

Positions Available



FACULTY POSITION
Department of Materials
Science & Engineering
University of California, Berkeley

The University of California at Berkeley invites applications for a faculty position in the general area of materials for bulk energy sources. Although appointment at a senior level is preferred, exceptional junior candidates will be considered. Depending upon experience, the successful candidate will be offered a tenured or non-tenured ladder-rank faculty position within the Department of Materials Science & Engineering. Applicants must have a strong commitment to teaching and working with a diverse population of students, and must show potential for high quality research in the area of materials for energy sources such as batteries, fuel cells, and photovoltaics, both theory and experiment. A doctoral degree in Materials Science and Engineering or an equivalent field is required. The position is effective July 1, 2008.

All qualified candidates are invited to apply, and applications from minority and women candidates are especially encouraged. Please send a curriculum vitae, bibliography, statement of research interests, and a list of references, as a hard copy, postmarked by **March 31, 2008**, to:

Professor Robert O. Ritchie, Chair
 Department of Materials Science & Engineering
 210 Hearst Memorial Mining Building, MC 1760
 Berkeley, California 94720-1760, USA

No e-mail applications will be considered; neither will applications submitted after the deadline.

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

RESEARCH SCIENTIST
Department of Materials Science & Engineering
Lehigh University

The successful candidate for this position will have the opportunity to participate with students and faculty on research projects and provide instruction to students in laboratory classes dealing with process-structure-property relations in materials. The position also entails management of the undergraduate and graduate laboratories (in particular the light optical microscopy laboratory) and proactive maintenance of a state-of-the-art light optical microscopy facility. Other responsibilities are: guidance and training of students in laboratory techniques, including metallographic sample preparation; overseeing laboratory safety; coordination of field trips; organization of laboratory tours; development of demonstrations for undergraduate MSE courses; assisting the placement of students in internship positions; and supervision of work-study students.

Applicants should possess a degree in Materials Science and Engineering (BS, MS, or PhD level) or related field and preferably have experience in undergraduate instruction and metallographic sample preparation for both light optical and electron microscopy techniques. The successful candidate must demonstrate a strong desire to mentor students and contribute new concepts and approaches in metallography for research purposes.

Applicants should submit a complete resume and three references by **March 31, 2008** to Deanne Hoenscheid, Lehigh University, 5 E. Packer Avenue, Bethlehem, PA 18015-3195. Lehigh University provides comprehensive benefits including partner benefits.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status.



RESEARCH SCIENTIST POSITIONS
Institute of High Performance Computing ~ Singapore

The Institute of High Performance Computing (IHPC), a member of the Agency for Science, Technology and Research (A*STAR) in Singapore, invites applications for a number of

available positions for research scientists in the field of theoretical and computational mechanics and materials science. These positions are in conjunction with the A*STAR-sponsored Visiting Investigatorship Program (VIP) led by Prof. Huajian Gao from Brown University who is the Principle Investigator.

Successful candidates will be members of frontier projects on the studies of thin films, nanocrystalline materials, self-assembly of nanoscale materials, and hierarchical and multifunctional materials. They will also have the opportunity to work at Brown University as visiting scholars for one year according to the research needs.

Specific qualifications are: 1) a PhD or equivalent degree in Mechanics, Materials Science, Physics, or a related discipline; 2) demonstrated ability to conduct scholarly research, as evidenced by a thesis or publications in top-tier international journals; and 3) the ability to make clear and effective oral and written presentations of scientific and technical information. Candidates with expertise in theoretical work, and modeling and computation of mechanical behaviors and properties of materials, are specifically encouraged to apply.

IHPC provides an intellectually stimulating environment with key research projects in the domain of computational science and engineering (CSE), for modeling, simulation, and visualization of complex scientific and engineering problems across a wide span of industries, including chemical, manufacturing, electronics, and precision engineering. For more information about IHPC, please visit our website at www.ihpc.a-star.edu.sg.

Our remuneration is globally competitive, with benefits such as comprehensive medical insurance, vacation leave, dental, and flexible benefits packages. An application should include the following items:

- A complete professional CV, including educational background, experience, and a list of publications.
- Names, complete mailing addresses, telephone numbers, and e-mail addresses of three individuals who could provide letters of reference, if requested. Unsolicited letters of reference should not be sent.
- Reprints of published papers (or manuscripts).
- A brief statement of research interests (no more than one page).

Please email or fax your applications to the contact address provided below.

HR Department; c/o Dr. Chun Lu and Prof. Huajian Gao; Institute of High Performance Computing
 1 Science Park Road, #01-01 The Capricorn; Singapore Science Park II, Singapore 117528
 Email: recruitment@ihpc.a-star.edu.sg; luchun@ihpc.a-star.edu.sg; huajian_gao@brown.edu; Fax: 65-67760972



Positions Available



ASSISTANT PROFESSOR
Department of Physics and Astronomy
Appalachian State University

The Department of Physics and Astronomy at Appalachian State University, <http://www.physics.appstate.edu>, invites applications for a tenure-track position at the Assistant Professor level to begin August, 2008. A successful candidate will have an exemplary background in the general field of nano-scale materials characterization and nanoscience. This position will require a dynamic individual who is highly motivated and can manage pedagogical responsibilities focused on materials physics and nanoscience. This faculty member will provide an enriching environment for undergraduate and graduate student research; begin to identify methods and programs for integration of campus-wide resources to advance energy and environmental nanoscience research; and help establish a new interdisciplinary BS degree in Materials Science and Technology at ASU.

Candidates must have a strong commitment to excellence in undergraduate education and are expected to develop an experimental research program that, in addition to involving undergraduate and MS students, can attract and maintain external funding. Preference will be given to candidates who have industrial work experience or postdoctoral research experience in the field of nanoscience. We are particularly interested in candidates with experience in the development of photovoltaic materials as well as strong teaching portfolios that include nanotechnology and/or materials science course creation and implementation. The department houses staffed machine and electronics shops; several different types of scanning-probe, electron, and ion microscopes; an ion storage facility; an applied electrostatics lab; optical observatories; a laser optics laboratory; and vacuum deposition systems. Some start-up funds and postdoctoral assistance will be available to the successful candidate.

Complete applications must be submitted in hardcopy and include a letter of application, curriculum vitae, evidence of excellence in teaching, a statement of teaching philosophy, a research plan, and three references who will send letters of recommendation. Applications should be sent to the Tenure-Track Search Committee, Department of Physics and Astronomy, 525 Rivers Street, Appalachian State University, Boone, NC 28608. Applications must be received by **March 31, 2008**.

Appalachian State University is an Affirmative Action/Equal Opportunity Employer.



POSTDOCTORAL POSITIONS
Nanostructured Materials, Biomedical Applications, and Nanoelectronics
Boise State University

Applications are invited for two postdoctoral positions in the Department of Physics at Boise State University to work in the areas of nanomaterials fabrication, biofunctionalization and biomedical applications, and nanoelectronic/spintronic devices. The successful applicant will employ chemical synthesis and thin-film deposition methods to prepare samples and will characterize them using x-ray diffraction (Philips X'pert), transmission-electron microscopy (JEOL 2100), x-ray photoelectron spectroscopy (PHI Versaprobe), transport measurements (Quantum Design PPMS), spectrophotometry (Cary 5000), magnetometry (LakeShore 7407 VSM and Quantum Design PPMS), electron-spin resonance (Bruker EleXsys E-500), Zetasizer NANO, and Zeiss LSM 5 Pascal confocal microscope which are all available at Boise State University.

Applicants must be highly motivated, creative, independent, have a PhD degree in physics/chemistry/materials science (or a related field), experience in one or more of the above-mentioned research areas and/or experimental techniques, ability to work in a team, possess good communication and writing skills, and fluent in both spoken and written English. To be considered, the following materials are required: (i) vitae and list of publications, (ii) a brief description highlighting your research experience (maximum of 1-page), and (iii) names and contact information of three references. Applications may be submitted by e-mail (apunnoos@boisestate.edu), or mailed to Dr. Alex Punnoose, Department of Physics, Boise State University, Boise, ID 83725-1570. For more details, please visit www.boisestate.edu/physics/punnoose.

Women and minorities are encouraged to apply.



LECTURER
Department of Materials
Science and Engineering
Johns Hopkins University

The Department of Materials Science and Engineering at Johns Hopkins University invites applications for a non-tenure track lecturer position. The appointment will be for one year with the possibility of renewal for successive years, contingent on satisfactory performance.

The primary responsibility of the successful candidate will be teaching undergraduate courses in materials science engineering, including laboratory courses. Possibilities also exist for teaching at the graduate level.

We anticipate that the successful candidate will possess an earned PhD degree (or equivalent) in Materials Science and Engineering or a related field. Candidates who are otherwise exceptionally qualified but who do not hold a PhD degree will also be considered. Demonstrated enthusiasm for teaching, laboratory skills, and command of the English language are essential.

The department has a dynamic faculty with active research efforts in a variety of areas. The present student enrollment is approximately seventy undergraduate and fifty graduate students.

Applicants should prepare an application as a single PDF file that includes (a) a detailed resume, (b) a statement of teaching interests, and (c) the names and contact information for three references. Applications should be submitted via email to materials@jhu.edu, with a subject line reading "lecturer application." Inquiries regarding the position may be made to the same address.

Applications will be accepted on a continuing basis until the position is filled. The anticipated starting date for the appointment is July 1, 2008.

The Department is committed to building a diverse educational environment; women and minorities are strongly encouraged to apply. The Johns Hopkins University is an EEO/AA Employer.

**PLACE YOUR AD
 TODAY!**

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

Positions Available

DEAN, COLLEGE OF ENGINEERING
University of North Texas



The University of North Texas (UNT) announces a nationwide search to recruit a new Dean for its College of Engineering. We seek an academic leader with experience, vision, and drive to lead a dynamic and growing College. The position is open beginning Fall 2008.

Founded in Denton, Texas in 1890, the University of North Texas is the flagship of one of the three largest university systems in Texas and one of the fastest growing universities in the nation. UNT enrolls more than 34,000 students. It is a recognized student-centered public research university, dedicated to harnessing the power of ideas. Located in the Dallas/Fort Worth Metroplex, this vibrant region features a population of over six million people, a conveniently located international airport, and a strong, collaborative spirit. The Dallas/Fort Worth area is home to 22 Fortune 500 companies, giving it one of the highest concentrations of corporate headquarters in the U.S. UNT's College of Engineering has partnerships with community colleges, corporations, and government agencies.

The College of Engineering annually enrolls over 1,290 undergraduate, 230 masters, and 55 doctoral students in the departments of Computer Science and Engineering, Engineering Technology, Materials Science and Engineering, Electrical Engineering, and Mechanical and Energy Engineering. The college employs 53 full-time and 9 part-time faculty and 23 staff. It offers eleven undergraduate and nine graduate degrees at the masters and doctoral levels. The college generated about \$9.3M of faculty research expenditures from external grants during the past two fiscal years.

The Dean is responsible for handling academic, fiscal, and personnel matters; providing strategic, entrepreneurial, and visionary leadership for the College; and fostering excellence in teaching, research, and service. The Dean is the primary advocate for the College within the University and at regional, national, and international levels, actively participating in fundraising and partnership initiatives. The successful candidate must demonstrate extensive knowledge and experience in the areas above and must hold a doctoral degree relevant to a program in the College and a record of academic achievement commensurate with a tenured appointment at the rank of Professor. Additional information about qualifications for the position and about the College is available at <http://www.eng.unt.edu/index.htm>.

Applications and nominations may be submitted by mail or electronically. Review of applications will begin February 1, 2008, and will continue until the position is filled. For full consideration, please include a vita, statement of purpose, and the names of five references who will not be contacted without notifying the applicant. Please send all correspondence to:

Herman L. Totten, Dean; School of Library and Information Sciences Chair, College of Engineering Dean Search
University of North Texas; PO Box 311068; Denton, TX 76203-1068
Telephone: 940-565-2731; Fax: 940-565-3101
Email: pking@unt.edu

The University of North Texas is an affirmative action/equal opportunity employer.

Lectureship/Senior Lectureship in (Materials Science/ Materials Engineering)

**Department of Chemical and Materials Engineering
Auckland, New Zealand
Vacancy Number: A933-071**

Applications are invited from candidates with a strong background in materials science and/or materials engineering, with strengths in materials processing.

You must hold a PhD in a relevant field, have the ability to carry out and publish independent research, and be able to contribute to the teaching programme in materials science and engineering at both the undergraduate and graduate levels.

As well as teaching materials throughout the full four year Chemical and Materials Engineering degree programme, the Department also teaches a core materials science course to all Year One students in the Faculty of Engineering.

The current research programmes in the Department include light metals, materials processing, surface science and engineering, electronic materials, corrosion and oxidation, mechanical properties including fracture, wear and fatigue, high temperature alloys and ceramics, biomaterials, nano-materials and their device and catalytic applications. The Department has significant input into two University Centres – the Research Centre for Surface and Materials Science and the Light Metals Research Centre.

Applicants able to work towards obtaining external funding to support research within the Department's present areas of interest, or a related field, will be advantaged.

Preliminary enquires relating to the position, the Department and its teaching and research should be directed to Professor George Ferguson, Head, Department of Chemical and Materials Engineering, telephone 649 373 7599 ext 88133, email wg.ferguson@auckland.ac.nz, or Professor Wei Gao, w.gao@auckland.ac.nz. Potential applicants are invited to visit the Department website: <http://www.ecm.auckland.ac.nz/>.

Applications close Friday, 21 March 2008.

For further information go to www.opportunities.auckland.ac.nz.

The University has an equal opportunities policy and welcomes applications from all qualified persons.



**THE UNIVERSITY OF AUCKLAND
NEW ZEALAND**

Te Whare Wānanga o Tāmaki Makaurau

Positions Available



With 30,000 students, 10,000 employees, and its emphasis on innovative research, RWTH Aachen University is one of the leading universities of technology in Europe. Its teaching and research are characterised by a distinctly international, practice-orientated, and interdisciplinary approach. The Jülich-Aachen Research alliance (JARA) is a central element of the institutional strategy and the successful application of the RWTH Aachen in the framework of the excellence initiative by the German Federal and state governments to promote science and research at German universities. With this alliance a new model for cooperation in partnership between a university and an extra-university research center has been constituted.

**Junior Professor (W1)
Fundamentals of Nanoelectronics
Faculty of Mathematics, Computer Sciences and
Natural Sciences**

The division JARA-FIT (www.cni-juelich.de) within the strategic JARA partnership between RWTH Aachen and Forschungszentrum Jülich promotes the development of fundamentals for future information technology. We are searching for an outstanding personality who can teach courses in experimental nanoelectronics and is a renowned researcher in the field. The junior professorship is available starting October 1, 2008 and will be associated to the physics department of the RWTH Aachen as well as to the research centre Jülich (IBN). Qualified applicants should have a research record; e.g., in one of the following cutting edge fields of nanoelectronics: quantum transport, magnetoelectronics, molecular transport, C-based electronics, or nanophotonics. An involvement in the development of highly precise structuring methods (such as EUV lithography, EBID methods) is welcome. It is planned that half of the junior professor positions established within the JARA-FIT initiative will be tenured.

Applicants must have a university degree and a special commitment to research verified for example by means of an outstanding doctorate. They should be capable of and dedicated to teaching. It will be expected that the candidate will be able to give lectures in the German language within three years of starting date.

Please send your application including a cover letter stating research aims, a CV, and publication lists to:

Prof. M. Wuttig
An den Dekan der Fakultät 1 der RWTH Aachen
Templergraben 55, 52062 Aachen, Germany

The deadline for applications is April 1, 2008.

The RWTH Aachen aims to increase the number of women in areas in which they are under-represented, thus women are strongly encouraged to apply. For further information please see: <http://www.rwth-aachen.de/equality>.

The RWTH Aachen also aims to integrate persons with disabilities, thus persons with disabilities are strongly encouraged to apply. For further information please see: <http://www.rwth-aachen.de/disabilities>.

**POSTDOCTORAL RESEARCH ASSISTANT
Tissue Engineering
University of Arkansas at Little Rock**

The Nanotechnology Center at the University of Arkansas at Little Rock is seeking a Postdoctoral Research Assistant (job #457) in polymer science, bio-polymers, protein interaction with polymeric materials, cell biology, tissue engineering, etc. The successful candidate should have a PhD degree in Material Science, Chemistry, Applied Science, Biology, or equivalent and have a proven record of independent and original research reflected in publications in peer-reviewed and International Journals. The postdoctoral candidate will be working in the new Tissue Engineering Laboratory at the Nanotechnology Center. The candidate should be comfortable with performing independent research and interact with scientists from a broad variety of backgrounds that include: material scientists, engineers, biologists, and surgeons. The position also requires a strong relationship with other research institutions such as universities and private companies.

To apply, submit a letter of application (reference job #457), a detailed Curriculum Vita, a complete list of publications, and two letters of recommendation to:

Ms. Glediana Rexha, Nanotechnology Center ETAS 151
University of Arkansas at Little Rock
2801 S. University Avenue; Little Rock, AR 72204

Electronic submissions are preferred; send to gxrexha@ualr with job #457 in the subject line or fax to 501-683-7601. For information, visit <http://www.ualr.edu> or <http://nanotechnologycenter.ualr.edu/>. Under Arkansas law, all applications are subject to disclosure. Persons hired must have proof of legal authority to work in the United States.

The University of Arkansas at Little Rock is an equal employment, affirmative action employer and actively seeks the candidacy of minorities, women, and persons with disabilities.

The Johannes Kepler University Linz Austria

invites applications for the position of

**Full Professor for "Chemical
Technology of Organic Materials"
from July 1, 2008**

The candidate is expected to teach the complete field of "Chemical Technology of Organic Materials" and to conduct research on an international level. Willingness to cooperate with industry and potential for obtaining external funding is anticipated. Industrial experience is helpful. For further information visit the website at <http://www.jku.at/professuren>. Applications must be received by March 31, 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

Positions Available



**MICROFABRICATION
CLEANROOM MANAGER
Northwestern University**

Northwestern University invites applications for the Microfabrication Cleanroom Manager position on the Evanston, IL campus. The University and the McCormick School of Engineering have made a commitment to establish a new microfabrication cleanroom facility in order to meet future research needs in the areas of: nanoscience, nanotechnology, and MEMS. The facility is currently in the planning stages and expected to be completed within 18 months.

The manager will work closely with administration and faculty members to facilitate laboratory design, space renovation, facility planning, equipment purchase, and installation. Once the cleanroom is in operation, the manager will work with staff members, faculty, and students to maintain the facility and equipment, manage day-to-day research and development activities, and train users. A successful candidate is expected to meet the following qualifications:

- Five years of work experience in a microfabrication facility, preferably working in a facility manager capacity.
- Master's degree (or higher) in engineering or physical sciences.
- Research experience in MEMS and nanofabrication preferred.

The cleanroom will provide critical nanofabrication capabilities to Northwestern University. The University has several national research centers dedicated to nanoscience and nanotechnology research, including the NSF Nanoscale Science and Engineering Center, NIH Center for Cancer Nanotechnology Excellence, National Center for Learning and Teaching in Nanoscale Science and Engineering, NSF Material Research Science and Engineering Center, and the Institute of Bionanotechnology in Medicine.

All resumes for this position must be received through the electronic recruiting system, eRecruit. For considerations, use the following link—<http://www.northwestern.edu/hr/careers>. To apply for this position in eRecruit, enter the Job Opening ID Number 11390 or the position title in the appropriate search field. Once you apply, you will receive an email confirming submission of your resume.

Northwestern University is an Equal Opportunity, Affirmative Action Employer. Members of historically underrepresented groups are strongly encouraged to apply.



UNIVERSITY AT ALBANY
State University of New York

NanoEngineering Faculty Position

Announcement of Open Faculty Position in NanoEngineering for the Constellation College of Nanoscale Science and Engineering, The University at Albany Albany, New York. As part of its multi-year strategic plan, the College of Nanoscale Science and Engineering (CNSE) of the University at Albany-SUNY invites applications for two tenure track positions at the assistant professor level in its NanoEngineering Constellation.

QUALIFICATIONS: Opportunities are available for individuals with expertise in the areas of: (i) optoelectronic, photonic, and/or nano-optoelectronic materials, devices, and architectures; (ii) magnetic (such as spintronic) materials, devices, and architectures; (iii) molecular (such as carbon nanotube, graphene, etc.) materials, devices, and architectures; (iv) nanolithography, such as ultra-violet, e-beam, and/or molecular imprint lithography; (v) 3D hyper-integration of devices and systems; and (vi) nanoengineered energy and environmental technologies.

The CNSE NanoEngineering Constellation is a "think tank" of scholarly excellence in research and education that is designed to catalyze and encourage cross-disciplinary innovation and pedagogy, as driven by the fundamental intellectual underpinnings of nanotechnology. As part of its portfolio, the CNSE NanoEngineering Constellation is implementing a graduate (doctoral and Master's) degree in nanoengineering that provides a comprehensive education in the application of nanoscience principles to practical applications, such as the atomic scale design, manufacture, and operation of efficient and functional structures, machines, processes, and systems. Candidates should have a Ph.D. in an appropriate concentration in physics, chemistry, chemical engineering, materials science, materials engineering, biology, biotechnology, or electrical engineering from a college or university accredited by a USDOE or internationally recognized accrediting organization. The candidates must also have a strong publication record and must possess demonstrated excellence in academic, scientific and scholarly activities, and proven ability to establish vigorous externally funded research programs in one of the technical areas listed above. Applicants must address in their applications their abilities to work with and instruct a culturally diverse population. Joint appointments in the other CNSE constellations are possible and highly encouraged where appropriate. Candidates will be asked to submit a list of publications related to their research activities.

The College of Nanoscale Science and Engineering of the University at Albany-State University of New York is the first college in the world devoted exclusively to the research, development and deployment of innovative nanoscience, nanoengineering, nanobioscience and nanoeconomics concepts. In May 2006, it was ranked by *Small Times* magazine as the nation's number one college for nanotechnology and microtechnology. CNSE's Albany NanoTech complex is the most advanced research facility of its kind at any university in the world: a \$3 billion, 450,000-square-foot complex that attracts corporate partners from around the world and offers students a one-of-a-kind academic experience, and it is growing.

The UAlbany CNSE is also home to the New York State Center of Excellence in Nanoelectronics. The CNSE complex, financed through more than \$500 million in governmental support and over \$2.5 billion in corporate investments, houses the only pilot prototyping facilities in the academic world for the two standard sizes in computer chip design, the 200-millimeter (or 8-inch) wafer, and the 300-millimeter (or 12-inch) wafer. CNSE has more than 150 U.S. and worldwide partners, including some of the world's largest semiconductor and semiconductor-related tool manufacturing companies. For more information, visit the CNSE Web site at <http://cnse.albany.edu>.

SALARY: Dependent on Experience

APPLY: Please submit a minimum of three letters of recommendation, statement of research interests, statement of teaching interests, and curriculum vitae to:

Ms. Rhonda Haines
RHaines@uamail.albany.edu
ATTN: Faculty Search
College of Nanoscale Science & Engineering
NanoFab 300 South
255 Fuller Road
Albany, NY 12203

STARTING DATE: As soon as possible

APPLICATION DEADLINE: Review of applications will begin on April 15, and continue until position is filled.

The University at Albany is an EEO/AA/IRCA/ADA employer.

SR. RESEARCH CHEMIST
FUJIFILM Electronic Materials USA, Inc.

FUJIFILM Electronic Materials USA, Inc., Queen Creek, Arizona, seeks a Sr. Research Chemist to design, develop, and commercialize new copper and aluminum-compatible post-etch residue resist strippers and post-CMP cleaners.

Requirements include an MSC degree in Chemistry or Material Science and significant prior research experience in semiconductor technology. Knowledge of inorganic chemistry, and a strong comprehension of surface cleaning methods and sciences, fluency in technical writing, literature search processes and methods, and intellectual property processes and methods are also required. Experience and proficiency in cleaning tool operation and in presentation and imaging software are necessary.

Apply to Lora E. Gentles, SPHR, Human Resources Manager, FUJIFILM Electronic Materials USA, Inc., 6550 S. Mountain Road, Mesa, AZ 85212.

EOE

A*STAR INVESTIGATORSHIPS



Prestigious Research Award for young scientists and engineers

Starting 2008, the Singapore Agency for Science, Technology & Research (A*STAR) will bring together 6 physical science and engineering research institutes to the iconic Fusionopolis (<http://www.a-star.edu.sg/astar/fusionopolis/index.do>). We invite applications for the **A*STAR Investigatorships**, which will support and promote the independent early career development of potential leaders in scientific and engineering research. Applicants should ideally have obtained their PhD within 24 months (and at most not more than 48 months) of the application date, and have demonstrated strong ability and creativity in research.

The awards support **independent** research for a duration of 3 years, renewable for a further 3 years. The Investigatorships will be tenable at one of A*STAR's prestigious science and engineering research institutes. **A*STAR Investigators** will select a mentor from A*STAR's research institutes but will conduct and publish their research independently.

A*STAR Investigators will receive attractive remuneration, support for set-up costs, research funding, research staff and have access to state-of-the-art scientific equipment and facilities. Each **A*STAR Investigator's** laboratory would have a research allocation of up to US\$500K p.a.

Candidates are invited to apply in the following areas:

- Cognitive Systems, including robotics
- Meta-materials
- Terahertz
- Clean energy technologies (including fuel cells, organic PVs, bioenergy)
- Services Science (focusing on computational approaches and computer systems to improve service efficiency and catalyse service innovation)

The **A*STAR Investigatorship Selection Panel** includes the following:

Professor Charles Zukoski, Chairman, SERC, A*STAR and Vice Chancellor for Research, University of Illinois at Urbana-Champaign

Lord Ronald Oxburgh, member of the UK House of Lords Select Committee on Science & Technology and former Chairman, Shell

Dr Bernard Meyerson, Chief Technologist, Technology Group, IBM

Professor Andrew Ortony, Department of Psychology, Education, and Computer Science, Northwestern University

Professor Richard Syms, Microsystems Technology, EEE Department, Imperial College

Applications will close on **31 May 2008**. Shortlisted candidates will be invited to Singapore for interviews, which will include a scientific presentation at an open symposium. These are expected to be held in **August 2008**. It is expected that the awards will commence in 2009. Applicants are requested to submit their CVs, including 3 academic referees, and a 5-page research proposal (1 hard copy & 1 soft copy) to:

A*STAR Investigatorships

Agency for Science, Technology & Research, 30 Biopolis Street, #09-01 Matrix, Singapore 138671

Email: A-STAR_SERC_Investigatorships@a-star.edu.sg

www.a-star.edu.sg/astar_investigators



Agency for
Science, Technology
and Research

