler, Goldstein & Fox P.L.L.C.

Sterne, Kessler, Goldstein & Fox P.L.L.C. has immediate opportunities for Chemical and Biotech patent attorneys. Successful candidates must possess a Bachelor's degree in Chemistry, Biology, or the related engineering fields. An advanced degree in the above listed fields is preferred.

We are looking for motivated candidates with excellent credentials and at least two years of experience. Experience in the Nanotech or Materials areas is a plus.

Position offers the chance for major responsibilities. Candidates who seek to break out of a team and have the opportunity for leadership are encouraged to apply. Position entails direct client contact and all phases of patent practice. This will include preparation, prosecution, licensing, client counseling, and litigation. Competitive salary commensurate with experience and excellent benefits package are offered.

Please use **Reference Number SKGFBMRS31708** when applying for this position. Visit our website at www.skgf.com or contact Tacie Steidel, Recruitment Coordinator, Sterne, Kessler, Goldstein & Fox P.L.L.C., by e-mail at legalcareers@skgf.com or 202-371-2600.

FACULTY POSITION
Nonwovens
North Carolina State University

Assistant or Associate Professor level; starting date negotiable; accomplished in research/industry; record of teaching; research interests must be applicable to nonwovens; go to http://www.tx.ncsu.edu/departments/tecs.

NC State University is an EO/AA employer.

https://doi.org/10.1557/mrs2008.112 Published online by Cambridge University Press

Positions Available

AUBURN UNIVERSITY

TENURE-TRACK FACULTY POSITION
Department of Mechanical (Materials) Engineering
Auburn University

Auburn University's Materials Research and Education Center is seeking a tenure-track faculty member. The successful candidate will be qualified to teach undergraduate and graduate courses in Materials Engineering and will be expected to develop an independently funded research program. Preferred research areas include, but are not limited to, application of nano- and bio-materials in engineering systems, materials for energy harvesting and conservation, as well as materials for electronics and sensors. Outstanding candidates with research specializations in other materials areas will also be considered. Candidates are being sought to fill a vacancy by the Fall 2008 semester. Candidates will be considered at all levels (up to full professor for an outstanding candidate). The salary level for the position will be highly competitive.

Applicants must have a background, including a PhD degree, in materials science/engineering or a related discipline with documented expertise in the specializations listed above and currently authorized to work in the United States.

Auburn University was chartered in 1856 and is the largest university in the state of Alabama with a student enrollment of more than 24,000 and over 1,130 faculty members. U.S. News and World Report ranks Auburn 38th overall and 34th in Engineering among public universities. Auburn offers nearly 150 baccalaureate degree programs in 64 academic departments. The graduate school provides masters level programs in 130 areas and doctoral programs in 96 fields.

The Materials Research and Education Center falls administratively under the Mechanical Engineering Department in the Samuel Ginn College of Engineering and offers degree programs in Materials Engineering. The College of Engineering has an enrollment of 3,000 undergraduate and 500 graduate students in eight departments.

The picturesque main campus covers 1,875 acres and includes the entire southwest quadrant of the city of Auburn. The Auburn/Opelika community has an additional population of approximately 70,000, an excellent public school system and has been nationally recognized as one of the "best small towns in America."

For additional information, please use the following links for information about:

- Auburn University (www.auburn.edu)
- Materials Research and Education Center (www.eng.auburn.edu/matl)
- Surrounding community (Auburn/Opelika Convention and Visitors Bureau & Auburn Chamber of Commerce)

Application Guidelines

Applicants should send a detailed curriculum vita; names, e-mail addresses, and telephone numbers of at least three references; and a summary of teaching/research plans to Dr. A. Simonian, Search Committee Chair, and addressed as follows:

Faculty Search, c/o Elizabeth Hartwick
270 Ross Hall, Mechanical Engineering, Auburn University, AL 36849
E-mail: hartwee@auburn.edu.

Microsoft Word and Adobe PDF files are preferred. Review of applications began on March 28, 2008, and will continue until the position is filled.

Auburn University is an Affirmative Action and Equal Opportunity Employer. Minorities and female applicants are encouraged to apply.

ASSISTANT PROFESSOR
Materials Science and Engineering
School of Engineering
University of California, Merced

Applications are invited for a tenure-track faculty position at the University of California's newest campus. Individuals with research interests in the development of industrial-scale nanomaterials synthesis, processing, or device fabrication methods are particularly encouraged to apply. Areas of interest also include nanostructured materials, biomaterials, and energy materials. To apply or for more information, please visit our website at http://jobs.ucmerced.edu/n/academic/position.jsf?positionId=1558.

AA/EOE

POSTDOCTORAL RESEARCH ASSOCIATE
Institute for Shock Physics' Applied Sciences Laboratory
Washington State University

The Institute for Shock Physics' (ISP) Applied Sciences Laboratory (ASL) at Washington State University in Spokane, Washington has an immediate opening for a postdoctoral research associate to fabricate polymer-metal-organic semiconductor nanocomposites (for infrared photo-detectors) and polymer-metal-inorganic nanocomposites (for scintillators) and study their properties. For more information and application procedures, please visit www.asl.wsu.edu/site/careers.html.

EEO/AA/ADA

POSTDOCTORAL POSITION
Peter A. Rock
Thermochemistry Laboratory
University of California, Davis

Postdoctoral opening(s) are available in the Peter A. Rock Thermochemistry Laboratory at UC Davis. Several opportunities exist to apply calorimetric and structural studies to minerals and ceramics. In addition to normal one- to two-year postdoctoral positions, we are looking for a longer term appointment of a person with a strong crystallographic background to both pursue research and to manage the powder X-ray diffraction facility (a new Bruker system and a modernized Inel) for our research group. Send inquiries with a CV to Prof. Alexandra Navrotsky at anavrotsky@ucdavis.edu.

EO/AAE

https://doi.org/10.1557/mrs2008.112 Published online by Cambridge University Press

Positions Available

POSTDOCTORAL RESEARCH ASSOCIATES
Epitaxial Complex Oxide Heterostructures
Materials Science and Technology Division
Physical Sciences Directorate

Oak Ridge National Laboratory
Oak Ridge, Tennessee

ORNL08-64-MSTD

Project Description: A postdoctoral research position in the area of complex-oxide thin films, heterostructures, and interfaces is available in the Materials Science and Technology Division of Oak Ridge National Laboratory. The successful candidate is expected to participate in a collaborative research effort studying the effects of interfaces, epitaxial strain, and spatial confinement on the physical properties of complex oxides, including ferroelectrics, magnetic oxides, and multiferroics. This position offers an opportunity to explore new aspects in these materials, and may additionally include the study of optical properties, superconductivity, surface effects, or ionic conductivity, depending on the expertise of the applicant. A close interaction with internal and external collaborators is expected, including the use of available facilities at the Center for Nanophase Materials Sciences and the Spallation Neutron Source.

Qualifications: PhD degree (within the last four years) in physics, materials science, or chemistry. Experience in epitaxial film growth, AFM, and 4-circle x-ray characterization is required. The ideal candidate will have hands-on experience with SQUID, PPMS, and ferroelectric characterization. Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

How to Apply: Qualified applicants may apply online at https://www2.orau.gov/ORNL_POST/. All applicants will need to register before they can begin the online application. For complete instructions on how to apply, please see the instructions at http://www.orau.gov/orise/edu/ornl/ornl-pdpm/application.htm. When applying for this position, please reference the position title and number.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The program is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.

Additional Information:
- Technical Questions: Hans M. Christen (christenhm@ornl.gov); http://www.tnmp.ornl.gov/personnel/christen/christen.shtml
- CNMS: http://www.cnms.ornl.gov
- SNS: http://neutrons.ornl.gov

ORISE
OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

POSTDOCTORAL POSITION
Photovoltaic Device Development
Purdue University

Applications are invited for a postdoctoral position to work on the development of high efficiency 3rd generation solar cells based on novel nanostructured materials. The successful applicant will have a PhD degree in electrical engineering, materials science, or physics and should be motivated, independent, and creative. Prior experience with photovoltaics, light emitting diodes, or other optoelectronic devices is sought, but not required. To apply, please send a current CV that includes a list of your publications and the contact information for three references. Also, please indicate the earliest date you would be available. This information should be sent by email to Prof. Hugh W. Hillhouse at hugh@ecn.purdue.edu.

Purdue University is an equal opportunity employer.

NASA

NASA POSTDOCTORAL FELLOWSHIPS

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly talented national and international scientists and engineers to engage in ongoing NASA research in space science, earth science, aeronautics, space operations, exploration systems, and astrobiology.

- Approximately 50 Fellowships awarded annually
- One-year appointments, renewable up to three years
- Annual stipends start at $50,000, with supplements for specific degree fields and high cost-of-living areas
- Annual travel budget of $8,000
- Financial assistance for relocation
- Financial supplement for health insurance purchased through the program
- Apply at http://nasa.orau.org/postdoc

Application Deadlines: March 1, July 1, and November 1

To obtain more information and to apply for this exciting opportunity, please visit the NPP Web site at http: //nasa.orau.org/postdoc.

ORAU
OAK RIDGE ASSOCIATED UNIVERSITIES

Meeting Scene...

- E-MRS 2008 Spring Meeting • *Strasbourg, France, May 26-30*
- MRS International Materials Research Conference • *Chongqing, China, June 9-12*
- MRS-Australia/ICEM • *Sydney, Australia, July 28-August 1*

Don't miss a minute of the action! *Register today at **www.mrs.org/alerts** and let MRS bring the world of materials to your Inbox!*

https://doi.org/10.1557/mrs2008.112 Published online by Cambridge University Press