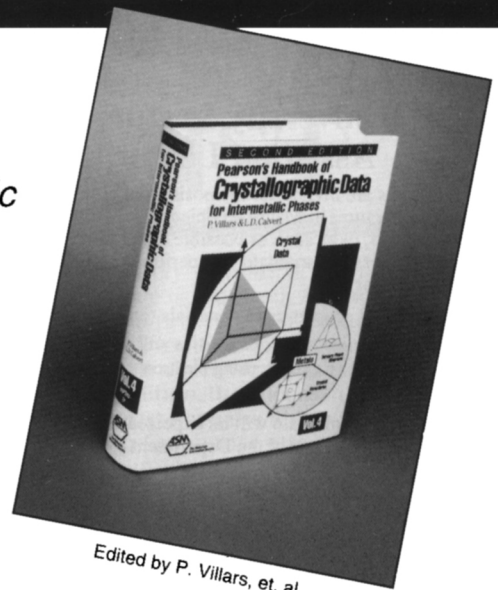


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FACULTY POSITION IN ELECTRONIC MATERIALS Department of Materials Science and Engineering University of Virginia

A tenure-track position of open rank is sought in the Department of Materials Science and Engineering at the University of Virginia in the area of electronic materials. The applicant is expected to have a doctorate in Materials Science and Engineering or a related field. The level of the position is not limited to a specified rank but preference will be given to the candidate who has outstanding potential for establishing an independent research program in the discipline of electronic materials. The applicant must be qualified to participate fully as a faculty member in the education and teaching of students at both the graduate and undergraduate levels. The successful candidate would be expected to develop new courses and establish a vigorous and interactive research program that builds on existing thrusts at the University of Virginia in atomistic and microstructural aspects of electronic materials.

In addition to a summary of educational and professional backgrounds and a list of current published work, applications should contain the names of at least three references who may be consulted by the search committee regarding the candidate. The appointment could be made in 1993, but the position will remain open until it is filled. Interested applicants should submit their information before **May 15** to:

Professor William A. Jesser, Chairman
Department of Materials Science and Engineering
Thornton Hall
University of Virginia
Charlottesville, VA 22903-2442

The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

Positions Available

University of Cambridge

DEPARTMENT OF MATERIALS SCIENCE AND METALLURGY

**University Lectureship/
Assistant Lectureship**

Applications are invited for the position of either Lecturer or Assistant Lecturer in Materials Science, to take up appointment in October 1993, or as soon as possible thereafter. It is anticipated that the successful candidate will perform research in one of the following areas:

- the electrical properties of materials (experiment or theory).
- modelling the structure, properties and transformations of materials (for example, using electron theory of molecular dynamics).

The successful candidate will be expected to contribute to the general teaching needs of the Department.

Salary will be on the scales (under review):

Lecturer £16,432 - £25,343
Assistant Lecturer £12,860 - £17,827

Applications, including a CV, list of publications, an outline of research plans and the names and addresses of three referees should be sent to Dr. M.F. Ingham, Secretary of the Appointments Committee, Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0HA, UK, before 30 April 1993. Further particulars may be obtained from Professor C.J. Humphreys, Department of Materials Science and Metallurgy, University of Cambridge, Pembroke Street, Cambridge CB2 3QZ, UK, (telephone 0223 334457; fax 0223 334437).



FACULTY POSITION

**Department of Materials Science and Engineering
The Ohio State University**

Applications are sought for a tenure-track faculty position effective September, 1993. The search is directed at the assistant or associate professor level, but appointments at the rank of professor will be considered.

A demonstrated potential for, or accomplishment in, the highest-quality research, scholarship, and teaching is required, along with a PhD in materials science and engineering or related technical area. The area of specialization is secondary to overall excellence.

Junior applicants should send transcripts and date of graduation or completion of postdoctoral position. All applicants should send their resumés and lists of five references (with fax and telephone numbers) by **April 30** to:

Faculty Search Committee
Department of Materials Science and Engineering
2041 College Road
Columbus, OH 43210

The Ohio State University is an Affirmative Action/Equal Opportunity Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

**POST-DOCTORAL POSITION
IN COMPUTATIONAL
MATERIALS SCIENCE**

**Sandia National Laboratories
California**

The Computational Materials Science Department at Sandia National Laboratories in Livermore, California has an opening for a postdoctoral appointment for a candidate with a background in computational materials science or a related field. The candidate will be expected to participate in projects aimed at an atomic-level understanding of materials properties. Some specific areas of interest include internal interfaces, in particular grain boundaries, nucleation and growth processes, and precipitate formation in alloys.

Candidates for this position should send a resumé (with names of references), copies of selected papers, statement of research interests, and uncertified copies of college transcripts to:

Dr. Stephen M. Foiles
c/o Marge York, Personnel, 8522-S24
Sandia National Laboratories
Livermore, CA 94551-0969

Deadline is **May 15, 1993**.

U.S. Citizenship is required. Sandia National Laboratories is an Equal Opportunity Employer M/F/V/D.

**FACULTY POSITION
MATERIALS SCIENCE
AND ENGINEERING**

Pennsylvania State University

The Department of Materials Science and Engineering at Penn State is seeking applicants to fill a tenure-track position in The Metals Science and Engineering Program, preferably at the assistant professor level. Preference will be given to candidates with a strong interest and expertise in thermodynamics, kinetics, and transport phenomena utilizing both experimental and theoretical/modeling approaches to the processing and properties of materials. The candidates must have demonstrated a strong *academic record*, an *outstanding potential* for independent research, and a commitment to teaching both undergraduate and graduate students. Qualified minority and female candidates are encouraged to apply. Please send curriculum vitae with a list of publications, names of at least three references, and information on research and career interests by **May 15, 1993** to The Faculty Search Committee, Metals Science and Engineering, 208 Steidle Building, University Park, PA 16802.

Penn State is an equal opportunity/affirmative action employer.

**TENURE-TRACK
FACULTY POSITION**

Massachusetts Institute of Technology, Department of Mechanical Engineering, invites applications for a tenure-track faculty position. Applicants should hold a doctorate in mechanical engineering or a related field, and have a strong interest in teaching and research in the area of SURFACE ENGINEERING AND TRIBOLOGY. Candidates should preferably have a combined experimental and theoretical research experience. Outstanding candidates for appointments at all levels (non-tenured Assistant/Associate Professor or tenured Associate/Full Professor) will be considered. Applicants should send a resumé, a one- to two-page statement of current and future research interests, and the names and addresses of at least four references to:

Surface Engineering and Tribology
Search Committee
Room 3-173
Department of Mechanical
Engineering
Massachusetts Institute of
Technology
77 Massachusetts Avenue
Cambridge, MA 02139-4307
Resumés received by **May 15, 1993**, will be given full consideration.

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Positions Available

平成6年度 基礎科学特別研究員 の公募について

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5. 待遇等/
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 - ②通勤費/実費(上限40千円/月)
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 以上のほか、研究費として1,380千円/年程度
6. 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
7. 応募願書の提出締切/平成5年6月15日(火)【必着】
応募したい方は平成5年6月1日(火)迄に下記にお問い合わせ下さい
理化学研究所研究業務部基礎科学特別研究員制度担当
〒351-01 埼玉県和光市広沢2番1号
電話 048-462-1111 内線 2451、2452
(直通 048-463-3687)
FAX: 048-462-1554 又は 048-462-4608
8. その他/本件は関係予算の成立を前提としており、その事情により変更がありますので、その旨御承知おき下さい

Positions Wanted

Faculty or Postdoctoral/Research Position in Industrial/Academic R&D in Processing Development and Characterization of Materials: BS, MS and PhD in Metallurgical Engineering with several years of diversified experience. Background in rapid solidification, phase transformation, electron microscopy, heat treatment, powder metallurgy, vapor deposition casting, ceramic superconductors, and high velocity forming. Several publications. Salary and location open. Please reply to **Box XVIII, No. 401**.

Materials Scientist seeks R&D job. MS degree, 10 years experience in materials science, familiar high vacuum system, high-pressure and high-temperature processes and many instruments—FTIR, SEM, X-ray, EPR, Raman. Strong background in crystal growth, materials metallurgy, physics of high T&P, kinetics of gas phase reaction and computer modeling. Please reply to **Box XVIII, No. 402**.

TO REPLY TO BOX NUMBER, WRITE:

Box _____, No. _____, c/o MRS Bulletin
Materials Research Society
9800 McKnight Road
Pittsburgh, PA 15237

MATERIALS CHEMIST

The Oak Ridge National Laboratory (ORNL), a recognized leader in multidisciplinary research, development and technical application of advanced materials, is seeking a senior scientist to lead a fundamental research group in the Chemistry Division. The group's programmatic emphasis is on defining and investigating innovative chemical synthetic procedures for novel inorganic materials with useful optoelectronic, superconducting, mechanical or other technological properties.

The successful candidate will initiate new research efforts and integrate these with established activities to form a cohesive and interactive advanced materials chemistry program. Current research activities emphasize novel synthesis and characterization of ceramic materials in various morphologies, including preparation of surface-modified materials. Opportunities exist to interact with a broad range of materials scientists at ORNL, and to obtain access to a comprehensive set of characterization techniques.

A PhD in chemistry or closely related discipline with approxi-

mately 10 years of R&D experience is required. An established and proven record of successful and innovative research in materials chemistry is necessary. In addition, the successful candidate must have the ability to motivate and supervise others. Excellent communications skills are essential. Prior experience interfacing with sponsors is also sought.

ORNL is a multi-purpose research facility managed by Martin Marietta Energy Systems, Inc., for the US Department of Energy. ORNL offers a competitive compensation and benefits package, including a relocation package. For immediate consideration, send your resume, publications record and statement of interest to:

J.L. Trimble
Oak Ridge National Laboratory
Dept. MRS-04
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ORNL is an equal opportunity employer committed to building and maintaining a diverse workforce.

Positions Wanted

Organic/Polymer Chemist: PhD Organic Chemistry. 2 yrs. industrial experience: R&D polyimide materials, microelectronic applications. Polymer/monomer synthesis, polyimide film/lithographic processing. Modification polymer properties: polyimide blends, copolymers. Extensive practical experience polymer characterization. Instrumentation: FT-IR, FT-NMR, GC/MS, GPC/LC, HPLC, UV, TMA and Instron. Seeks chemistry-related R&D position including synthetic organic/polymer chemistry and structure-property-processing relationships. Please reply to **Box XVIII, No. 403**.

Send BULLETIN News to:

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