

Position Wanted

Polymer Materials Scientist

PhD experienced in solid state of polymers. Successful in problem solving and applications of polymers to electronics. Publications and patents on: surface modification, XPS, ESCA, composite materials, microelectronics, polymer properties. Seeking management or senior research position with opportunity to publish. Telephone: (609) 924-6146 or Box XI/2/1, MRS.

Positions Available

**UNIVERSITY OF CALIFORNIA, SAN DIEGO
Department of Electrical Engineering
and Computer Sciences**

Applications are invited for a tenure-track Assistant Professorship in Electrical Engineering beginning in winter 1986. The start date may be flexible. Candidates should have a PhD degree with a strong interest in material characterization. Familiarity with analytical tools such as transmission electron microscopy including lattice imaging techniques, Auger electron spectroscopy, electron energy loss spectroscopy, ion microprobe and deep-level transient spectroscopy are highly desirable. The candidate should also have a strong background in device physics and device processing. Salary is commensurate with qualifications based upon UC pay schedules. All applications received by September 15 will receive full consideration. Interested applicants should send a detailed resume and the names of at least three references to: Professor Laurence B. Milstein, Chair, EE&CS, C-014, UCSD, La Jolla, CA 92093.

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

MATERIALS SCIENTISTS

North Texas State University has an immediate requirement for three materials research scientists to lead in the development of a Center for Materials Characterization. These are tenure-track positions; salary and rank commensurate with experience. Requires PhD in materials science, chemistry, physics, biology, mathematics, computer science, engineering, industrial technology, or another area strongly coupled with materials science. Must have demonstrated ability to obtain extramural funding and to interact successfully with industry.

Applications will be accepted until positions are filled. Letter of application, resume, and names of three references should be sent to the Chair of Materials Research Committee, Office of Research and Academic Grants, Box 5396, NT Station, Denton, TX 76203. Phone (817) 565-3940.

*NTSU is an Equal Opportunity,
Affirmative Action Employer.*

**MATERIALS
SCIENCE FACULTY**

MIT Department of Materials Science and Engineering has several openings for junior faculty in 1986-87 involving teaching and research in areas noted below:

- **Electronic Materials**
- **Mechanical Metallurgy & Composite Materials**
- **Polymer Physics**
- **Chemical Processing of Materials**

Doctorate required and experience desirable. Salaries and benefits competitive. Positions will be filled only if exceptional candidates are found. Send resume (include citizenship and/or visa status), publications list and references to Professor Merton C. Flemings, Head, Department of Materials Science and Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139. MIT is an equal opportunity/ affirmative action employer.

MIT

**CLASSIFIED
INFORMATION**

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

Call today to place your ad
in the next issue.

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

Positions Available

**ALLIED-SIGNAL ENGINEERED
MATERIALS RESEARCH CENTER
Ceramic Scientist/Engineer**

The Allied-Signal Engineered Materials Research Center has an immediate requirement for a ceramic/scientist engineer to study synthesis and processing of advanced ceramic materials for electronic and high-temperature structural applications. The scientist will have full research responsibility and will be called upon to generate and implement creative research ideas in ceramics. Strong problem solving skills are required as are excellent written and verbal communication skills. The scientist will be part of a multidisciplinary team and will deal extensively with other professionals in chemistry, materials, and surface science at the Research Center and throughout the Allied-Signal organization.

A PhD in Ceramics, Materials, or Metallurgy and research experience in structure-processing-property relationships for ceramics is required.

Our Research Center offers broad technical challenge, high visibility and outstanding dual ladder career growth opportunities with excellent salaries and a highly competitive benefit package.

For further information, please send curriculum vitae to Walter R. Bauldrick, Director Human Resources, Allied-Signal Engineered Materials Research Center, 50 E. Algonquin Road, Box 5016, Des Plaines, Illinois 60017-5016.

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**ALLIED-SIGNAL ENGINEERED
MATERIALS RESEARCH CENTER
Metallurgist**

The Allied-Signal Engineered Materials Research Center has an opening for a PhD Metallurgist or Materials Scientist to conduct experimental research in support of development of new copper and other nonferrous alloys for applications in the electronics and aerospace industries. The ideal candidate would have a demonstrated understanding of the technical issues involving rapid solidification processing, methods for alloy characterization, powder metallurgy methods, deformation processing and alloy chemistry. An additional aspect of the position is the opportunity to consult and become involved in solving a wide range of materials problems including failure analysis and short-term development efforts for our operating divisions. The person selected would become a highly visible part of an established multidisciplinary team working on materials development projects that are important to the Divisional and Corporate objectives of the Allied-Signal Companies.

Our Research Center offers broad technical challenge, high visibility and outstanding dual ladder growth opportunities with excellent salaries and a highly competitive benefit package.

For further information, please send curriculum vitae to Walter R. Bauldrick, Director Human Resources, Allied-Signal Engineered Materials Research Center, 50 E. Algonquin Road, Des Plaines, Illinois 60017-5016.

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AUSTRALIA
CSIRO
**DIVISION OF MATERIALS SCIENCE
AND TECHNOLOGY**
CHIEF OF DIVISION
CLAYTON, VICTORIA

CSIRO, the Australian Commonwealth Scientific and Industrial Research Organization, has recently amalgamated its Divisions of Materials Science and Chemical Physics to form a new Division of Materials Science and Technology. The two Divisions occupy a modern laboratory in the Melbourne suburb of Clayton, and have a total staff of about 200, including about 70 research scientists and 45 other professionals. The Divisional budget is about \$A9 million p.a. The new Division will remain a part of the CSIRO Institute of Physical Sciences.

The new Chief should be a scientist or engineer with a distinguished record of personal research and research management in the materials field and a commitment to the active transfer of research results to industry. Experience in industrial research and development would be an advantage. Existing programs are in fields including advanced ceramics, catalysis, ion-solid interactions, surface science, electron microscopy, electron and x-ray diffraction, and optical spectroscopy. The Chief will have responsibility for reorganising this work and introducing appropriate new areas to achieve a coherent materials program.

Appointment to CSIRO is for an indefinite period and the appointee will hold the position of Chief initially for a term of seven years, after which there will be an option for a further term as Chief, if mutually desired, or for a senior research position in the Organization. The salary will be in the range \$A62,252 to \$A67,912 p.a. plus an expenses of office allowance of \$A1,900 p.a. and the appointee will be eligible for the substantial benefits of membership of the Australian Government Superannuation Scheme, subject to normal conditions.

Further information is available from Dr. N.H. Fletcher, Director of the Institute of Physical Sciences, and Chairman of the Search Committee. Applications, which should give full personal and professional details and the names of at least three professional referees, should be directed to:

The Director
CSIRO Institute of Physical Sciences
PO Box 225, DICKSON ACT 2602
Australia

Telephone: (062) 48-4613
Telex: 62003
Fax: (062) 47-3832

Closing date — **July 18, 1986.**
CSIRO is an Equal Opportunity Employer