



*National Mathematical Centre (NMC), Abuja, Nigeria
And
Commission for Science and Technology for Sustainable Development in
the South (COMSATS), Pakistan*

Announcement and Invitation

**INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING OF SOME
GLOBAL CHALLENGING PROBLEMS IN THE 21ST CENTURY**

(26 – 30 NOVEMBER, 2008)

In the 21st Century the world has so many challenging problems amongst are the global warming, occurrence of ecological problems, outbreak of diseases these are: e.g. HIV/AIDS, bird flu and genetic related diseases like cancer, sickle cell anemia and thalassaemia. Also included in the list are security problem, food and energy crises and high raising in the price of crude oil. The problem of unemployment and collapse of many financial giant institutions. The list can go on and on.

In order to understand complex situations surrounding human being there is the need to develop models. Models are mathematical structure for managing real life situations, to animate, visualize or interact with complex structures and processes.

The goal of this conference is to bring together experts working on Modelling, Scientists and Students interested in Modelling/Simulation together to interact and present their findings to the public ;suggest to policy makers how to improve the quality of life of people and our environment ; how to predict natural disaster using mathematical models and simulation techniques. The Conference will also accept papers in the following sub-themes:

SUB-THEMES

Mathematical Modelling/Simulations in the following areas:

- Ecology: Climatic problems;
- Medicine & Pharmacology: Infection disease and genetic related ones and drug administration;
- Engineering and Science;
- Fossil and Renewable Energy;
- Security systems: Food security, computer security, encryption and it uses in financial house especially ATM machine;
- Financial Investment : Portfolio management, market volatility, exchange rates and term structure;
- Nanotechnology;
- Equipment for processing raw materials e.g. equipment for production of biodiesel, fuel ethanol, production of drugs and in the manufacturing plants etc.
- Telecommunication and Communication

Network: Performance models, Quality of Service (QOS) in a Network, Protocol and Topology in a Network.

- Culture and Social Science.

Date:

24th – 26 November 2008 (NMC – COMSATS Stakeholders Meeting)

26th November 2008 (Arrival of Participants for Conference)

27th November 2008 (Opening Ceremony & Plenary Session)

28 – 29 November 2008 (Plenary Session)

30th November 2008 (Excursion and Departure)

Venue: National Mathematical Centre, Abuja, Nigeria.

Time: 10am

Conference Registration

Seminar Registration ₦5, 000 (Including bag)

Students ₦1, 000

International Scholars (US 100)

Corporate Organization ₦20, 000

Submission of abstract and papers:

Abstract not exceeding 200 words should be submitted to the

Chairman of Local Organizing Committee Via e-mail: boyelami2000@yahoo.com;

scactnmcabujang2008@gmail.com

Accommodation: See list of the available hotels and accommodation charges.

Visit: www.nmcabuja.org

Host

Professor Sam O. Ale mind, OFR

The Director General

National Mathematical Centre, Abuja

Chief Host

Dr. Aja Nwachukwu

Honourable Minister of Education

Federal Republic of Nigeria

Special Host

Mallam Modibo Aliu

Honourable Minister of Federal Capital Territory, Abuja, Nigeria

Chairmen Local Organizing Committee

Prof. P. Onumanyi, Deputy Director General

Associate Professor B. O. Oyelami, Coordinator Mathematical Centre, Abuja, Nigeria

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Secretary Local Organizing Committee

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National Mathematical Centre. Abuja, Nigeria.

Local organizing Committee

Dr. James Daniel

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Prof. L.O. Adetula

Prof.M.O.Ajetumobi

Prof. J. S. A. Adelabu

Prof.E.I. Adeyeye

Prof J.A. Ogidi

Prof.R.O.Ayeni

Prof.A.A. Asere

Publication of the Proceedings

Papers presented at the conference would be published after due process of peer reviewing.

The papers presented should be sent to the Chairman of Local Organizing Committee in printed form and electronic form (Pdf). The

final accepted papers to be published should be prepared in Latex source file only.

ANNOUNCER

C.O. Adeyemo

Secretary to the Centre