

PREFACE

The International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials, ISMANAM-2001, was held at the University of Michigan in Ann Arbor, Michigan, USA during 24-29 June, 2001. The symposium follows a series of ISMANAM symposia previously held in Kyoto, Grenoble, Quebec, Rome, Sitges (Barcelona), Wollongong, Dresden and Oxford. Approximately 140 participants from 29 countries attended the symposium. 168 papers were presented, 27 in invited or keynote lectures, 48 in oral presentations and 93 as posters. After the manuscripts were reviewed, 97 were accepted for publication in this special issue of *Materials Science Forum / Journal of Metastable and Nanocrystalline Materials*. The strong international participation is an indication of the interest in the field of metastable and nanocrystalline materials. This symposium has brought together an interdisciplinary group of scientists and engineers.

As in previous symposia, many contributions were in the area of synthesis and processing. These included papers in mechanochemistry, the effect of mechanical attrition on the chemical behavior of solids, covering many classes of materials, including metals, polymers and ceramics. A significant fraction of the papers dealt with bulk metallic glasses, ranging from fundamentals and theory of mechanical properties to transformation kinetics and development of processing techniques for improved practical applications. The mechanical, electrochemical and magnetic properties of metastable and nanocrystalline materials were the subjects of many of the papers. Overall, the symposium provided a state-of-the-art overview of research activity and technological developments highlighting recent achievements.

The ISMANAM Steering Committee met during the symposium and decided on the following awards: Professor Uwe Köster of the University of Dortmund received the ISMANAM Senior Scientist Award for his research on the crystallization of metallic glasses. Dr. Paul Warren of the University of Oxford has received the ISMANAM Junior Scientist award for his research on rapidly solidified materials.

The ISMANAM Steering Committee has accepted the bid of Professor Jung-Ho Ahn to host ISMANAM 2002 during 8-12 September, 2002 in Seoul, Korea. A bid by Professor Walter J. Botta to host ISMANAM 2003 has been tentatively accepted.

We would like to express our thanks to all the individuals who have contributed to the success of ISMANAM 2001: the members of the Steering Committee and International Advisory Committee, session chairs, invited speakers and all the participants. The invaluable administrative support provided by Wendy Derby during the preparation of ISMANAM 2001 is greatly appreciated. Andreana, Grant Martin, Angela Aldrete and Cherilyn Davis have contributed greatly to the organization of the symposium. The Department of Nuclear Engineering at the University of Michigan has provided much appreciated support for the symposium preparation. Finally, several sponsors have contributed to the success of the symposium through their generous financial support: the University of Michigan College of Engineering, U. S. National Science Foundation, U. S.

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