



HIGH LEVEL PHYSICS AND APPROPRIATE SOLUTIONS TO REAL LIFE PROBLEMS IN DEVELOPING COUNTRIES (7th edition)



University of Dschang

I-Description

The seventh edition of the International Conference on « High Level Physics and Appropriate Solutions to Real Life Problems in Developing Countries » will take place from 05 – 08 December in Dschang (University of Dschang) after its first part the « Cameroons First School on Nonlinear Dynamic and Complex Systems on Hypergraph » which will take place the 25 to 28 September 2023 at the same University. The conference will be displayed in both physical and visio-conference attending formats. The goal of the seventh edition of the conference is to :

Present the state of the art of the development

➤ in nonlinear dynamics applied to engineering (electrical, mechanical, electromechanical and optical engineering)

➤ in materials sciences and condensed matter physics,

➤ in atomic and molecular physics,

➤ in atmospheric physics

➤ in electronics and electro-technics

- Show the special emphasis on applications bringing solutions to real-life-problems encountered in developing countries,

- Introduce hypergraph based studies.

Following the driven idea at the origin of the series of the conferences (see below), emphasis will be put on 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) in developing countries with limited resources,

• High level scientific research topics that have been published or are publishable in good international journals,

II-Participation and Funding

II-1- Participation:

Participation is open to any scientist from any country. The contact for information about how to participate can be obtained using the following email addresses

brnana2@gmail.com louodop@yahoo.fr and jptchapet@gmail.com

Deadline for registration: 05 November 2023

II-2- Funding:

APSA (Association Pour la Promotion Scientifique de l'Afrique), Cameroon Academy of Sciences and Cameroon Physical Society (Participation fees) always contribute financially and logically in various manners. We are still looking for funds from other national and international institutions to support the participation of young physicists from various African countries. Participants are strongly advised to search for their own means of funding,

II-3- Participation fees:

Students: **5000 FCFA** for non-members and **2 500 FCFA** for members.

Seniors: **20 000 FCFA** for non-members and **10 000 FCFA** for members.

Participation fees should be sent to the account of Dr Jean Pierre Tchapet Njafa (00237 675869928) treasurer of the CPS

International advisory board

- **Hilda Cerdeira**, Instituto do Fisica Teorica/UNESP, Sao Paulo, Brazil.
- **François Piuzzi**, CEA Iramis, France.
- **Carlo Iorio**, Université Libre de Bruxelles, Belgium.
- **Père Colet**, Institute for Cross-Disciplinary Physics and Complex Systems, Spain .
- **Jean Chabi Orou**, Université d'Abomey-Calavi, Cotonou, Bénin .
- **Vincent Uchechukwu**, University of Ago-Iwoye, Nigeria.
- **Uwe Dorka**, University of Kassel, Germany.
- **Giovanni Filatrella**, Department of Science and Technologies, University of Sannio, Italy .
- **Fernando Fagundes Ferreira**, University of Sao Paulo, Sao Paulo, Brazil.

Local organizing committee: Executive of the Cameroon Physical Society

- **B.R. Nana Nbendjo** (President), University of Cameroon
- **P. Louodop** (General Secretary), University of Dschang, Cameroon
- **J.P Tchapchet Njafa** (Treasurer, University of Ngaoundere), University of Yaoundé I, Cameroon
- **R. Tchitnga** (Head, section Physics for development), University of Dschang, Dschang, Cameroon
- **P. Woaf** (Head, section Physics and applications of Transducers and Sensors), University of Yaoundé I, Cameroon
- **A. Tiedeu** (Head, section Medical Physics), University of Yaoundé I, Yaoundé, Cameroon
- **S. Zekeng** (Head of the section Physics of Materials), University of Yaoundé I, Cameroon
- **O. Motapon** (Former president), University of Maroua, Cameroon
- **Nsangou Mama** (section Atomic Physics, Molecular and Quantum optics)
- **A. Kenfack** (Head, section Nonlinear Statistical Physics) University of Yaoundé I, Cameroon
- **G. Tchuen** (Head, section Computational Physics) University of Dschang, Cameroon
- **M. Kamta** (Head, section Solar Energy) University of Ngaoundéré, Cameroon Physical
- **Saidou** (Head, section Nuclear Physics, President of the Cameroon Society of Radioprotection), University of Yaoundé I, Cameroon
- **Vondou Debertini**, (Head of the section Geophysics), University of Yaoundé I, Cameroon
- **J.S.A. Eyebe Fouada**, (Head of the section Electronics), University of Yaoundé I, Cameroon

III-History of the series

The first six editions took place from 8 to 10 December 2009 in Yaounde, 05 to 09 December 2011 in Yaounde, 25 to 29 November 2013 in Yaounde, 24 to 28 November 2015 in Yaounde, 04 to 08 December 2017 in Yaounde, 25 to 30 December 2019 in Dschang. These editions saw the participation of physicists from many countries including Cameroon, Nigeria, Kenya, Benin, Congo, Central African Republic, Burkina Faso, France, Belgium, Brazil, Spain, Germany, USA, Japan, New Zeland. They were 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. This will be thus the 7th edition.

Contacts : 00237 650486441 (Blaise Nbendjo Nana)
00237 695086975 (Patrick Louodop)
00237 675 (J.P Tchapet Njafa)



Campus of the University of Dschang
Cameroon



brnana2@gmail.com
louodop@yahoo.fr
jptchapet@gmail.com