

# **Materials Physics and Mechanics**

**Volume 1, Number 2, August 2000**

**Proceedings of the International Workshop  
on Interface Controlled Materials:  
Research and Design  
(St.Petersburg, Russia, June 7-9, 2000)**

## **Part 1**

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**NEW JOURNAL****REVIEWS ON ADVANCED MATERIALS SCIENCE**

Commencing publication with the April 2000 issue, the new journal "Reviews on Advanced Materials Science" provides an international medium for the publication of reviews in the area of theoretical and experimental studies of advanced materials. Focuses are placed on nanostructured materials, high-transition-temperature superconductors, and high-melting point compounds.

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## PREFACE

This is the first of two issues containing papers presented at the International Workshop on Interface Controlled Materials: Research and Design held at St. Petersburg, Russia, June 7-9, 2000. The workshop successfully provided a critical, up-to-date review and discussion on science and technology of interface controlled materials. Special attention was placed on synthesis, processing, characterization, properties, and applications of nanostructured materials and polycrystalline high-transition-temperature superconductors and the role of interfaces in these materials.

A total of 35 scientists from 15 countries (Belgium, France, Germany, Greece, Japan, Latvia, Netherlands, Poland, Russia, Singapore, Spain, Sweden, Taiwan, UK, and USA) participated in the workshop, making it a really international event. All papers presented here have been peer-reviewed prior to publication.

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