

Materials Research Society of India Holds Second Annual General Meeting

The New Delhi Local Chapter of MRS-I hosted the Second Annual General Meeting of the Materials Research Society of India at the National Physical Laboratory, New Delhi, February 9-10, 1991. The meeting was attended by 275 participants from more than 60 organizations. Prof. E.C. Subbarao of Tata Research, Design and Development Centre, Pune, delivered the honor lecture, "A Second Ceramic Age - A New Materials Frontier."

In an inaugural address, Prof. C.N.R. Rao, president of MRS-I, traced the history of the Society since its inception in 1989, noting the tremendous response of the community of materials scientists in India to the Society. He announced that MRS-I had become one of the Founding Adhering Bodies of the International Union of Materials Research Societies. He emphasized, though, that Indian materials scientists should have their roots in India and solve critical materials and processing needs for India. Rao suggested that several one-day workshops/meetings on specific topics in materials science could be arranged by the regional chapter chairs and subject group chairs. Sixteen of the seventeen MRS-I Medal recipients for the year also delivered lectures.

Two poster sessions, attracting lively participation, displayed 91 poster papers covering superconductors, electronic materials, building materials, metals and alloys, ceramics, polymers and composites. Four posters were selected for best poster prizes.

MRS-I Medal Lectures 1991

"Twinning Ways," S. Ranganathan, Indian Institute of Science.

"Recent Neutron Scattering Studies of High T_c Superconducting Materials," A.H. Sequeira, Bhabha Atomic Research Centre.

"Synthesis and Processing of Materials under High Pressure and Temperature," A.K. Singh, National Aeronautical Laboratory.

"Study of Some Pressure-Induced Phase Transitions," A.K. Sikka, Bhabha Atomic Research Centre.

"Synthetic Solid State Chemistry: A Challenging Area of Research in Materials Science," J. Gopalakrishnan, Indian Institute of Science.

"Electrical Conductivity and Dielectric Properties of Polyelectrolyte Complexes of

Polysaccharides," R. Srinivasan, Indian Institute of Technology.

"Novel Liquid Crystalline Materials," S.K. Sadashiva, Raman Research Institute.

"Carbon Fibers and Their Role in C/C Composites," O.P. Bahl, National Physical Laboratory.

"Structure Engineering in Polymeric Materials," V.M. Nadkarni, National Chemical Laboratory.

"Role of Grain Boundary Liquid in the Properties of Dense Silicon Nitride," J. Mukherji, Central Glass and Ceramic Research Institute.

"Recent Advances in Compound Semiconductors," D.N. Bose, Indian Institute of Technology.

"Materials for Infrared Detectors," A.K. Sreedhar, Solid State Physics Laboratory.

"Hydrogenated Amorphous Silicon and Its Alloys as Photovoltaic Materials," A.K. Barua, Indian Association for Cultivation of Science.

"Processing of Multilayer Ceramic Devices," H.S. Maiti, Central Glass and Ceramic Research Institute.

"Rare Earth Extractive Metallurgy," C.K. Gupta, Bhabha Atomic Research Centre.



MRS-I President Prof. C.N.R. Rao (left) presents the Distinguished Materials Scientist of the Year Award to Prof. E.C. Subbarao.

"Dislocation Dynamics Studies in Austenitic Steels Using Acoustic Emission as a Probe," P. Rodriguez, Indira Gandhi Centre for Atomic Research.

"From Brittle Intermetallic to an Engineering Alloy," D. Banerjee, Defence Metallurgical Research Laboratory. □



MRS-I medal winners and other honorees with the MRS-I President C.N.R. Rao and Vice President V.S. Arunachalam. First row (L to R): G. V. Subbarao (superconductivity prize recipient), H.S. Maiti, P. Rodriguez, A.H. Sequeira, O.P. Bahl, D.N. Bose, C.N.R. Rao, E.C. Subbarao (Distinguished Materials Scientist of the Year), S. Ranganathan, V.M. Nadkarni, S.K. Sikka. Second row (L to R): S.K. Sadashiva, A.K. Singh, J. Gopalakrishnan, K.T. Jacob (best paper published in Bulletin of Materials Science), D. Banerjee, V.S. Arunachalam, A.K. Sreedhar, A. V. Narlikar (superconductivity prize recipient).