

Sharm El-Sheikh, Sinai



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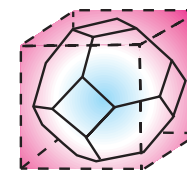
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THE EGYPTIAN SOCIETY OF SOLID STATE SCIENCE AND APPLICATIONS

ESSA-2002

THE XXIII CONFERENCE ON
Solid State Science
&
WORKSHOP ON
Physics and Application Potential
of Functional Ceramic Thin Films
28 Sept. - 2 Oct. 2002
Sharm El-Sheikh, Sinai, Egypt

Call For Papers

Supported by:

* Suez Canal University.

CONFERENCE

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

The topics to be covered are:

- * Semiconductor physics and devices.
- * Metal physics.
- * Superconductivity.
- * Thin films and functional substrates.
- * Surface physics.
- * Magnetism and Magneto-optics.
- * Crystallography and Amorphography.
- * Polymer physics.
- * Spectroscopy and Optical Properties.
- * Solar Energy materials and devices.

WORKSHOP

With the discovery of superconductivity at temperatures well above 20K in cuprate-oxide compounds 1986 the materials physics community was facing the challenge to fabricate single-crystal thin films of complex oxides. The prototype materials are the high temperature superconductors with $\text{YBa}_2\text{Cu}_3\text{O}_7$ and the colossal magnetoresistance materials with $\text{La}_{1-x}\text{A}_x\text{MnO}_3$ [A = Ca, Sr, Ba] as representatives. Additionally, research on ferroelectric and piezoelectric materials in thin film form received a boost after 1986. Within the frame of this workshop the following main topics will be addressed:

- Thin film deposition technologies for functional ceramics.
- Epitaxial strain in functional ceramic thin films.
- Characterization techniques for functional ceramic thin films.
- Heterostructures for device applications.
- Physics aspects of functional ceramic superlattices.
- Trends in device applications.

APPLICATION

An abstract (about 150 word) on A4 page must be submitted by the end of August 2002.

Accepted abstracts will be published in the conference booklet.

Papers can be published in "The Egyptian Journal of Solids" after being refereed according to the regular procedure of the journal.

REGISTRATION FEES

The registration fees are :

- 900 L.E. For ESSA members and staff of Egyptian Universities and Research Institutes (Reduced in accordance with the decision of Supreme Council of Universities).
- 1000 L.E. For non-members
- 600 \$ For non-Egyptian

The fee covers full board accommodation (double occupancy room) as well as transportation from Cairo to Sharm Al-Shiekh and back. Single occupancy is available at extra cost. Children are not allowed.

Participants from abroad are advised to arrange their arrival to Cairo before departure to Sharm Al-Shiekh (28 September 2002).

Payment can be made directly in office of ESSA or

Misr Bank, Tharwat Branch :

Local Currency : Account No. 1931.

Foreign Currency : Account No. 387/11.

LANGUAGE

The conference and workshop language is English.

LOCATION

Sinai, by its geographical location, is the junction between Africa and Asia. It is shaped like an inverted triangle, with the apex in the south at Sharm El-Sheik and Ras Mohammed. Sinai... a place made unique by a combination of sanctity, time-long history and diversity of natural beauty. It came to be known as the Land of Turquoise "Ard El-Fayrou". Along the Gulfs of Suez and Aqaba, soft golden sands surround bays of clear blue water rich with rare marine life and exquisite coral reefs. In the south, towering mountains with their beautiful reddish coloured rocks are surrounded by huge valleys leading to the Holy Mountain. Sharm El-Sheikh overlooks the Gulf of Aqaba and is about 54km from Ras Mohammed and 480km from Cairo. It is both a summer and winter resort due to its moderate climate all year around; the mean temperature in Sept. and Oct. is 24-32 °C. It is the city of all those seek tranquility and love the sun.

CONFERENCE ADDRESS

All correspondances should be addressed to:
The Egyptian Society of Solid State Science and Applications,
33 Abdel-Khalik Tharwat Street,
Cairo, Egypt.

Telephone/Fax: +202-3925997
(Sunday & Wednesday, 6-8 pm)

e-mail: egyptiansssa@hotmail.com

Web: <http://www.geocities.com/egyptiansssa>



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**The Egyptian Society of Solid State
Science and Applicatios,**

33 Abd El-Khalic Tharwat,

Cairo,

Egypt.

Sharm El-Sheikh, Sinai, Egypt

Surname:

First Name/s:

Title (*Prof., Dr., Ms., Mr.*):.....

Institution:

Department:.....

Address:.....

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.....

Postcode:Country:

Telephone:.....

Fax:

E-mail:

Presentation: Yes No