

# Cameroon Physical Society



Siège Social BP : 8210 YAOUNDE – CAMEROUN

Association reconnue par Arrêté préfectoral

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Site web: [www.scp-web.org](http://www.scp-web.org), email: [info@scp-web.org](mailto:info@scp-web.org)

## INTERNATIONAL CONFERENCE on

### “LOW COST HIGH PHYSICS AND APPROPRIATE SOLUTIONS TO REAL LIFE PROBLEMS IN DEVELOPING COUNTRIES”.

**2<sup>nd</sup> EDITION (2011)**

#### Description

An important problem faced by the majority of Physicists from developing countries is that their research activities are far from developmental goals of their countries. Those of them tackling problems related to some local development objectives will not succeed in publishing their results in good scientific journals. Meanwhile they need publications in good international peer-reviewed journals for their academic promotion and international visibility. Researchers carrying out publishable works in international journals rely mainly on the theoretical aspects with sometimes experimental parts carried out in developed countries laboratories thanks to various funding institutions and individual contacts abroad. The decision-makers in developing countries, either do not have sufficient fund, or do not find the necessity to fund expensive equipment for research topics that have no direct and immediate links to problems suffered by their population.

This constitutes a big threat to the development of physics activities and is certainly the most important cause of lack of public and decision-makers awareness on the benefits that come from research in physics. As a consequence, a large number of physicists who want to maintain their scientific standard generally move abroad to work in stimulating environment, so the brain-drain.

Aware of this fact, the Cameroon Physical Society launched in 2009 a series of bi-annual conferences on the general topic: “Low Cost High Physics and Appropriate Solutions to Real life Problems in Developing countries”. The conferences are the place for the presentation of scientific achievements in physics that fulfil at least two of the following criteria:

- Research topics that can be covered entirely (theory, experiment and hints for application) with low funding,
- High level scientific research topics that have been published or are publishable in good international journals,
- Research topics that have impact on the technological, economic and social development in developing countries.

**The first conference of the series took place from 8 to 10 December 2009 and two days training on specialized topics (6 and 11 December) with 64 participants coming from Europe, Latin America and Africa and covered many physics disciplines.** It was supported by the International Centre for Theoretical Physics, the International Group of Physics for Development at the European Physical Society, Institute for Theoretical Physics

of Sao Paulo (Brazil), The Faculty of Science (University of Yaoundé I, Cameroon) and the Cameroon Physical Society.

**The next conference and associated trainings will take place from 5 to 9 December 2011 in Yaoundé, Cameroon. The main fields for the 2011 conference are:**

- **Nano/micro/macro/opto-electromechanical systems,**
- **Semiconductor lasers and Photonic materials,**
- **Special topics for development.**

The conference will consist of lectures and case studies. Some courses and practical trainings related to the two main fields will be organised on December 5 and 9 while the presentations for the conference will take place from 6 to 8 December.

**Participation:** The participation is open to any scientists from any country. The number of participants will be limited to 50.

**Funding:** The funding of the workshop will be covered by funds from international institutions (to be named after their agreement and conditions), the Cameroon Ministry of Higher Education, Cameroonian Universities, Cameroonian enterprises and the Cameroon Physical Society.

**Organizing Institution:** Cameroon Physical Society

### **International advisory board:**

- **Annick Suzor-Weiner**, Université Paris-Sud, Paris, France.
- **François Piuzzi**, CEA Iramis, France,
- **Ludger Woeste**, Free University, Berlin, Germany,
- **Stefano Ruffo**, University of Florence, Italy,
- **Yanne Chembo Kouomou**, University of Franche-Comté, Besaçon, France,
- **Jean Chabi Orou**, Université d'Abomey-Calavi, Cotonou, Bénin

### **Local organizing committee**

#### **General organization: Executive of the Cameroon Physical Society:**

- **P. Wofo** (President), University of Yaoundé I, Yaoundé, Cameroon
- **O. Motapon** (General Secretary and treasurer), University of Douala, Cameroon
- **S. Zekeng** (Head, section organization of scientific meetings), University of Yaoundé I, Yaoundé, Cameroon
- **R.Tchitnga** (Head, section Popularization of Physics), University of Dschang, Dschang, Cameroon
- **A. Tiedeu** (Head, section International relations), University of Yaoundé I, Yaoundé, Cameroon
- **S. Nana Engo** (Head, section edition and media), University of Ngaoundéré, Ngaoundéré, Cameroon

- **A. Kenfack** (Responsible, University of Yaoundé I and Research Institutes Chapter of the Cameroon Physical Society)
- **J.P. Nguenang** (responsible, University of Douala Chapter of Cameroon Physical Society)
- **M. Kamta** (responsible, University of Ngaoundéré Chapter of the Cameroon Physical Society)
- **D. Yemele** (responsible, University of Dschang Chapter of the Cameroon Physical Society)
- **D. Afungchui** (responsible, University of Buea Chapter of the Cameroon Physical Society)
- **L. Meffo Poinkam**, Responsible section Women in physics at the Cameroon Physical Society

#### Conference sections coordinators:

- **B.R. Nana Nbandjo**, section on Nano/micro/macro-electromechanical systems,
- **R. Tchintga**, section on Semiconductor lasers and Photonic materials.
- **Alain Tiedeu**, Special topics for development

## Tentative list of confirmed speakers

### Cameroon

**Nana Nbandjo BR**, University of Yaoundé I, Cameroon  
**Mogo Jules B**, University of Yaoundé I, Cameroon  
**Tchuen Ghislain**, University of Dschang, Cameroon  
**Paul Wofo**, University of Yaoundé I, Cameroon  
**Tcheutchoua Omer**, University of Yaoundé I, Cameroon  
**Abobda Theodore Lejuste**, University of Yaoundé I, Cameroon  
**Nana Engo Serge**, University of Ngaoundéré, Cameroon  
**Meffo Poinka Lisette**, University of Dschang, Cameroon  
**Talla Mbe Jimmy**, University of Yaoundé I, Cameroon  
**Takougang Sifeu**, University of Yaoundé I, Cameroon  
**Fotsa Ngaffo Fernande**, University of Buea, Cameroon  
**Alain Tiedeu**, University of Yaoundé I, Cameroon  
**Noubissie Samuel**, University of Dschang, Cameroon  
**Kol Guy Richard**, University of Yaoundé I, Cameroon  
**Kepseu Djampouop Wilfred**, University of Yaoundé I, Cameroon  
**Nana Bonaventure**, University of Bamenda, Cameroon  
**Nubissie Achille**, University of Yaoundé I, Cameroon  
**Togue Kamga**, University of Yaoundé I, Cameroon

### Africa

**Kondji Yvon**, Université de Bangui, Central African Republic  
**Oumarou Sanda Abbo**, Université de Bangui, Central African Republic  
**Njah Abdulahi Ndzi**, University of Agriculture, Abeokuta, Nigeria  
**UE Vincent**, Olabisi University, Nigeria  
**Udoh Paul**, University of Uyo, Nigeria

**Jean Bio Chabi Orou**, University of Abomey-Calavin, Cotonou, Benin  
**Nziengui Mabika**, Université Marien-Ngouabi, Brazzaville, Congo  
**Teketel Yohannes**, University of Addis-Ababa, Addis-Ababa, Ethiopia  
**Yendoube Lare**, University of Lomé, Togo  
**Mazebelo Baneto**, University of Lomé, Togo  
**Zoueu Jérémie**, Institut Polytechnique de Yamoussoukro, Ivory Coast

## Americas

**Ricardo Viana**, Universidade Federal do Parana, Brazil  
**Miguel Alonso Alonso**, University of Rochester, USA  
**Rita Noumeir**, Ecole de Technologie Supérieure, Montreal, Quebec, Canada  
**Roberto A. Kraenkel**, Institut for Theoretical Physics, University of Sao Paulo, Brazil  
**H.A. Cerdeira**, Institut for Theoretical Physics, University of Sao Paulo, Brazil

## Europe

**Mikhail Kiselev**, ICTP, Italy  
**Stefano Ruffo**, University degli Studi di Firenze, Italy  
**Davide Comoretto**, University degli Studi di Genova, Italy  
**Guglielmo Lanzani**, University di Milano, Italy  
**Laurent Larger**, University of Franche-Comté, France  
**Yanne Chembo Kouomou**, University of Franche-Comté, France  
**Pere Colet**, University of Palma de Mallorca, Spain  
**Claudio Mirasso**, University of Palma de Mallorca, Spain  
**Ingo Fischer**, University of Palma de Mallorca, Spain  
**Thorsten M. Bernhardt**, University of Ulm, Germany  
**Ludger Woeste**, Free University-Berlin, Germany  
**Didier Wolf**, University of Nancy, France  
**Miguel Manna**, University of Montpellier 2, France.