



Editorial

Keeping you informed and aware of the AIMS-Cameroon Research Center activities is the main objective of this Newsletter. In this second issue, you can notice that the activities in the center is turned towards Mini-workshops on tools used in Optimal control and controllability of partial differential equations including fractional time differential equations. We hope you will join us in attending the forthcoming Workshops.

Mini Workshops

The Center held two Mini-workshops on Optimal control and controllability of partial differential equations.



From the 7-12 May, Mini workshop on controllability of Partial differential equations.

We were happy to welcome **Dr. DEUGOUE**, from University of Dschang, co-advisor a Research center PhD student

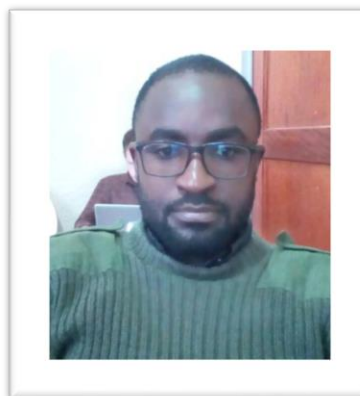
From the 24-31 May, Mini workshop on Optimal control of Partial differential equations with incomplete data.

Prof. Dr. Ousseynou NAKOULIMA, Founder of University of Ouaga3S in Burkina Faso gave a mini course on theory of optimal control and its application to partial differential equations with incomplete

data.



Since **June 14, 2018**, **Chilpéric FOKO KUATE** has been



working at the center. Master student of Yaounde 1. Chilpéric is also a member of the Research center team.

His Master essay is titled "Mathematical modelling of T-cell proliferation dynamics". He recently attended a

workshop in Cape Town on Clinic on the meaningful Modeling of Epidemiological Data co-organized by organized by AIMS South Africa(SACEMA).

Visibility of the Research Center

Les « Doctoriales de l'Université de Dschang », 4-6 June 2018. Main goal was to allow the students to learn how to defend their research works in front of audience



From left to right:

- **Prof. Dr. Gisèle MOPHOU** gave a talk on Optimal control, theory and its application.
- **Landry DJOMEGNE, PhD student** of the center presented the main goal of his research proposal.

Visitors



From the 1-10 June 2018, we welcomed Berrabah **Fatima ZOHRA**, PhD student in Mathematics of the Université Djillali Liabes in Algeria. She is working on fractional differential equations under the supervision of Prof. Hedja BENAOUA.

Seminaries, Conferences and Workshops

Mini Workshop on controllability of PDE, September 2018

This workshop will focus on the understanding of some existing mathematical tools for solving controllability problems.

- **From the 3-7 September 2018**, we will work on Moments Method.
- **From 24-28 September 2018**, we will work on Carleman inequalities.
- **From 03-08 December 2018**, we will work on Inverse problems.

International Workshop on Optimal Control Theory and its Applications (OCA 2018), 15-17 November 2018

The goal is to bring together leading mathematicians working on different aspects of control of PDEs to disseminate the state of art on the subject through a mix of courses and talks. This also gives the opportunity to graduate students as well as researchers to strengthen their knowledge in this field by attending those courses, talks and discussions. The activities include courses by the distinguished professors:

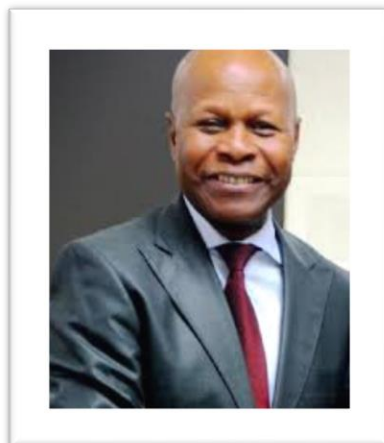


From left to right :

- **Enrique ZUAZUA** (Deusto Tech, Universidad de Deusto, Universidad Automa de Madrid)
- **Marius TUCSNAK** (Institut de Mathématiques de Bordeaux, Université de Bordeaux)
- **Gunter LEUGERING** (Friedrich-Alexander-Universität Erlanger-Nurnberg).

Invited Researchers

In September 2018, we will welcome **Prof. Dr. Gaston NGUEREKATA** from Morgan State University, Baltimore,



USA. His areas of interests include abstract harmonic analysis, spectral theory of bounded functions, almost periodicity and almost automorphy, abstract and fractional differential equations.

Maths Jokes

Question: Why is a calculus book always unhappy?

Answer:

Because it always has lots of problems

Source: <http://www.jokes4us.com/miscellaneousjokes/mathjokes/>

We welcome presentations of original works by researchers and scholars on any topic developed by the Center. For more information, please visit the Center, or contact Prof. Gisèle Mophou at gisele.mophou@aims-cameroon.org.

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