

CALL FOR APPLICATIONS

” African Mathematical School (AMS) in “Mathematical Methods in Analysis and Probability (2MAP)”

The African Institute for Mathematical Sciences (AIMS) Ghana invites applications for the African Mathematical School (AMS) in “Mathematical Methods in Analysis and Probability (2MAP)” scheduled from 16th to 27th August 2021 at AIMS Ghana in Accra.

The school is organised within the framework of the AMU/CIMPA.

2MAP will bring together renowned international and national scientific researchers, young researchers and graduate students working on functional analysis, calculus of variations, kinetic theory, partial differential equations, gradient flow theory, stochastic analysis, stochastic differential equations, and related numerical methods. The school will be organised around eight (8) courses, and three (3) specially advanced lectures.

The school will offer introductory courses and special lectures centered around methodologies for the analysis of mathematical models appearing across applications in science and engineering.

They are often described in terms of partial and stochastic differential equations. This school offers masters and early doctoral students an overview of recent advances and tools in functional analysis, calculus of variations, kinetic theory, stochastic differential equations and related numerical methods.

2MAP School will be highly interactive and participatory, and will introduce students to concepts and notions in mathematical modelling that are not normally taught in their universities and institutions, provide introductory training for participants who wish to attend the CIMPA school at IMSP Benin the following year.

This ensures continued interaction and sustainability of training. It will also drive knowledge exchange and innovation among African and international researchers with the aim to foster collaborations. The school will enrich multi-disciplinary research between different departments,

Given the evolution of the Corona pandemic, the conference might be held online or in and hybrid form.

APPLICATION REQUIREMENTS: Thanks to the support of the AMS/CIMPA, the Alexander von Humboldt Foundation, the German Minister of Education and Research, and AIMS Ghana, NO REGISTRATION FEES.

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Confirmed Lecturers

- Almut Burchard, University of Toronto, Canada
- Jose A. Carrillo, University of Oxford, UK
- Sandra Cerrai, University of Maryland, US
- Mouhamed Moustapha Fall, AIMS Senegal, Senegal
- Thierry Goudon, INRIA Research Centre Sophia Antipolis, France
- Gisele Mophou, University of Antilles, Guadeloupe
- Frank Proske, University of Oslo, Norway
- Ludovic Tangpi, Princeton University, US

Advance Courses Lecturers

- Joseph Ansong, University of Ghana, Ghana
- Guy Degla, IMSP Benin
- Franca Hoffmann, California Institute of Technology, US

Scientific Committee

- Jose A. Cañizo, Universidad de Granada, Spain
- Kwabena Doku-Amponsah, University of Ghana, Ghana
- Emmanuel Essel, University of Cape Coast, Ghana
- Hamidou Toure, University of Ouagadougou, Burkina Faso
- Peter Imkeller, Humboldt University Berlin, Germany
- Leonard Todjihounde, IMSP, Benin
- Benoit Sehba, University of Ghana, Ghana
- Diaraf Seck, Université Cheikh Anta Diop, Senegal

AIMS School Coordinators

- Olivier Menoukeu Pamen: African Institute for Mathematical Sciences (AIMS) Ghana and University of Liverpool
- Franca Hoffmann: California Institute of Technology, US

Main Organising Committee

- Jose A. Carrillo, University of Oxford, UK
- Guy Degla, IMSP, Benin
- Franca Hoffmann, California Institute of Technology, US
- Olivier Menoukeu Pamen, AIMS Ghana, University of Liverpool, UK

Local Organising Committee

- Olivier Menoukeu Pamen, German Research Chair, AIMS Ghana and University of Liverpool, UK
- Beauty Beatrice Kwawu, Programme Manager, AIMS Ghana, Ghana
- Francis Oduro, Academic Director, AIMS Ghana, Ghana
- Prince Osei, Centre President, AIMS Ghana, Ghana

Apply: shorturl.at/brs37

Deadline for application is 12NOON ON 31ST MAY 2021

All inquiries should be sent via email to the Programme Manager, Beauty Beatrice Kwawu: beautybeatricekwawu@aimsghana.org
The subject of your email should have your full name and the abbreviations of the workshop as example: BeautyBeatriceKwawu_2MAP