

OCTOBER 1987

- 18-22 Electrochemical Society Fall Meeting
Honolulu, HI
Electrochemical Society, 10 S. Main St., Pennington, NJ 08534-2896
- 19-23 Optical Society of America Annual Meeting
Rochester, NY
OSA, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-8130
- 20-23 Symposium on Applications of Small Accelerators
Beijing, China
Prof. Zhong-lie Wang, Institute for Low Energy Nuclear Physics, Beijing Normal University, Beijing, China
(See related article in Vol. XI No. 5)

NOVEMBER 1987

- 2-6 Meeting of the Division of Plasma Physics of the APS
San Diego, CA
W.W. Havens, 335 E. 45th St., New York, NY 10017
- 2-6 34th National Vacuum Symposium of the American Vacuum Society
Anaheim, CA
N. Hammond, American Vacuum Society, 335 E. 45th St., New York, NY 10017; (212) 661-9404
- 30-4 **MRS** Materials Research Society Fall Meeting
Boston, MA
Anne Wagner, Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, PA 15237; (412) 367-3003

DECEMBER 1987

- 16-18 Solid State Physics Conference
Bristol, UK
IOP, 47 Belgrave Sq., London SW1X 8QX, UK; 01-235-6111

MRS**CLASSIFIED****Positions Available**

FACULTY POSITION
University of California,
Los Angeles

The Department of Materials Science and Engineering at the University of California, Los Angeles, seeks applicants for a Faculty position in the area of Composite Materials beginning in April 1987.

Candidates must have demonstrated exceptional originality and ability through graduate studies (an earned PhD degree) or research beyond the PhD of significant familiarity. A background with the various areas of materials science, including metallurgy, ceramics, polymers and electronic materials, is highly desirable. Sound communication skills are essential and demonstrated quality in teaching will be very favorably regarded. The minimum annual salary is \$38,800. Outstanding candidates for a senior level will also be considered, but preference will be given to applicants at the Assistant Professor level. Qualified minority and female candidates are encouraged to apply. Please send curriculum vitae with a list of publications, names of three references, and information on research and career interests to:

The Faculty Search Committee
Department of Materials Science and Engineering
6531 - Boelter Hall
University of California
Los Angeles, CA 90024

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**ELECTRONIC MATERIALS
AND DEVICES**
at the
University of Washington
Seattle, Washington

Faculty positions at the level of Associate or full Professor are available at the University of Washington, Seattle, Washington, for scientists and engineers active in the area of epitaxial growth and/or devices and device physics with an emphasis on compound semiconductors.

The ideal candidate will have established work in epitaxial growth with MBE emphasis and/or devices and fabrication, with an interest in integrated optoelectronics, device physics, and characterization. Candidates are expected to possess a distinguished record of national and international leadership with outstanding research publications, a proven record of funded research, and an interest in teaching at both the graduate and undergraduate levels. This position involves interaction between the Department of Electrical Engineering and the Department of Materials Science and Engineering and may involve a joint appointment, as appropriate for the successful candidate's background and interests. To apply, please send a letter of application, resume, list of publications and names of three references to:

Robert P. Porter, Chairman
Electrical Engineering Department,
FT-10
University of Washington
Seattle, WA 98195

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Positions Available

**THE
OHIO STATE
UNIVERSITY**

**Faculty Positions
in Ceramic Engineering**

The Department of Ceramic Engineering of the Ohio State University invites applications from outstanding candidates for tenure track positions at the Assistant to full Professor levels. A doctorate in ceramic or materials science or engineering or a related discipline is required. A candidate will be expected to develop a strong individual and interactive research program with the rapidly expanding research efforts within the Department and the University's overall materials research efforts. In addition, he or she will be expected to teach and develop both undergraduate and graduate courses within the Department.

A resume, publication list, and names of three potential references should be sent to:

Professor D.W. Readey
Department of Ceramic Engineering
The Ohio State University
2041 College Road
Columbus, Ohio 43210

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**DOCTORAL AND
POSTDOCTORAL RESEARCH
IN MATERIALS SCIENCE**

**at
Thayer School of Engineering
Dartmouth College**

Opportunities exist for doctoral and for postdoctoral research on the structure and mechanical properties of intermetallic compounds and of ice and on the metallurgy of thin films. Facilities include a well equipped center for electron microscopy, a mechanical testing laboratory and a unique Ice Research Laboratory. Qualified candidates with backgrounds in either materials science, physics, or the engineering sciences are invited to apply to:

Professor E.M. Schulson
Thayer School of Engineering
Dartmouth College
Hanover, New Hampshire 03755
(603) 646-2888

DARTMOUTH COLLEGE

**Thayer School of
Engineering**

Materials Science

The Thayer School of Engineering at Dartmouth College invites nominations and applications for a junior tenure track position in materials science. Applicants should have a doctorate in engineering and be able to conduct research in at least one of the following areas: transmission electron microscopy; the structure and properties of advanced ceramics or novel engineering materials; the packaging of electronic materials; and biomaterials. Candidates must be able to teach effectively at both the undergraduate and graduate levels and develop a strong research program within an interdisciplinary engineering environment. Formal collaboration exists with the Dartmouth-Hitchcock Medical Center, IBM-Burlington, and the Corps of Engineers Cold Regions Research and Engineering Laboratory.

Opportunities exist for collaborating in ongoing research on the structure and mechanical properties of intermetallic compounds and ice, on the structure of thin films, and on the design of prosthetic devices. Facilities include a modern electron microscopic center (fully equipped JEOL-2000FX TEM, fully equipped JSM-35C SEM, other TEMs and SEMs), mechanical testing equipment, a unique Ice Research Laboratory, and a wide range of computers.

The Thayer School was founded in 1867 and functions as both the Engineering Sciences Department of Dartmouth College and a graduate professional school. The School will be undergoing a significant expansion in facilities and faculty over the next five years. The Thayer School offers programs leading to the degrees of Master of Engineering, Master of Science, Doctor of Engineering, and Doctor of Philosophy. All departments in the Science Division of Dartmouth College offer graduate programs through the PhD degree, and support the needs of engineering students in applied science.

Dartmouth College is located in a small New England town at the junction of the Connecticut River and the Appalachian Trail, in an area noted for excellent outdoor opportunities. Cultural activities revolve around the Hopkins Center for the Performing Arts, the Hood Museum of Art, and numerous local music and theater groups. Hanover is served by a local airport with service to Boston and New York, rail, and interstate highways. Interested persons should submit a resume and names of 3 references to:

Prof. John W. Strohbehn
Thayer School of Engineering
Dartmouth College, Hanover, NH 03755
Review of applications will begin in March, 1987.

Dartmouth is an equal opportunity/affirmative action employer and encourages applications from women and members of minority groups.

**CLASSIFIED
INFORMATION**

- *Positions available*
- *Positions wanted*
- *Professional services*

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Contact: Mary Kaufold, MRS BULLETIN, Materials Research Society,
9800 McKnight Road, Suite 327, Pittsburgh, PA 15237;
telephone (412) 367-3012

Positions Available

UNIVERSITY OF MISSOURI-ROLLA
Materials Engineering and Science Faculty Positions

As part of a long-range plan to expand its educational and research programs in materials engineering and science, the University of Missouri-Rolla invites applications for two tenure-track positions at the associate or full professor level. Rank and salary will be commensurate with qualifications. Applicants should possess a PhD in an engineering or science discipline and have research experience in either high-temperature composites or solid-state electronic materials. Preference will be given to applicants with degrees in electrical, mechanical, aerospace, engineering mechanics, or materials engineering; industrial experience is also desirable. Major responsibilities will be teaching (25% time) in the applicant's academic department and participation (75% time) in the multidisciplinary research program of the Graduate Center for Materials Research. The ability to undertake research in composite or electronic materials and to attract external funding is required. The preferred starting date is 15 August 1987. The initial screening of applicants will begin 31 March 1987, although applications will be accepted until the positions are filled. Applications from women and minorities are especially encouraged. Applicants should send a resume and the names and telephone numbers of four references to Dr. Delbert E. Day, Director, Graduate Center for Materials Research, University of Missouri-Rolla, Rolla, MO 65401.

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RESEARCH POSITIONS
University of Missouri-Rolla

Applications are sought for openings that are anticipated in the next six months for postdoctoral fellows, research assistant professors, research engineers/aides. Applicants should possess a PhD degree in materials science/engineering or related disciplines such as physics, chemistry, ceramic, metallurgical, or chemical engineering. Preference will be given to persons with relevant materials research experience. Rank and salary will be commensurate with qualifications. Applicants should send their current resume and three letters of reference to: Director, Graduate Center for Materials Research, University of Missouri-Rolla, Rolla, MO 65401.

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RESEARCH SCIENTIST



We're an international Fortune 200 company, conveniently located in Central New Jersey. Due to the expansion of our research efforts, we're seeking an accomplished Scientist to join our new business Research and Development organization.

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If you'd like to become an integral part of our team effort developing new technologies, and would like a very competitive salary and comprehensive benefits package, send your resume, indicating salary history and requirements, to: **Manager of Placement, Dept MQ2, Engelhard Corporation, Menlo Park, CN40, Edison, New Jersey 08818.** We are an equal opportunity employer M/F/H/V.

ENGELHARD

RESEARCH FACULTY
Materials Science and Engineering

Research faculty positions are available at the University of Washington in areas related to electronic materials characterization and growth, electronic device fabrication, ceramic processing, ceramic/polymer and ceramic/metal composites, surface/interface analysis and theoretical modelling. Research positions are available as research associates or at assistant, associate, or full professor ranks depending on qualifications and experience; these may be joint appointments with EE or ChE if appropriate for the candidate's research background. These positions depend on research funding for support and do not carry academic tenure, but can involve teaching and student supervision, depending on interest. Please submit a full curriculum vitae with publications list and, for higher level positions, a history of research activities and funding to:

Thomas G. Stoebe
 Acting Chairman
 Materials Science and Engineering
 University of Washington
 Seattle, Washington 98195

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POSTDOCTORAL POSITION
University of Pennsylvania

Applications are invited for a postdoctoral position to carry out theoretical studies of lattice defects in intermetallic compounds. The work involves computer simulation of the structures and properties of antiphase boundaries, stacking faults, dislocations, and grain boundaries using molecular statics and dynamics. An integral part of this research is the development of methods of total energy calculations employing the embedded atom, tight-binding, linearized muffin tin orbitals as well as density functional theory methods. Qualifications: PhD in physics or materials science. Starting date as early as convenient. Appointment is originally for one year with the possibility of extension for another year. Send resume and two references to: Professor V. Vitek, Department of Materials Science and Engineering, University of Pennsylvania, Philadelphia, PA 19104.

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