

# MRS International Activities



*MRS International Relations subcommittee meets with representatives of Australia, China, France, Germany, Great Britain, India, Italy, Japan, Mexico, and the United States.*

The continued growth in membership and activities of the Materials Research Society in the United States mirrors an international growth in materials research societies and meetings abroad. During the 1987 Fall Meeting in Boston, the International Relations Subcommittee (chaired by Bob Chang of Northwestern University) of the MRS External Affairs Committee met with representatives of Australia, China, France, Germany, Great Britain, India, Italy, Japan, Mexico, and the United States. Kathy Taylor, 1987 MRS president, took this opportunity to review the structure and activities of the Materials Research Society and to introduce the 1987 officers. This is an exciting time for international efforts because Bob Chang, who has played an important role in organizing cosponsored MRS meetings in Japan and China, will also be president-elect of MRS in 1988. Representatives from different materials research societies and the participating countries presented summaries of their previous and future activities.

Prof. Paul Siffert, president of the European-Materials Research Society, reported that E-MRS has obtained its official charter with the support of the European Community and the European Council. E-MRS sponsors short courses in conjunction with its meetings and special Summer courses. This Summer, May 15-21, E-MRS will co-sponsor a NATO Advanced Study Institute, "Heterostructures on Silicon," in Corsica. In 1988, E-MRS will hold its annual meeting with four symposia: A—Ceramics Materials Research; B—Photon, Beam and Plasma

Assisted Processing; C—Deep Implantations: Fundamentals and Applications; D—Preparation and Properties of Metastable Alloys. The meeting will be held in Strasbourg, France, May 31-June 3. The European organizers expect attendance of 700-800. There are plans for a Fall meeting, November 7-10, with two symposia: A—Superconductors; and B—New Magnets. Prof. Siffert reported that E-MRS is closely tied to the structure of the European Community through small groups that form "networks" which cross international boundaries. These networks are the source of substantial funding from the EC for research in materials science.

MRS will cosponsor a meeting in Europe, the 12th meeting of the symposium on the Scientific Basis for Nuclear Waste Management in Berlin, October 10-13. This is the third time this symposium has been held in Europe. In 1982 it was held in Berlin, and in 1985, in Stockholm. At the most recent MRS Council meeting, approval was given to hold the symposium in France in 1991. Dr. Werner Lutze of the Hahn-Meitner Institute in Berlin reported that all arrangements for the 1988 meeting have been completed, and he expects an attendance of between 200-300.

From the circum-Pacific area, Dr. Robert Elliman reported on activities in Australia, where there is a small but active community of materials scientists. CSIRO has created a new Division of Materials Technology, and the Australian National University is establishing a major effort in electronic materials. Despite these activities, Dr. Elliman felt that Australia is still 12-18 months away from creating an

MRS-type society.

Dr. Wu, the deputy general director of the Materials Research Laboratories of the Industrial Technology Research Institute in Taiwan, reported on meeting activities there. Most of the meetings were held through the auspices of the Chinese Society of Materials Science and 12 other organizations which promote materials science research. Although the meetings covered a wide range of topics from minerals and mining to metal casting and polymers, electronic materials figured prominently in the meeting topics.

Professor Heng De Li, director of the Department of Materials and Engineering Sciences of the National Natural Science Foundation of China in Beijing, presented the preliminary program for the C-MRS meeting to be held in Beijing in June 1990. The meeting will include 16 symposia with topics including high temperature superconductors, thin films, functional polymers, biomedical materials, and the mechanical behavior of materials. The meeting will be cosponsored by MRS, E-MRS, the China Association for Science and Technology, and the Joint Committee of Societies for Materials in China. The meeting chairs will be Prof. Yan Dongsheng of the Chinese Academy of Sciences and Prof. Shi Changxu of the National Natural Science Foundation of China.

In Japan, Prof. Sōmiya described the plans for the MRS International Meeting on Advanced Materials to be held in Tokyo May 30-June 3. The meeting will include 21 symposia covering materials topics from ordered polymers, cements, superplasticity, and superconductivity to powder preparation, as well the now traditional Symposium X on Frontiers in Materials Science and Engineering, organized by Professors R. Roy, M. Doyama, and S. Sōmiya. At the meeting 10 awards will be made for outstanding technical presentations by young scientists and engineers under the age of 30. MRS will publish the proceedings from this meeting. Prof. Gamo of Osaka University presented details of the 6th International Conference on Ion Beam Modifications (IBMM) and the International Conference on Electronic Materials during the week of June 12 at the same location in Tokyo. MRS will co-sponsor both meetings. At present, IBMM alone already has 466 pre-registrants from 14 countries. Prof. T. Takagi of Kyoto University described the 7th International Conference on Ion Implantation Technology (ITT'88). The superb organization of this great number of meetings by the Japanese hosts will provide a varied and scientifically substantial plate from which to sample materials sci-

ence research in Japan.

Dr. Subhash Kanetkar of the Department of Physics at the University of Poona in India reported on the prospects of an MRS-type society in India. He presented a letter from Prof. C.N.R. Rao stating that in January of 1988 there will be a National Congress where Prof. Rao anticipates an India-MRS will be founded. Prof. Rao looks forward to the first MRS meeting in January of 1990 at the close of the annual National Congress meeting.



Prof. H.D. Li describes the C-MRS meeting planned for Beijing in June 1990.

Dr. René Asomoza, president of the Mexican Surface Science Society, reported on the growing materials science community in Mexico which is already having one to two meetings a year with an attendance of approximately 100. He is interested in combining or expanding these meetings into MRS-type meetings and asked for help and advice in this effort.

From the reports of the foreign representatives, it is clear that the MRS idea has spread quickly and successfully. Woody White, former president of MRS, reviewed a number of mechanisms by which these international activities could be organized and coordinated. There was a clear consensus that these international activities require the formation of an International Committee. The structure and operation of the committee was the subject of extended discussion, and a working committee with representatives from all the countries present was appointed to draft a charter for the International Committee. The draft charter will be discussed at the 1988 MRS Spring Meeting, the MRS Meeting in Japan, and the E-MRS Meeting in Strasbourg. The goal is to have a charter ready for adoption at the 1988 MRS Fall Meeting in Boston. The efforts reported here are just the first step in establishing a worldwide community of materials scientists joined in common efforts and activities. All the participants acknowledged the role of the MRS BULLETIN in serving as a principal means of communication among these materials research societies. MRS

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## SHORT COURSE PROGRAM

1988 MRS Spring Meeting ■ Reno, Nevada  
Courses Scheduled April 5-10, 1988

Conventional and High-Temperature Superconductors  
Optoelectronic Materials, Processes, and Devices  
Liquid Phase Epitaxy Techniques  
Molecular Beam Epitaxy  
Vapor Phase Epitaxy  
Film Formation, Adhesion, and Surface Preparation  
Implantation, Diffusion, and Rapid Thermal Processing  
Sol-Gel Processing of Glass  
Plasma Etching for Microelectronic Fabrication  
Ion Beam Processes for Materials Modification  
Microelectronic Packaging: Materials, Processing, and Reliability  
Electron Microscopy of Thin Films

Surface and Thin Film Analysis  
Characterization and Properties of Films, Coatings, and Surfaces  
Application of Reflection Electron Diffraction to Epitaxial Growth  
Deep Level Transient Spectroscopy  
Amorphous Semiconductor Materials and Devices  
Ceramic and Metal-Matrix Composites  
Characterization of Powders and Porous Materials  
IC Failure Mechanisms and Analytical Techniques  
Scanning Tunneling Microscopy: Theory and Practice  
Scanning Electron Microscopy and X-Ray Microanalysis  
Optical and Laser Techniques for Semiconductor Dry Process Diagnostics

For details see the 1988 MRS Spring Meeting Preliminary Program mailed to all MRS members.