New Trends in Mathematical Methods for Physics

06 – 17 May 2019 **IMSP, Dangbo, Benin**

This school aims to enable collaboration and exchanges between Ph.D students, young scientists and experts in Mathematical Physics. The chosen topics cover a large spectrum of fundamental and applied mathematical tools and techniques in Physics.

The courses will focus on introducing new trends of mathematical methods in physics in order to reinforce Ph.D students and scientists capacity to identify and to use mathematical materials to solve physical problems within their research area. This school intend to offer a panel of experiences sharing, collaboration and to build larger scientists networks working on research projects with more impact on the social development.

International Scientific Committee:

Jean-Pierre EZIN, Institut de Mathématiques et de Sciences Physiques, Dangbo, Bénin.
Jean D'ALMEIDA, Université des Sciences et Technologies de Lille, UFR de Mathématiques Pures et Appliquées, France.
Joseph NIEMELA, International Centre of Theoretical Physics, Trieste, Italy.
Joël TOSSA, Institut de Mathématiques et de Sciences Physiques, Dangbo, Bénin.
Thierry D'ALMEIDA, Commissariat à l'Energie Atomique, France.

Local Organizing Committee :

Léonard TODJIHOUNDE, Jean Orou Chabi, Joël TOSSA, Jean-Pierre EZIN, Jules DEGILA, Carlos OGOUYANDJOU, Cyriaque ATINDOGBE, Franck D. HOUENOU, Esther CHABI ADJOBO, Fidèle BALIBUNO, Ménédore KARIMUMURYANGO

Main speakers and topics:

1- Jean Orou CHABI, Institut de Mathématiques et de Sciences Physiques, Dangbo, Bénin, jchabi@yahoo.fr.
Title: Approximation methods for singular pertubation problems.

2- Jean D'ALMEIDA, Université des Sciences et Technologies de Lille, France, Jean.D'Almeida@math.univ-lille1.fr.
Title: Théorie de groupes et Physique.

3-Julio C. FABRIS, Universidade Federal do Espírito Santo, Vitória, Brésil, julio.fabris@cosmo-ufes.org.
Title: Geometrical and physical properties of black holes.

4-Aissa WADE, African Institute of Mathematical Sciences, M'bour, Sénégal, aissa.wade@aims-senegal.org .
Title : Poisson geometry and physics

5-Giuseppe DITO, Institut Mathématique de Bourgogne, Dijon, France, giuseppe.dito@gmail.com.
Title: Symplectic geometry and quantum mechanics.

6-Laure GOUBA, International Centre of Theoretical Physics, Trieste, Italy, lrgouba@yahoo.fr.
Title: New trends in quantization methods.

7- Paulo Afonso Faria da Veiga, University of Sao Paulo, Brazil, *veiga@*icmc.usp.br.
Title: Renormalization and particle spectrum in field theory.

8-Ancille NGENDAKUMANA, Ecole Normale Supérieure de Bujumbura, Burundi, nancille@yahoo.fr.
Title: Noncommutative physical systems: Souriau coadjoint orbits methods.

9-Oscar REULA, FaMAF, Univ. Nac. de Córdoba, ARGENTINA, oreula@gmail.com.
Title: Initial-Boundary value problem in general relativity: numerical aspects.

10-Cyriaque ATINDOGBE, Institut de Mathématiques et de Sciences Physiques, Dangbo, Bénin, atincyr@gmail.com.
Title: Lightlike submanifolds: new developments and challenges

Online application:

https://goo.gl/forms/vUdUNz6i8E63Wgj13

Further information:

https://sites.google.com/imsp-uac.org/geonet2019

Contact:

geonet.support@imsp-uac.org

Grant:

ACE-MSA will provide a limited number of grants. Priority will be given to female participants from West and Central African countries.

Main sponsors:

Institute of Mathematics and Physics Sciences / University of Abomey-Calavi / African Centre of Excellence in Mathematical Sciences and Applications/ Ministry of Scientific Research, Benin.

Deadline for applications:

31 March 2019

Depuis 1988

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DE L'ENSEIGNEMENT SUPÉRIEUR
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