

FOR FURTHER INFORMATION

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**For more information on the seminar, please
visit the website:**
www.damascusuniversity.edu.sy/nano/nmee2010

CIIT, PAKISTAN

COMSATS Institute of Information Technology (CIIT) is an institution for higher learning in Pakistan. It is a flagship project of COMSATS. CIIT has been focusing its efforts on establishing professional linkages with prestigious international universities and research & development institutions. These linkages are targeted at training of its faculty and students in learning of advanced technologies, joint research projects, faculty exchange, and organizing professional meetings, seminars and workshops. (www.ciit.edu.pk)

DAMASCUS UNIVERSITY, SYRIA

Damascus University is one of the oldest and the largest university of Syria. It is the only university in the world which, for over fifty years, has taught science and medicine in Arabic. Damascus University includes fourteen faculties including Medicine, Dentistry, Pharmacy, Science, Engineering, Law, Commerce, Arts, Education and Islamic theology. The university offers M.A. and Ph.D. programmes in various disciplines. (www.damascusuniversity.edu.sy/en/index.php)

SCIENTIFIC COMMITTEE

- Dr. Mohammad Saaid Dayer (ISESCO)
- Mr. Tajammul Hussain (COMSATS)
- Dr. Arshad Saleem Bhatti (CIIT)
- Dr. Mohamed Ali Alsayed Ali (HIAST)
- Dr. Fawzi Awad (DU)
- Dr. Ibrahim Alghoraibi (DU)
- Dr. Siham Tarabichi (DU)
- Dr. Hammoud Al-ourabi (DU)

ORGANIZING COMMITTEE

- Dr. Issam Kassem (DU)
- Dr. Mohammad Saaid Dayer (ISESCO)
- Mr. Tajammul Hussain (COMSATS)
- Dr. Arshad Saleem Bhatti (CIIT)
- Dr. Baida Achkar (DU)
- Dr. Mohamed Ali Alsayed Ali (HIAST)

- Dr. Ibrahim Alghoraibi (DU)
- Dr. Siham Tarabichi (DU)
- Dr. Hammoud Al-ourabi (DU)
- Mr. Fidaa Tarsha (DU)

INVITED SPEAKERS

- Prof. Ismat Shah, University of Delaware, Newark, USA
- Prof. John Weaver, University of Illinois at Urbana Champaign, USA
- Prof. Mohammad Samy El-Shall, Virginia Commonwealth University, USA/RAK-CAM, UAE
- Prof. Dato' Dr. Mohammad Yaha, UKM, Malaysia
- Prof. Dr. Iraj Zad, Sharif University, Iran.
- Prof. Dr. Arshad Saleem Bhatti, COMSATS Institute of Information Technology, Pakistan
- Dr. Sadia Manzoor, COMSATS Institute of Information Technology, Pakistan
- Dr. Umair Manzoor, COMSATS Institute of Information Technology, Pakistan
- Prof. Dr. Laila Abu-Hassam, Jordan
- Dr. Saeed Sarkar, Tehran University of Medical Sciences, Iran
- Mr. Na'il Saleh, Yarmouk University, Jordan
- Mr. Yousef Haik, United Arab Emirates University, UAE
- Mr. Omar M. Al-Dossary, King Saud university, Kingdom of Saudi Arabia
- Dr. Fawzy Abdel-Hamid Mahmoud, National Research Centre, Egypt
- Dr. Mohsen Jahanshahi, Babol University of Technology, Iran
- Mr. Salaheddine Bendak, King Saud University, Kingdom of Saudi Arabia
- Mr. Mohammed M. Amro, King Saud University, Kingdom of Saudi Arabia
- Mr. Mohammad W. Khan, Manipal University, United Arab Emirates
- Mr. Munawwar A. Khan, Manipal University, United Arab Emirates

WHO SHOULD APPLY?

Research scholars, engineers, young faculty members, and students, who are working in the field of Physics, Chemistry, Materials Science or allied areas of Nanoscience & Technology, are encouraged to attend.

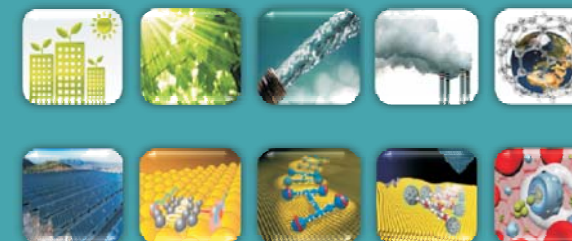


International Seminar on

Nano-materials in Energy and Environment

September 21 – 23, 2010

Damascus, Syria



Organized by

Department of Physics
Damascus University, Syrian Arab Republic

In collaboration with

Islamic Education, Scientific and Cultural
Organization (ISESCO)
&
Commission on Science and Technology for
Sustainable Development in the South (COMSATS)
&
COMSATS Institute of Information Technology (CIIT)

INTRODUCTION

The scientific techniques developed in the last two decades have given sufficient control to scientists to grow nanoscale structures in the laboratory. The nano materials thus developed show unique properties due to large surface-to-volume ratio, and quantum-confinement effects. This has revitalized research for application of nano-materials in different areas of science and engineering, e.g., in solar cells, catalytic reactions, and biology. Energy and environment have become key issues of concern in recent years. There has been a surge to develop ways and means to produce environment-friendly energy resources, which calls for synthesizing materials for solar cells, fuel cells and catalytic reactions. In addition to this, nanomaterials are being employed to address environment-related issues, such as air and water pollution.

The widespread global implications of nanomaterials, potential benefits of nanomaterials-enabled technologies, and the challenges towards maximizing the risk free benefits, have aroused great stir among the scientific community. The exacerbating energy crises and environmental conditions of the developing world call for developing efficient means for energy resources and means for the remediation of environmental degradation.

The Commission on Science and Technology for Sustainable Development in the South (COMSATS), in collaboration with Islamic Educational, Scientific and Cultural Organization (ISESCO), COMSATS Institute of Information Technology (CIIT) and Damascus University, Syria, is organizing an international Seminar on Nano-materials in Energy and Environment", that would be held in Damascus, Syria, from 21st-23rd September, 2010. This ISESCO-COMSATS-CIIT-DU Seminar would bring together research scholars and engineers from various disciplines of nanotechnology to share their research output and nano-products

developed. The emphasis of the conference is to use nanoscience and nanotechnology to address the socio-economic issues of developing countries.

KEY AREAS

The workshop would focus on the following key areas:

- Fundamentals of Nano-science & Technology;
- Synthesis and characterization of nano materials;
- Solar cells;
- Catalysis;
- Fuel cells; and
- Sensors.

AIMS AND OBJECTIVES

The Seminar is aimed to:

- Provide a platform for scientists, researchers, technologist and faculty members to update the recent developments in the field of nanoscience & nanotechnology;
- Facilitate to network the scientists working in various disciplines to address common problems and share their research in application of nano-materials in energy and environment;
- Create an awareness of the potential of nano-materials in these key areas;
- Prepare a curriculum for undergraduate and graduate courses in Nanoscience and technology; and
- Provide an opportunity to promote joint research and collaboration among scientific institutions, in general, and scientific community, nano-sciences in particular.

EXPECTED OUTCOME

1. It is going to enhance awareness of the latest

development in this new and emerging field and the knowledge of relevant capacities existing in Islamic Countries.

2. It is expected that network of nano-technology (ICPSR thematic groups) will be strengthened and long-term joint proposals will be prepared in collaboration with two to three partners from different countries.
3. The deliberation of the meeting will be helpful to develop curricula in Islamic Countries for undergraduate and graduate programme in Nano-Science and Technology.

ABOUT COLLABORATING ORGANIZATIONS

ISESCO

The Islamic Educational, Scientific and Cultural organization (ISESCO) is one of the largest international organizations of Islamic Countries based in Rabat, Morocco. ISESCO aims at strengthening, promoting and consolidating cooperation among Islamic Countries in the fields of education, science, culture and communication, developing applied sciences and use of advanced technology within the framework of Islamic values and ideals, and contributing to the global efforts of world peace and security. (www.isesco.org.ma)

COMSATS

The Commission on Science and Technology for Sustainable Development in the South (COMSATS) is an inter-governmental organization, working for a sustainable socio-economic uplift of the developing countries through appropriate applications of science and technology. The organization is striving to facilitate South-South and North-South cooperation for achieving S & T-led development in the South. (www.comsats.org)

REGISTRATION FORM

ISESCO-COMSATS International Seminar on

Nano-materials in Energy and Environment

September 21-23, 2010, Damascus, Syria

Name _____

Designation _____

Institution/Organization _____

Highest Qualification _____

Present Field of Activity _____

Postal Address _____

City _____ Country _____

Tel. _____ Fax _____

Email _____

I wish to participate in the above mentioned seminar and would like to register for the same.

I wish to present a paper in the above mentioned seminar on the following topic: _____

Signature _____

Date _____

Note: Registration form may be sent to:
nano.phy.du@gmail.com

Important Dates

Abstracts Submission: 30-07-2010

Notification of Abstracts: 20-08-2010

Full papers submission: 30-08-2010