



Senior Positions Available

NINGBO INSTITUTE OF MATERIAL TECHNOLOGY AND ENGINEERING (NIMTE) • CHINESE ACADEMY OF SCIENCES (CAS)

Ningbo Institute of Material Technology and Engineering (NIMTE) is located in Ningbo, a prosperous port city in Zhejiang Province, China, that enjoys both a rich cultural heritage and highly developed economy, and is the first institute of the Chinese Academy of Sciences in Zhejiang Province. NIMTE was founded in 2006 with the core value of "Facilitate the application of scientific research achievements, and deliver innovative solutions for industry and society," and with the vision to become a unique world-class research institute in materials science, technology, and engineering.

NIMTE focuses on the development of new materials, new energy, and advanced manufacturing techniques. Research areas include, but are not limited to: magnetic materials, polymers, surface engineering, functional materials and nano devices, photovoltaic solar cells, solar hydrogen production and storage, biological hydrogen manufacturing, membrane growth and core equipment, organo-polymer solar cells, energy storage technologies, intelligent devices and systems, automation and advanced control technology, composites processing and manufacturing equipment, software and hardware for computer vision, advanced drive and precise machinery, and virtual manufacturing. Further information can be found at <http://www.nimte.ac.cn>.

NIMTE invites outstanding applications in emerging fields for senior positions at all ranks, including the National "Qianren" candidate, the "Hundred Talents Program" of CAS, the "Qianren" of Zhejiang, and the Flagship Leader, Team Leader, and Young Leader of NIMTE. Appointments can be at the Chief Professor/Engineer, associate, or full professor rank commensurate with the candidate's experiences and accomplishments.

NIMTE offers generous and competitive start-up packages, including startup funds of 0.5-10 million RMB, house purchasing privilege and subsidies under the Talent Recruitment Programs, additional bonuses based on individual performance, and effective profit distribution.

Applications and nominations enclosing an updated CV should be sent to:

Dr. Ruili Zhang, Department of Human Resources
Ningbo Institute of Material Technology and Engineering
519 Zhuangshi Road, Zhenghai, Ningbo
Zhejiang, P. R. China 315201
Tel: (86) 574-8791123
E-mail: rlzhang@nimte.ac.cn

Professor Cui Ping, Director of NIMTE, will be attending the 2011 MRS Spring Meeting, April 25-29, in San Francisco. Please contact (86) 135-66050780 to arrange a face-to-face meeting.



FACULTY POSITIONS Biophotonics and Nanoscale Optoelectronics

The University of North Texas invites applications for two senior (Professor or Associate Professor) faculty positions at the PhD level in Biophotonics and Nanoscale Optoelectronics. Candidates with a proven track record of scholarship demonstrated through extramural funding and publications, and a demonstrated record of teaching/mentoring are encouraged to apply. Preference will be given to candidates with expertise in one or more of the following areas: 1) nanoscale photonic, optoelectronic, and/or biophotonic devices capable of sensing and actuating; 2) imaging, bioconjugation, and spectroscopy of biological systems with a focus on biotic and abiotic interfaces; 3) advanced photonic synthesis and fabrication of biomaterials; and 4) epitaxial material synthesis for device applications.

We particularly seek candidates who complement existing strengths; please visit our website at <http://www.phys.unt.edu/photronics/> for additional information. Electronic application is required at <http://facultyjobs.unt.edu>. Screening begins immediately and will continue until the search is closed.

UNT is an AA/ADA/EOE.

Research Scientist (or Associate) University of Texas at Dallas

The School of Natural Sciences and Mathematics at The University of Texas at Dallas seeks a materials engineer for the design and characterization of organic light emitting devices and solar cells. Fabrication experience required. Candidates should hold a PhD degree in Physics, Chemistry, Materials Science, or a related field. Applicants should submit their curriculum vitae, up to three scholarly publications, and a minimum of three letters of reference via the online application form available at <http://provost.utdallas.edu/facultyjobs/pno110308>.

UTD is an AA/EOE employer.



UF UNIVERSITY of FLORIDA

FACULTY POSITIONS Nuclear Engineering Program

The Nuclear Engineering Program in the College of Engineering at the University of Florida invites applications for three tenured or tenure-track positions at the rank of Assistant, Associate, or Full Professor.

Candidates are sought with research interests in nuclear materials. Areas of specific interest include, but are not restricted to: LWR and innovative fuel systems; structural materials; corrosion and detector materials.

The Nuclear Engineering Program is undergoing a major revitalization and expansion with a research emphasis on nuclear materials. Five faculty members will be added to the program over the next two years. The Nuclear Engineering Program offers comprehensive, highly-ranked, accredited BS, MS and PhD curricula. We anticipate that the successful applicants will be degreed in nuclear engineering, and will continue the tradition of both developing and teaching courses at the undergraduate and graduate levels.

The Nuclear Engineering Program is newly integrated into the UF Department of Materials Science and Engineering (MSE), one of the top 10 programs in the country. This unique configuration provides a vibrant, multidisciplinary, highly collaborative environment for both graduate and undergraduate programs. The department includes 37 faculty members, ~250 graduate students, over 340 undergraduates (approximately equally split between the NE and MSE programs)

and over \$10 million in annual research expenditures. Our faculty research activities are essential to the success of our programs; as such, new faculty members are expected to initiate and sustain strong sponsored research and graduate training programs.

The search committee will begin reviewing applications immediately and will continue to receive applications until the positions are filled. To apply, please reference **position numbers 00004229, 00004330 and 00009586**, and send a curriculum vitae, statement of research and teaching interests, and contact information for three references to:

Chair of the Search Committee
Nuclear Engineering Program Search
Department of Materials Science and Engineering
Post Office Box 116400
University of Florida
Gainesville, Florida 32611-6400

In addition, PDF files of the application package should be e-mailed to Ms. Alice Holt at aholt@mse.ufl.edu. For additional information about the Department and University, please visit our Web site at <http://www.mse.ufl.edu>.

The University of Florida is an Affirmative Action, Equal Opportunity Employer. We are dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and research in a multicultural environment; we strongly encourage applications from women, members of underrepresented groups, individuals with disabilities, and veterans. According to Florida law, applications and meetings regarding applications are open to the public on request.



华南师范大学
SOUTH CHINA NORMAL UNIVERSITY

FACULTY POSITIONS

South China Normal University (SCNU) was established in 1933, and is now a member of "Project 211" by the National Education Department and a prestigious university in Guangdong Province. It is located in the City of Guangzhou, one of the most advanced economic hubs in China and the host of the 2010 Asian Games. The University has recently begun an initiative to attract world-class researchers on clean energy research, and is committed to providing necessary resources to not only well-established senior experts but also to young scholars with great potentials to achieve excellence at SCNU. At the frontier of this initiative is the establishment of the Clean Energy and Quantum Information Team composed of selected researchers at all career stages with outstanding backgrounds from the US, Europe and China. The Team also maintains close collaboration with renowned international institutions. A ~250m² photovoltaic laboratory is being filled with equipment and facilities by the team members in a brand-new research building, with additional space up to ~1000m² reserved for future expansion.

The Team seeks outstanding candidates in emerging clean energy fields to strengthen and expand its existing areas of focus, as well as facilitate the transfer of lab-scale technologies to industrialization. The most desired focus of interest is **novel experimental photovoltaic sciences and technologies (especially those making use of nanotechnologies or nanophotonics)**, and strong candidates on experimental thermoelectrics are also encouraged to apply. The candidates must prove to have extensive training in photovoltaics or thermoelectrics from a scientific or engineering perspective, and have a track record of relevant publications.

Requirements: A PhD degree in clean energy related science/engineering disciplines with a promising research record and a strong teaching ability.

Salary and Conditions of Service: Remuneration package will be driven by market competitiveness and individual performance. Initial appointment will be made on a fixed-term contract, with affiliation most likely to the School of Physics and Telecommunications.

Information and Application: Further information on the University is available at <http://www.scnu.edu.cn>.

Please send the nomination or application enclosing a current CV with contact information of three references and a concise (up to two pages) statement of research interests and teaching philosophy (all in English) to wangyang@scnu.edu.cn. Applications will be considered until the positions are filled. Personal data provided by applicants will be used for recruitment and other employment-related purposes only.

South China Normal University is an equal opportunity employer and we are committed to the principle of diversity. We encourage applications from all qualified candidates, especially those who will enhance the diversity of our staff.



A Department of Energy National Laboratory

POSTDOCTORAL POSITIONS Thermal Property Characterization

Sandia National Laboratories is one of the country's largest research and engineering laboratories in the nation, employing over 8,000 people at major facilities in Albuquerque, New Mexico and Livermore, California. We make enduring contributions to secure our society against high consequence terrorist threats and national incidents through effective use of science, technology, and systems solutions. Please visit our website at www.sandia.gov. We are searching for Post Docs in Thermal Property Characterization for the Nanomaterials Sciences Department at the Albuquerque facility. The salary is \$83,100. A benefit and relocation package is available.

Perform original experimental research related to development and advancement of Raman spectroscopic techniques using both continuous-wave and pulsed laser systems to measure fundamental thermal properties including thermal conductivity, specific heat, and thermal boundary conductance. Work closely with micro/nanoscale heat transfer interdisciplinary teams and be responsible for developing new characterization techniques for the study of developing material systems and extending the knowledge-base of thermal transport physics for small-scale structures.

A PhD degree in engineering, physics, materials science, or a related discipline is required. Requires a strong record of original experimental work and publication in the theory, set-up, and operation of continuous-wave and pulsed/ultrafast laser systems; knowledge of basic heat transfer analysis; ability to work independently, while integrating effectively into a teaming environment; extensive hands-on laboratory experience with demonstrated use of safe laboratory practices; and strong interpersonal, organizational and communication, both oral and written skills.

Experience in Raman spectroscopy or ultrafast laser experimentation for solid-state material characterization is highly desired. Experience with theory and experiments in micro/nanoscale heat transfer would be advantageous. Demonstrated leadership skills and experience working in a collaborative environment within a multidisciplinary team and curiosity about the world and a strong interest in connecting one's research to the larger context of science, society and national security are desirable.

Please apply online at <http://www.sandia.gov/careers/search-openings.html>, click Search for Openings, and reference **Job ID Number 637411**. U.S. Citizenship Normally Required.



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



DIRECTOR OF THE NUCLEAR ENGINEERING PROGRAM

The Nuclear Engineering Program in the College of Engineering at the University of Florida is seeking a highly-qualified individual to become its Director, with the rank of Full Professor.

The Nuclear Engineering Program is undergoing a major revitalization and expansion, with a research emphasis on nuclear materials: five faculty members will be added to the program over the next two years. The Director will guide the strategic development of this program, lead curriculum development, lead research initiatives, expand outreach programs for government and industrial partnerships, expand program visibility, and foster alumni participation in program revitalization. The Nuclear Engineering Program offers a comprehensive, ABET-accredited BS degree, as well as MS and PhD degrees. We anticipate that the successful applicant will continue the traditions of teaching and research that support our academic pursuits at both the undergraduate and graduate levels.

The Nuclear Engineering Program is newly integrated into the UF Department of Materials Science and Engineering (MSE). This unique configuration provides a vibrant, multidisciplinary, highly-collaborative environment which has consistently ranked among the top ten departments in the nation for both graduate and undergraduate programs. The department includes 37 faculty members, ~250 graduate students, over 340 undergraduates (approximately equally split between the NE and MSE programs), and over \$10 million in annual research

expenditures. Our faculty research activities are essential to the success of our programs; as such, new members of our faculty are expected to initiate and sustain strong sponsored research and graduate training programs.

The search committee will begin reviewing applications immediately and will continue to receive applications until the position is filled. To apply, please reference **position number 00008389**, and send a curriculum vitae, statement of research and teaching interests, and contact information for three references to:

Prof. Susan Sinnott
Chair of the Search Committee
Nuclear Engineering Program Director Search
Department of Materials Science and Engineering
Post Office Box 116400
University of Florida
Gainesville, Florida 32611-6400

In addition, PDF files of the application package should be e-mailed to Ms. Alice Holt at aholt@mse.ufl.edu. For additional information about the Department and University, please visit our Web site at <http://www.mse.ufl.edu>.

The University of Florida is an Affirmative Action, Equal Opportunity Employer and encourages applications from women and minority group members. According to Florida law, applications and meetings regarding applications are open to the public on request. We are dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment; we strongly encourage applications from women, members of underrepresented groups, individuals with disabilities, and veterans.