

## Positions Available

## 平成11年度基礎科学特別研究員の公募について

理化学研究所は、我が国の基礎研究を強力に推進するため、平成11年度の基礎科学特別研究員を募集します。斬新な研究課題を自主的に遂行できる若い研究者の応募を期待します。

採用予定人員/70名程度

受入機関/理化学研究所

募集分野/物理学、化学、生物科学、医科学、工学の各分野で、理化学研究所で実施可能な研究。

応募資格/平成11年4月1日現在35歳未満で、博士号取得者又はこれと同等の能力を有すると認められる者。

※日本国に永住権を有さない外国人にあっては、上記に加え、次の条件を満たす者。

①応募日現在日本国に在住している者。

②日本国の大学院博士課程を終了(見込を含む)し、博士号を取得(見込を含む)の者。

待遇等/①謝金 月額50万円程度(社会保険、税込)

②通勤費 実費(上限4万5千円/月)

③住宅費 家賃の一部支給

④研究費(138万円/年程度)

着任時期/平成11(1999)年4月1日

契約期間/連続して最長3年間を限度とし、毎年度所要の評価により契約更新

応募要項領布/領布開始は4月上旬予定

応募要項の請求は、下記FAXへ①郵便番号 ②住所 ③氏名(漢字)

④氏名(カタカナ)を記入し、送信すること。 ※要項代は無料。

応募願書の/平成10年5月29日(金)必着

提出締切

願書提出先/理化学研究所 研究業務部

若手研究員制度推進室 基礎科学特別研究員担当

〒351-0198 埼玉県和光市広沢2番1号

TEL: 048-467-9268(直通) FAX: 048-463-3687

## 理化学研究所

SCIENTIST — ELECTRON MICROSCOPY  
SINTEF Materials Technology

At the Department of Applied Physics there is a vacancy for a scientist. The applicant should hold a PhD degree in physics or materials science, have a broad background in materials science, and solid experience in using transmission electron microscopy for materials studies.

The successful applicant will carry out research and development in materials science. The main tasks will be within characterization of microstructure and studies of relationships between processing, microstructure, and properties. An interest in working on industrial materials problems and excellent communicative skills are required. The successful applicant will participate in the acquisition of new projects.

The research institute, SINTEF Materials Technology, with its approximately 200 employees, carries out research mainly for Norwegian industry. At the Department of Applied Physics, we are 12 scientists and seven scientific advisors. We benefit from a close scientific collaboration with research groups at the physics department of the Norwegian University for Science and Technology (NTNU). We also collaborate with other research groups in Norway and abroad.

We can offer a competitive salary, pension and insurance arrangements, and flexible working hours. SINTEF wants to increase the number of female employees and we encourage women to apply.

For more information, please contact Dr. Asgeir Bardal by phone at +47-73 59 35 83, or Dr. Svein Winther, research manager, by phone at +47-73 59 82 20.

Candidates should send an application including a curriculum vitae, a list of publications, and a list of references to:

SINTEF Materials Technology  
Department of Applied Physics  
N-7034 Trondheim, Norway

Applications must be received before **April 17, 1998**.

science serving society

## Materials Characterization

The NMT-3 Group of the Nuclear Materials Technology Division (NMT) is seeking a recently graduated experimentalist for a postdoctoral fellowship.

The successful candidate will participate in ongoing experiments in the Pit Surveillance, Pit Rebuild, Pit Manufacturing, and MOX Fabrication Programs. The primary experimental focus will be in fielding and advancing state of the art materials characterization and perform failure analysis and investigative analysis on production problems and component failures. Opportunities exist to participate in other ongoing group and division activities. A willingness to work on materials problems relevant to the safety of the US nuclear weapons stockpile, and the ability to obtain a "Q" clearance which usually requires US citizenship are required. A background in microprobe, SEM/EDS, metallography, ceramography, and XRD operation and data analysis is desired. For technical inquiries, contact Richard Mason at (505) 665-4493 or rmason@lanl.gov.

A Ph.D. in Materials Science, Metallurgy, or Metallography completed within the last three years or soon to be completed is required. Annual starting salaries range from \$45,700 to \$49,300, plus a generous, comprehensive benefits package. Candidates may compete for a Director's Fellowship and outstanding candidates may be considered for the prestigious J. Robert Oppenheimer Fellowship (Starting salary \$70,000).

For consideration, submit TWO COPIES of a resume and publications list along with a cover letter outlining current research interests; the names, addresses and phone numbers of three references and one copy of university transcripts to: Postdoc programs, "PD983214", Los Alamos National Laboratory, MS P290, Los Alamos, NM 87545.

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EOE

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Department of Energy

RESEARCH ASSOCIATE PROFESSOR AND  
POST-DOCTORATE FELLOW  
Ceramic Engineering Department  
University of Missouri-Rolla

Applications for one Research Associate Professor and one Post-Doctorate Fellow in Ceramic Engineering are invited. Applicants must have earned a PhD degree or D. Sci in ceramic, engineering, materials science or a related field.

Responsibilities for the Research Associate Professor include carrying out and directing independent research in the area of electrical ceramics. This includes writing reports, publication of papers, making oral presentations of research results, directing research of graduate students, and preparation of research proposals.

Persons with a minimum of ten years experience in doing research in ceramic electronic materials and who can demonstrate qualifications through the publication of papers in the field of ceramic electronic materials will be considered.

Responsibilities for the Post-Doctorate in Ceramic Engineering include independently conducting experiments to develop and characterize oxide films and other ceramic materials, writing reports, and making technical presentations.

The deadline for accepting applications for these positions is **March 30, 1998**. Applicants should submit a personal resume and at least two letters to reference to:

Electronic Materials Applied Research Center  
University of Missouri-Rolla  
104 Materials Research Center  
Rolla, MO 65409-1240

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