

UPCOMING CONFERENCES

U.S. to Host Martensite Conference, ICOMAT-92

For the first time since 1979, the United States will be the site of the International Conference on Martensitic Transformations. Previous conferences were held in Australia, Belgium, Japan, and the U.S.S.R. ICOMAT-92 will be held July 20-24, 1992 in Monterey, California, with activities being held at the Naval Postgraduate School and the Hyatt Regency Monterey Resort and Conference Center.

More than 300 persons from some 15 countries worldwide are expected to attend the conference, which will recognize that martensite has taken on new dimensions via transformation toughening of ceramics and cermets, ferroelectrics, commercial shape memory alloys, high-temperature superconductors, and new bainitic steels. ICOMAT-92 will strongly

emphasize the fundamentals, but significant attention will also be given to applications of martensitic transformations.

Contributions are being solicited on the following topics: physics of martensitic transformations, mathematical modeling of martensitic transformations, ferrous martensites, shape memory and transformation plasticity, ceramics, high T_c superconductors, bainitic transformation, pre-martensitic phenomena, crystallography, microstructure, mechanisms, martensite in "other" materials, properties of martensites and martensitic materials, and applications of martensitic transformation. Abstracts are due before July 1, 1991, and acceptance notifications will be given by September 1, 1991.

C. Marvin Wayman of the University of Illinois is the chairman of the conference, which is endorsed by the Materials Re-

search Society. Greg B. Olson, Northwestern University, is the vice chairman, and Jeff Perkins, Naval Postgraduate School, is in charge of the secretariat.

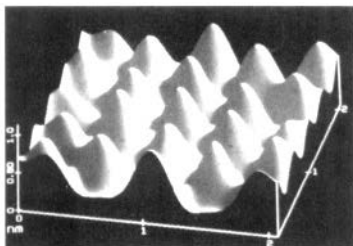
The conference program will be composed of four 90-minute presentation periods per day (with Wednesday afternoon reserved for a conference tour). Two parallel sessions will be held in adjacent lecture halls so that 36 90-minute sessions can be conducted. There will also be a series of keynote lectures, an author-optional poster display, a metallographic exhibition, an applications exhibition, and a video session. Awards will be presented for the most effective oral presentations.

Contact: Prof. Jeff Perkins, c/o ICOMAT-92, Department of Mechanical Engineering, Mail Code ME/PS, Monterey, CA 93943; telephone (408) 646-2216; fax (408) 646-2761. □

Equipment Exhibit at the 1990 MRS Fall Meeting...see p. 86

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MICA ATOMS: Viewed with Atomic Force Microscope

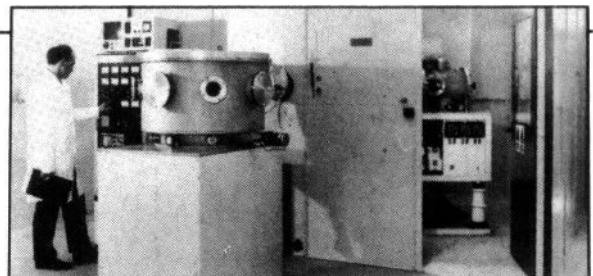
Surface analysis and roughness done on ceramics, metals, polymers, semiconductors. **Typical applications:**

Sputtered and plated surfaces	Polished surfaces
CVD and ion implantation	Integrated circuits
Computer disks and tapes	Laser disk stamper
Nano machined surfaces	Diffraction gratings

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