

**THE CONFERENCE
IS HELD UNDER THE AUSPICES OF**

Prof. Dr. Yousry El-Gamal
Minister of Education

Prof. Dr. Gamal Mokhtar
President, Arab Academy for
Science, Technology & Maritime Transport

Honorary Chairmanship

Prof. Dr. Raafat K. Wasef
Cairo University

Prof. Dr. Omar Abd El-Aziz
Arab Academy for Science, Technology &
Maritime Transport



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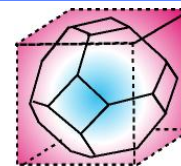
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*The Egyptian Materials Research Society
(Eg-MRS)*

*organizes in cooperation with
Arab Academy for Science, Technology
& Maritime Transport*

Eg-MRS 2006

**THE XXVI CONFERENCE
Solid State Physics
and Materials Science**

**WORKSHOP
Nanostructures:
Science, Fabrication,
Characterization and Devices**

**SEMINAR
Pre-University
Science Education**

**10 -14 September 2006
Alexandria, Egypt**

**Call for
Abstracts and Registration**

CONFERENCE

The aim of the conference is to provide a forum for exchange of knowledge in the high interdisciplinary fields of solid state physics and materials science as well as to bring together scientists working in academic and applied research areas for constructive interactions.

The topics to be covered are:

- * Semiconductor physics and devices.
- * Metal and Polymer Physics.
- * Superconductivity.
- * Thin films and Surface Physics..
- * Optoelectronic Materials.
- * Solar Energy Materials and Devices.
- * Magnetism and Magneto-optics.
- * Crystallography and Amorphography.
- * Spectroscopy and Optical Properties.

WORKSHOP

Nanoscale science and technology, where length scale comparable to atoms and molecules, modify and control macroscopic properties of material through quantum effect. As the size approaches the nanoscale level, dimensions play a critical role and many distinctive and potentially useful phenomena and properties emerge. The lectures include physics at nanoscale, fabrication of nanostructured materials and nanotechnology of devices as well as modification of optical, electric, magnetic and chemical properties. Also, fundamental size-dependent phenomena and developed applications to semiconductor, optical devices and phononic crystals will be presented.

SEMINAR

School-University-Research is a correlated series, the first strongly affects the next two. So, the subject of teaching physics in pre-university education will be discussed by university professors and leaders of education in Alexandria Governorate.

ABSTRACTS

Abstracts for oral or poster presentations are no longer than one page (B5) in Times New Roman with 2.5 cm margins and single spaced. The title is centered and given in font 16 (bold) and the first letter in each word is given in capital letters. The author(s) name(s) is (are) centered and given in font 14 (bold). The institutional affiliation of each author is centered and given in font 11. The corresponding author is designated with an asterisk and his/her e-mail is given as a footnote. The body of the abstract is given in font 12. Tables, figures or references are not needed. It is advised to load the abstract with as much information as possible (not less than 100 words).

- Abstracts must be submitted online (abstract@egmrs.org) by August 10th, 2006. Accepted abstracts will be published in the conference booklet.
- Papers can be published in “*The Egyptian Journal of Solids*” after the full paper is refereed (Oral presentation will be considered).

LANGUAGE

Conference and workshop language is English.

REGISTRATION FEES

- For non-Egyptian \$ 500 and for accompanying person \$400 [Covers full board accommodation (double occupancy room) and transportation from Cairo to Alexandria and back].
- For Eg-MRS members LE 850 [Reduced in accordance with the decision of Supreme Council of Universities].
- Deadline for receiving the registration fees is August 15th, 2006.
- Payment can be made directly in Eg-MRS office or in Misr Bank, Cairo, Tharwat Branch:
Local Currency: Account No. 1931.
Foreign Currency: Account No. 387/11.
Payable to The Eg-Materials Research Society.

APPLICATION

Use online registration or post your information [name, institution, address, e-mail and presentation (oral or poster)].

LOCATION

Eg-MRS 2006 will be held at Arab Academy for Science, Technology & Maritime Transport, Aboukir, Alexandria.

VISITS & EXCURSIONS

- The Integrated Simulator Complex (ISC).
- Regional Informatics Center.
- Bibliotheca Alexandrina (Alexandrian Library).
- The planetarium.
- Qaitbay Fort.
- Catacombs and Pillar of Pompei.

ABOUT ALEXANDRIA

Alexandria was built by the Greek architect Dinocrates (332-331 BC) at the orders of Alexander the Great. The city flourished into a prominent cultural, intellectual, political, and economic metropolis. It was the renowned capital of the Ptolemies. It was the site of the Lighthouse, one of the Seven Wonders of the Ancient World, as well as the Great Library. It was along these shores that history took a tragic turn at the time of Cleopatra, Julius Caesar, Mark Antony and Octavian.

Alexandria lies N-W of the Nile delta and stretches between Mediterranean Sea and Lake Mariut. It is the second largest city and the main port of Egypt. It is one of the most notable summer resorts in the Middle East with beaches of white sands and magnificent scenery in addition to its temperate winters.