

Reviews on Advanced Materials Science

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Proceedings

**of the International Conference
NANOMATERIALS AND NANOTECHNOLOGIES
(Crete, Greece, August 30 – September 6, 2003)**

Editorial Policy. The journal "Reviews on Advanced Materials Science" provides an international medium for the publication of reviews, topical issues and international conference proceedings in the area of theoretical and experimental study of advanced materials. Focuses are placed on, but not limited to nanostructured materials, semiconductors and high-transition-temperature superconductors. We encourage prospective authors to correspond with the principal editor before submitting a review article. Proposals should include an outline with key citations. All papers submitted will be rigorously peer-reviewed prior to publication. The journal "Reviews on Advanced Materials Science" is published in both paper and electronic versions.

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PREFACE

The International Conference "NANOMATERIALS AND NANOTECHNOLOGIES" (Crete, Greece, August 30 – September 6, 2003) provided a dynamic overview of current multidisciplinary research on nanostructured materials and development of nanotechnologies with the primary focus on reinforce of connection between the fundamental science, engineering and commercialization of nanostructures; between universities, governmental laboratories, academic institutions, private research sector and industry. The main aim of the Conference was to assess the current status and to identify future priority directions of fabrication, research, design and applications of nanocomposites, carbon nanotubes, self-assembled supramolecules, nanostructured bulk solids, films and coatings, quantum dots and wires. This issue of Reviews on Advanced Materials Science Journal is the first one of four issues containing selected papers presented at the Conference.

This issue will be of interest to researchers and graduate students in the field of nanostructured materials science and nanotechnologies. It can be also useful for engineers who are involved in production and processing of nanostructured materials for functional and structural applications.

I would like to greatly acknowledge the significant contribution of the international organizing committee: E.C. Aifantis (Greece), M.-I. Baraton (France); G.-M. Chow (Singapore), M.Yu. Gutkin (Russia), J.Th.M. De Hosson (The Netherlands), G. Kiriakidis (Greece), E. Lavernia (USA), C.S. Pande (USA), H.-E. Schaefer (Germany), S. Seal (USA), R.D. Shull (USA), G. Skandan (USA), V. Teixeira (Portugal) and T. Tsakalacos (USA). Special thanks are to Maria Prodromitis and representatives of Advanced Study Center (St. Petersburg, Russia), Creta Maris Hotel (Crete) and Select Travel Agency (Heraklion, Crete) for making the Conference a successful and smoothly running meeting.

The support of this Conference by Advanced Study Center (Russia), European Office of Aerospace Research and Development, Air Force Office of Scientific Research (USA), United States Air Force Research Laboratory, National Science Foundation (USA) and University of Central Florida (USA) is gratefully acknowledged.

Ilya Ovid'ko
Chair, International Conference "Nanomaterials and Nanotechnologies – 2003"
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