

International Conference on Micro and Nanotechnologies

Tizi-Ouzou, ALGERIA, 19-23 November 2006

ICMNT06



The aim of the International Conference on Micro and Nanotechnologies is to provide an open forum for the presentation and discussion of recent research and development results in Microelectronics, Microsystems, Micro-fluidics and Nano-Materials/Structures. The ICMNT06 will provide an opportunity for scientists of many developed and developing countries to meet and discuss the main advances in the micro and nanotechnology field.

Participation of national and international scientists is desired. Participants are invited to submit their work under the form of Papers for participants and abstracts for Lecturers. The conference is sponsored by local and international institutes and organizations.



The main topics which will be discussed during the four days conference are mainly:

I. Microfluidics

1. Micro-electro-mechanical systems (MEMS)
2. Microfluidics
3. Micro-Fabrication
4. Fluid Modelling in Micro/Nano-Scales
5. Flows in Microchannels
6. Fabrication technologies for MEMS
7. Typical Microfluidic Applications

II. Microelectronics

1. Advanced and emerging transistor and memory devices
2. New integration process and novel technologies
3. Telecommunication and power devices.
4. Modelling, simulation.
5. Characterization and reliability
6. Analogue and digital Circuits
7. RF & Wireless Communication Circuits

III. Nanomaterials

1. Semiconductor nanocrystals
2. Photovoltaic materials and solar cells
3. Micro and nano-fabrication techniques
4. Materials and nano-structure characterization
5. Emerging materials
6. Surface, interface and heterostructures

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the Conference.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, limited funds are available for some participants (not more than 45 years of age) from, and working in, developing countries, to be selected by the organizers. Such financial support is available only for those who attend the entire activity. Every effort should be made by candidates to secure support for their fare (or at least half fare) from their home country.

The **Application Form** (*Travel Grants Application*) for travel support can be obtained from the ICTP WWW server:

http://cdsagenda5.ictp.trieste.it/full_display.php?ida=a06110 (under: application_form)

The application form **should be completed and returned together with the updated Curriculum Vitae** before 15 August 2006:
either by post to

ICMNT06, University M. Mammeri
BP 17 RP, 15000 Tizi-Ouzou, Algeria.

by Fax to:

00213 26 21 29 68, 26 21 29 47

or by e-mail to

icmnt06@mail.ummt0.dz
benfdila@mail.ummt0.dz, abenfdil@ictp.it

Website address: www.ummt0.dz, or
www.ummt0.dz/icmnt06/index.html

(please send file attachments as: either RTF zipped, or .doc, or .pdf)
(recent photograph & signature of the candidate are compulsory)

- The University Mouloud Mammeri-UMMTO
- The Faculty of Electrical Engineering and
Computer Sciences, Tizi-Ouzou Algeria

In collaboration with:

The Abdus Salam International Center for
Theoretical Physics, ICTP-UNESCO IAEA, Italy

The Institute of Microelectronics,
Electromagnetism and Photonics, IMEP, CNRS,
Grenoble, France

Pr Rabah. Kahlouche,
Honorary Chair;
Pr. Arezki Benfdila,
Conference President,
Pr. Katepalli Sreenivasan,
Scientific Committee Chair, ICTP, Italy
Pr Francis K. Allotey,
Honorary Scientific Committee Chair, Ghana

Organizing Committee

Section I Chairman
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Submission

Important Dates

Abstract Submission
Two page abstract with results and
references before
30 June 2006.

Acceptance notification
starting from
15 July 2006.

Full paper
should be submitted
by 15 September 2006