

1. BASIC INFORMATION

Name of relevant IUPAP-Commission : C13. Physics for Development

TITLE OF CONFERENCE : 1ST YAOUNDE INTERNATIONAL COLLEGE ON NOVEL MATERIALS AND TECHNOLOGIES, AND THEIR IMPACT ON ENERGY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

Location : University of Yaoundé I, Cameroon

Start and End Dates : 2008/07/07-07/11

Name of Organizer/

Contact Person : NDJAKA Jean-Marie & Ntsoenzok Esidor

Phone : (237) 200 12 74 Fax :

E-mail : jmndjaka@yahoo.fr ; esidor@cnr-s-orleans.fr, esidor.ntsoenzok@univ-orleans.fr

Conference WWW Address

Mailing Address: **Dr NDJAKA Jean-Marie Bienvenu, Université de Yaoundé1, Faculté des Sciences**

Département de Physique, B.P 812 Yaoundé , Cameroun.

Pr. E. Ntsoenzok, CNRS-CERI, 3A, rue de la férolierie, 45071 Orléans France

Type of Conference: Colloque

A. General B. Topical C. Special

Number of participants : 200

2. SCIENTIFIC VALUE OF CONFERENCE AND COMMITTEES

a. **Ongoing series:** Describe below briefly the scope of the conference. There should be a clear need for the proposed conference. A statement should be given why the series should be continued. Attach a program and list of speakers from one or more recent conferences.

OR

New conference: Bearing in mind that the proliferation of conferences is of general concern, describe below the particular reason for holding this conference. Its relationship to existing conferences should be given.

The Yaounde College aims to help graduate students and young researchers working in developing countries to start a research project. That college is intended to be a periodic platform that will help (i) build up scientific capacity in academic and research institutions of developing countries (specially in African countries) and strengthen existing research groups, with the spirit of creating scientific synergy among them, and (ii) establish mutually beneficial cooperation between them and overseas research institutions. It will include tutorial-type lectures and laboratory work. The tutorial lectures will be addressed at the level of graduate students, with particular focus on applications. The personal contact with the speakers will subsequently be maintained through internet. The laboratory work will deal with simulation case studies; it will emphasize on the possibility of starting a research project. During the selection of speakers, priority will be given to those who agree to give a research opportunity to the best participants.

b. The composition of Advisory and Program Committees should give evidence of scientific quality, international character and diversity. It is expected that all IUPAP sponsored conferences include women as members of their program committees.

Please indicate how this conference fulfills such requirements.

Provide a list of the program committee with evidence that women are included.

Enter one committee member per line, Indicate women members with an * after their name.

ORGANISING COMMITTEES

International : E. Ntsoenzok, M. Maaza, Gabrielle Regula*, R. Job, Maryse Lemarquand*, Elisa Leoni*, S. Ashok

Local : J.M.B. Ndjaka, E. Manguelle Dicoum, P. Woafu, G. H. Ben-Bolie, C. Mbane Biouelle

SCIENTIFIC COMMITTEES

International :

A. Msezane	Clark Atlanta University, USA
A. C. Beye	African Laser Centre/Cheikh Anta Diop University, Senegal
A. Wague	Cheikh Anta Diop University, Senegal/LAMNETWORK
André Thiaville	Université Paris-Sud, France
A. Forbes	National Laser Centre, South Africa
B. PICHAUD	Université Aix-Marseille, France
C. McGruder III	National Society of Black Physicists, Kentucky, USA
Caroline Bonafos*	CNRS-CEMES Toulouse, France
F. Hahne	African Institute for Mathematical Sciences, South Africa
F. K. Allotey	Institute of Mathematical Science, Ghana/EBASI Africa
G. BLONDIAUX	CNRS-CERI, Orléans France,
Jacques Miltat	Université Paris-Sud, France
K. Bharuth-Ram	IThemba Labs, South Africa
K.R. Sreenivasan	Director of The Abdus Salam-ICTP, Italy
M. Maaza	IThemba Labs, South Africa
M.H.A. Hassan	Third World Academy of Sciences, Italy
Marie-France Barthe*	CNRS-CERI, Orléans France
Marie-France Beaufort*	Université de Poitiers, France
Maryse Lemarquand*	IRAMAT-CNRS, Orléans, France
N. Chetty	University of Kwazulu-Natal, South Africa
O. Awadelkarim,	Penn State University, USA
Pierre Millet	Université Paris-Sud, France
R. Job	Fern University, Germany
S. Ashok	Penn State University, USA
S. DONNELLY	University of Salford, UK
S. Mtingwa	Massachusetts Institute of Technology, USA
Y. Mohapatra	Indian Institute of Technology, Kampur, India

Local :

T. C. Kofane, P. Owono Ateba, C. Ayina Ohandja, M. G. Kwato Njock, S. Domngang

c. Acceptance of papers should be based on a refereeing system which assures a level comparable with that of papers in regular journals. Every effort should be made to have the proceedings of the conference published in order to make them widely and easily available to the scientific community. Publication of proceedings as a special issue of a regular journal or on the world wide web is encouraged.

Please indicate how this conference is responsive to these issues.

d. IUPAP policy calls for adequate representation of applied aspects wherever appropriate, and - at general conferences - the encouragement of a Public Lecture. Indicate how this conference can be responsive to these concerns.

The topics of the college are:

- Materials Science: (Thin Film Materials and Devices, Solar Cells, Organic semiconductors, Optoelectronics, Biomaterials, VLSI Technology, Power devices)
- Nanosciences and Nanotechnologies
- Modelling and Computation
- Material characterization :overview
- Technology impact on society and environment

3. INTERNATIONAL PARTICIPATION:

To qualify for IUPAP sponsorship:

1. The meeting must be open to scientists regardless of nationality and citizenship. List below the name and address of the official who will be responsible for assuring that the host country fulfills this obligation, and discuss any potential problems that you know of at this time.

G. BLONDIAUX	CNRS-CERI, Orléans France
R. JOB	Fern University, Germany
S. ASHOK	Penn State University, USA
S. DONNELLY	University of Salford, UK
M. MAAZA	IThemba Labs, South Africa

2. Please confirm that the "statement on free circulation of scientists" will be published in all announcements and in the Proceedings of the Conference.

Scientists and graduate students from all countries that are members of the United Nations, UNESCO or IAEA may attend the college. Although the main purpose is to help researchers from developing nations, students and post-docs from developed countries are very welcome.

3. At least 50% of the attendees must be from outside the host country. Please confirm that you expect that this requirement will be fulfilled.

The expectation number of participants per country is : Algeria (5), Benin (5), Botswana (2), Burundi (2), Cameroon (35), Central Africa Republic (5), Chad (5), Congo (5), Cote d'Ivoire (5), Egypt (5), Ethiopia (5), Equatorial Guinea (2), Gabon (5), Ghana (5), Guinea (5), Kenya (5), Lesotho (2), Lybia (5), Mali (5), Malawi (2), Mauritania (5), Morocco (5), Mozambique (2), Namibia (2), Niger (5), Nigeria (10), Rwanda (5), Senegal (5), South Africa (10), Tanzania (5) Togo (5), Tunisia (5), Uganda (2), Zambia (5), Zimbabwe (5).

4. ORGANIZATION : If you know of any potential conflicts with other conferences, please describe them below.

At our knowledge, there is no potential conflicts with other conferences

5- BUDGET: total budget of the order of 65 000 US\$ (50 000 Euros).

