Positions Available

FACULTY APPOINTMENTS
National University of Singapore
Department of Materials Science
http://www.science.nus.sg/~material/

The Department of Materials Science offers an undergraduate major programme and Honours programme in Materials Science, combined Honours programme in Materials Science with Chemistry or Physics, coursework-based MSc programme in Materials Science and Engineering (in conjunction with the Faculty of Engineering), MSc and PhD programmes by research.

The Department currently has a small core of faculty members and more members are being recruited. Faculty members from the departments of chemistry and physics also contribute to the teaching of materials science courses. The Department is equipped with facilities for teaching and research. Major research areas include metals, semiconductors, ceramics, polymers, and composites. The faculty members in the Department have strong links with industry, colleagues in other departments in the University, and other universities abroad.

Applications are invited for faculty appointments from candidates who possess a PhD degree or its equivalent in any of the following areas:

Polymeric Materials
Magnetic Materials
Electronic Materials
Composite Materials

Duties include teaching, research, and some administrative work. Besides appointments on normal 3-year contracts, visiting appointments for one or two years will also be considered. Gross annual emoluments range as follows:

Lecturer	S$ 58,390 - 74,300
Senior Lecturer	S$ 67,940 - 138,090
Associate Professor	S$122,460 - 170,100

(The current exchange rate is approximately: US$1 = S$1.44; 1 British Pound = S$2.30.)

In addition, a 13th-month annual allowance (of one month's salary) and an annual variable component (of normally 2 months' salary) may be payable at year end, under the flexible wage system, to staff on normal contracts. The commencing salary will depend on the candidate's qualifications, experience and the level of appointment offered.

Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance, subsidized housing, education allowance for up to three children subject to a maximum of S$16,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore. Staff members may undertake consultation work, subject to the approval of the University, and retain consultation fees up to a maximum of 60% of their gross annual emoluments in a calendar year.

All academic staff will be given a networked personal computer with access to a Cray supercomputer, UNIX hosts, departmental laser printers, a wide spectrum of software, on-line library catalogue, CD-ROM databases, Video-on-Demand, INtv, and Internet.

Application forms and further information may be obtained from:

Professor Ng Ser Choon, Head
Department of Materials Science
National University of Singapore
10 Kent Ridge Crescent
Singapore 119260
Fax: 65-776-3604
E-mail: masngsc@nus.sg

Applications should be submitted by **November 30, 1997**. Only shortlisted candidates will be notified.

RESEARCH SCIENTIST
Battelle-Pacific Northwest National Laboratory
Materials and Chemical Sciences Department

The Pacific Northwest National Laboratory (PNNL) is located in Richland, Washington, in the southeastern portion of the State. PNNL conducts basic and applied research for the Department of Energy.

PNNL is seeking experienced researchers for two positions. Requirements for these positions include: A doctorate degree in materials science or materials engineering, or a related discipline with a minimum of five years of industrial experience.

Research Scientist: Requisition #45840-LMN
Initial assignments will include development of fabrication methods for separation membranes and automotive components, as well as evaluation of rheology and binder removal of extruded ceramics. Experience with extrusion or injection molding would be beneficial. Industrial experience should be in the area of processing and fabrication of advanced ceramic materials.

Research Scientist: Requisition #29723-LMN
This position will be responsible for defining key research areas in materials processing, performing both basic and applied research in processing science, and developing programs that integrate processing science between PNNL external collaborators and clients.
Must have experience in one or more of the following: tape casting, extrusion, injection molding, slip casting, or compression molding.

To apply, please reference the requisition number and send a scannable resume to: **Pacific Northwest National Laboratory, P.O. Box 999, MSIN K1-24, Richland, WA 99352;** or E-Mail to: **PNL_Open_Positions@PNL.Gov;** or fax to **(509) 375-2276.** Pacific Northwest National Laboratory is an Affirmative Action/Equal Opportunity Employer and supports diversity in the workplace. Minorities, women, Vietnam-era veterans, and the disabled are encouraged to apply.

FACULTY POSITION
Materials Science and Engineering
North Carolina State University

Applications for a tenure-track position at the assistant or associate professor level are invited. The applicant must have a PhD degree in materials science or a closely related discipline, and expertise in composite materials. Research interests can include processing, testing, or failure analysis methods. The ability to establish a viable externally funded research program is essential. Development of research links with complementary programs in other departments is also expected. Teaching responsibilities will include undergraduate and graduate courses. The successful applicant must be prepared to collaborate with mechanical engineering faculty, as well as teach courses in the area of solid mechanics.

Applications must include a curriculum vitae, a summary of research and teaching interests, and a list of three references. Screening will begin on **August 1, 1997** and will continue until the position is filled. Applications should be sent to Professor R.O. Scattergood, Chair, Search Committee, Department of Materials Science & Engineering, Box 7907, North Carolina State University, Raleigh, NC 27695-7907. E-mail: ron_scattergood@ncsu.edu.

North Carolina State University is an Equal Opportunity/Affirmative Action Employer.

Classified ads can be e-mailed to Mary E. Kaufold at

Kaufold@mrs.org

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Positions Available

The Swiss Federal Institute of Technology Lausanne (EPFL) invites applications for the four following positions of:

EPFL ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

ASSISTANT PROFESSOR

1. ENVIRONMENTAL ENGINEERING at the Rural Engineering Department
The new collaborator will have teaching and research responsibilities for environmental biotechnology, particularly in modern biological treatments of industrial effluents. He/she must have the necessary skills within a pluridisciplinary team to develop new technologies of intensive treatments designated to biodegrade xenobiotic compounds in liquid or gaseous industrial effluents at their point of emission.

2. SOIL MICROBIOLOGY APPLIED TO THE MANAGEMENT AND REMEDIATION OF DEGRADED SOILS at the Rural Engineering Department
The new collaborator will have to develop high level research and teaching in the following areas: soil microbiology, biological detoxication of contaminated soils, qualitative remediation of degraded soils by restoration of biodiversity, and operational management of unstable anthropic soils. He/she must have outstanding qualities as an experimenter and model developer. The scientific approach will be the one of an engineer able to create, realize, and manage projects at a very high level.

3. BIOMATERIALS at the Materials Science Department
The new collaborator should have a high level of academic training with background both in materials science and engineering and medical/paramedical fields with knowledge of the interaction between synthetic materials and human tissue. He/she must have proof of his/her originality and ability through scientific publications of the highest level, for example in biomaterials research.

4. CHEMICAL ENGINEERING at the Chemistry Department
The new collaborator is expected to develop high level activities in the area of Multifunctional Processes/Reactors. He/she should have a strong interest in the teaching of chemistry and chemical engineering both at undergraduate and graduate levels.

For the four positions: The activities will take place within the concerned Departments and will also involve other units of the EPFL as well as other Swiss and international academic institutions and manufacturers. An aptitude for teaching to students of graduate and undergraduate level and for conducting original and high level projects is essential. The new collaborators will also be called on to supervise and guide students on semester projects, on engineering degrees and PhD degree work. They should possess a confirmed skill in leading projects. Candidates are invited to propose and send an original research program together with their application. Applications are encouraged from people who fulfill the requirements of the Swiss program for ensuring the continuity of competent university faculty. **Deadline for applications: September 26, 1997**. Starting date: as mutually convenient.

For further information, please ask for the documentation and the application form by writing to: Présidence de l'Ecole polytechnique fédérale de Lausanne, CE-Ecublens, CH 1015 Lausanne, Switzerland.

Applications from women are particularly welcome.

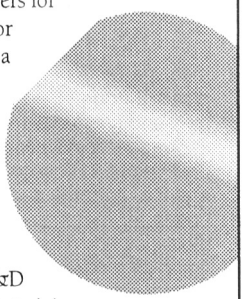
FACULTY POSITION
Future Industry-Oriented Basic Science and Materials Division
Toyota Technological Institute

A faculty position is available in the Division of Future Industry-Oriented Basic Science and Materials at Toyota Technological Institute at the assistant or associate professor level. A doctoral degree in materials or a closely related field is required. The successful candidate will have demonstrated potential to develop strong programs of materials research for information storage such as magnetic and optical recordings. Individuals with expertise in materials processing and characterization, as well as those with industrial experience and/or interests in collaborative research with industry, are especially encouraged to apply. Candidates should send by **November 30, 1997** *a vitae with a list of publications, a single page summary of research* projects and interests, along with the names and addresses of three references to:

Professor Takao Suzuki
Information Storage Materials Research Laboratory
Future Industry-Oriented Basic Science and Materials Division
Toyota Technological Institute
2-12-1, Hisakata, Tempaku-ku
Nagoya, 468 Japan
Tel/Fax: +81-52-809-1870/1874
e-mail: tsuzuki@toyota-ti.ac.jp

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

R&D Material Scientists



ShinEtsu/SEH America is a world leader in the manufacture of high-purity silicon wafers for the semiconductor industry. We are a leading edge employer with a strong commitment to our customers and our employees. We're seeking R&D Material Scientists to join our **Vancouver, Washington** office, located in the heart of the beautiful Pacific Northwest.

The first position will assist in establishing a qualified MOS testing facility. We're seeking dedicated, highly motivated R&D pros with an MS/PhD in EE and a silicon-related materials science background. MOS test and device processing experience (CV, Ct, GOI, Generation Lifetime and associated photolithography processing skills) are imperative. Must also have excellent communication, supervisory and team skills and the ability to apply R&D skills to interdepartmental and customer-related projects. **The second position** requires MS/Silicon Materials Science background with experience in DLTS and defect-related thermal experimentation.

SEH America offers a competitive salary and a complete benefits package including health insurance, life insurance, savings and pension programs. We invite you to send your resume to: SEH America, Human Resources, Dept. R&D , P.O. Box 8965, Vancouver, WA 98668-8965. FAX (360) 883-7074. An equal opportunity employer.

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