



REVISTA
MEXICANA DE
FISICA

Revista Mexicana de Física
Sociedad Mexicana de Física
rmf@smf2.ciencias.unam.mx
ISSN (Versión impresa): 0035-001X
MÉXICO

2007

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PREFACE

Revista Mexicana de Física, enero, año/vol. 53, número especial 1

Sociedad Mexicana de Física

Distrito Federal, México

pp. III

Red de Revistas Científicas de América Latina y el Caribe, España y Portugal

Universidad Autónoma del Estado de México

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PREFACE

The V Mexico-Korea Workshop on Advanced Materials took place in San Luis Potosí, S.L.P. on 24-26 January 2005. The Institute for Scientific and Technological Research of San Luis Potosi (IPICYT) was the host institution, place where 31 scientists, 10 from Korea and 21 from Mexico, met to discuss the recent studies in advanced materials. The main focus was on Nanomaterials, Biomaterials, Magnetic Materials and Advanced Materials for optical applications..

This supplement of the Mexican Journal of Physics (*Revista Mexicana de Física*) contains nine of the most representative papers presented during those two very fruitful days. Here the subjects of thin films and multilayers for electronic applications in transistors and batteries, and optical applications in solar cells and photoluminescent devices, are discussed by the Korean participants. Also the mechanical properties of minute electronic devices with porous ceramics are presented.

The Mexican contributions focus on the magnetic, magnetoelectric, and vibrational properties of meso and nanostructures. These are very active fields of research in the Mexican research centers. Also an interesting study of the polymerization of Mexican sulfur is part of this volume.

It is interesting to note the long tradition of holding scientific discussion meetings in the area of advanced materials science and engineering. The first meeting was held in the early nineties and the following one is expected to be organized in Korea in the summer of 2007.

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