



2nd Announcement & Call for Papers

The 5th International Conference of the African Materials Research Society (5th IC-AMRS)

&

8th Nigerian Materials Congress (NIMACON-2009)

THEME:

Nanotechnology, Advanced Materials and Manufacturing Technology for Africa

Venue:

**Abuja Sheraton Hotel & Towers,
Abuja, Nigeria**

Date:

13TH -18TH Dec. 2009

Background Information & Invitation

The 5th African Materials Research Society (AMRS) will hold its 5th International Conference and Workshop in Abuja Nigeria between December 13 and 18, 2009. This follows a highly successful similar one held in Dar es Salam in December 2007 where the Presidency was voted to Nigeria headed by Prof. O. O. Adewoye, Director General of National Agency for Science and Engineering Infrastructure (NASENI).

This year's conference is unique in that it is combined with the highly successful annual congress of the Materials Society of Nigeria (MSN) tagged NIMACON-2009, the 8th Nigerian Materials Congress. This event will therefore be the gathering of the African Materials Community; the best Africa has to offer.

The theme of this Scientific Programme, Nanotechnology, Advanced Materials and Manufacturing for Africa is a very important topic that has been so chosen to bring the best in the field especially in the Diasporas to rub minds together on the way forward for Africa and the current best practices and R&D activities.

This year's conference will incorporate another workshop on **Foundry, Crystallography and Advanced Manufacturing Technology.**

Conference Structure

Plenary lectures, oral presentations, poster sessions and industrial exhibitions

The workshop will have both lectures and practical demonstration components.

Sub-themes

Capacity Building:

- Research & Development for Product Development
- Infrastructural Development
- Economic Manufacturing
- Innovation and the Market

Foundry Development and Furnace Manufacturing in Africa

- Furnace Lining Technology
- Furnace Development
- Ductile Iron & Austempered Ductile Iron Production from Rotary and Cupola Furnaces in Africa

Advanced Manufacturing

- Design
- Simulation and Modeling
- Rapid Prototyping and Machining Operations
- Printed Circuit Boards and Surface Mount Technology

Novel Techniques for Production of Biomaterials

- Materials for medical applications
- Drug delivery
- Surface Engineering
- New bio-mimetic concept of scaffolds

Nanosciences and Nanotechnology

- Device Fabrication
- Nanophotonics and Nano-biomimetics
- Nanostructures for energy applications
- Novel drug delivery system.

Laser and It's Applications in Materials Science, Medicine & Manufacturing.

Basic Sciences of Materials

- Crystallography
- Structure/Property Relationship

Materials Education and Networking.

Conference & Workshop Language

Oral and postal presentations, abstracts, posters and full texts will be in English. No translation will be provided.

Abstracts for the Conference

Interested authors are requested to submit short abstracts (not more than 300 words) of their proposed papers to:

africa_mrs@yahoo.com

Please adhere strictly to the following;

- ✚ The paper title should be bold, Times New Roman 14 point and centered),
- ✚ Names of all authors with initials first, the complete postal address and affiliation of each author,
- ✚ Email address of the corresponding author and title,
- ✚ No figure, equation or reference accepted in the abstract,
- ✚ Main text should be Times New Roman, 12 point and 1.5 spacing,
- ✚ References cited by numbers in the main text.
- ✚ References at the end of the manuscript; authors, citation, year.

Publication

After the review process, all accepted papers will be published in the conference proceedings which will have an ISBN number.

Conference Fees

	Nigerian participants	Others
Students	₦5,000	US\$ 100
Academics	₦ 25,000	US\$ 400
Industrialists	₦ 50,000	US\$ 500

This fee will cover the conference dinner, lunches during the conference, all coffee breaks as well as a copy of the published book of abstracts.

Important Dates

30 Sept. 2009: Deadline for submission of abstracts

30 Sept. 2009: Deadline for oral presentation

30 Oct. 2009: Deadline for poster presentation

Conference Location

The conference and the workshop will be held at **Abuja Sheraton Hotel & Towers**, Ladi Kwali Street, P.M.B. 143, Maitama, FCT, Abuja, Nigeria.

List of available hotels not far from Sheraton will be made available through the information guide that will be sent in due course.

Local Organising committee

Chairperson: Prof. O. O. Adewoye

Members:

Dr. A. Y. Fasasi (CERD/NASENI)
 Dr. B. Babatope (EMDI)
 Dr. (Eng.) A. R. Adetunji (OAU/EMDI)
 Dr. Zebastian Kana (SHESTCO)
 Dr. 'Shola Odusanya (SHESTCO)
 Dr. Fabian Ezema (UNN)
 Engr. S. O. O. Olusunle (NASENI)
 Dr. (Mrs.) Z. Hammanga (RMRDC)
 Mr. A. S. Koliere (RMRDC)
 Dr. E. Dare (UNAAB)

Conference Advisory Committee (Executive Committee – MRS Africa)

Prof. O.O Adewoye
 Prof. A. Beye (Senegal)
 Prof. Y. Ballim (South Africa)
 Dr. Buchweishaja (Tanzania)
 Prof. T. Otiti (Uganda)
 Prof. J.V. Tesha (Tanzania)

Prof. A. El Jazouli (Morocco)
 Dr. J. Zimba (Zimbabwe)
 Prof. C. Chama (Zambia)

International Scientific Committee

Banda E. (Uganda)	Cheetham, A. (USA)
Chang R.P.H. (USA)	Babatope, B (Nigeria)
Lachgar (USA)	Every A. (South Africa)
Aduda B.(Kenya)	Mona Marei (Egypt)
Otiti Tom (Uganda)	Kenai S. (Algeria)
Bisanda E. (Rwanda)	Osseo-Asare K. (USA)
Ghavami (Brazil)	Sathiaraj S.(Botswana)
Savastano (Brazil)	Soboyejo W. (USA)
Sigbritt K. (Sweden)	Imasogie B. I. (Nigeria)
Maaza, M. (SA)	Asfaw. A.. (Ethiopia)
Dongo, E.(Cameroon)	Mtenga, P. (USA)
Nava Setter (Swiss)	Douta Tall, P (Senegal)
Msambichaka, J. (Tanzania)	Alford T. L. (USA)

Potential Supports for the Conference & the Workshops.

NASENI (NIG.), NRF (SA), NSF(USA), US-MRS, USAMI (Princeton), IUMRS, UNESCO, TWAS, TWOS, TWALC, COSTEC, SidaSAREC, IICAM, IMI, NEPAD, ALC, ICMR, CTP-ICS, MTN, SHELL, CHEVRON, ZAIN, GLO, TERMIS.

Contact Information

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