

PREFACE

The 7th International Symposium on Nanocomposites & Nanoporous Materials 2006, ISNAM7 was held in Gyeongju, Korea, from 15th to 17th February 2006. Unlike previous series of nanocomposite materials symposiums, the Symposium is a joint meeting together with nanocomposites, nanoporous materials and environment-friendly material research program.

Approximately 250 participants from 5 countries attended the symposium and 133 papers were presented; 11 plenary lectures from India, Japan and Russia and 24 oral presentations as well as 98 poster presentations. After the reviewing process, 80 papers were accepted for publication in this special volume of Solid State Phenomena. The strong international participation and high quality of presentations is an indication of the interest in the field of nanocomposite, nano-catalyst, ultrafine polymers, nano-adsorption, nano-characterization etc., in fundamental research and applied engineering. All main aspects of these materials would be covered, including synthesis, mechanism, microstructures, properties and applications.

The symposium also provides the latest research results and a state-of-the-art overview of technology in the exciting and rapidly evolving field of nanomaterials. In the first day of the Symposium, lots of papers in the field of crystalline nanoporous metal oxides, synthesis and pore size control, mechanical milling, electronic applications were mainly presented. In the second day, invited lectures were actively proceed based on nanopowders, polymer matrix, structure and physico-chemical properties, enzyme-free electrochemical sensors etc. In the last day, a lot of oral presentations were made progress on the subject of nano-catalyst and environment-friendly materials.

We would like to express our sincere thanks to all the colleagues which contributed to the success of ISNAM7 2006; the members of the ISNAM Steering Committee, session chairs, invited speakers and all the participants. Furthermore we would like to appreciate the Local Organizing Committee and the invaluable administrative support of High Performance Nanocomposites Program (KAERI), Nano Center for Fine Chemicals Fusion Technology (Inha University), Research Center for Nano Catalysis & Environment-friendly Material Research Center (KRICT) and The Korean Powder Metallurgy Institute, before and during the Symposium. Finally, we would like to acknowledge the financial support of many industrial companies and the following Korean government agencies; Ministry of Commerce, Industry and Energy (MOCIE), Asian Office Aerospace Research and Development (AOARD). Without their support, the Symposium would have been less successful.

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