



## Editorial

To keep you posted about the activities running at the AIMS-Cameroon Research Center, we are pleased to share with you our fourth newsletter. Throughout this overview, you will be walked through the activities happening in the center, that are mostly oriented towards Mini-workshops on tools used in Optimal control, controllability of partial differential equations, population dynamics and Shape Optimization. We are hopeful that you will join us in our upcoming Mini-workshops.

## Mini Workshops

### From 2-9 of February, Mini workshop on Continuity and discrete dynamical systems and their applications in population dynamics

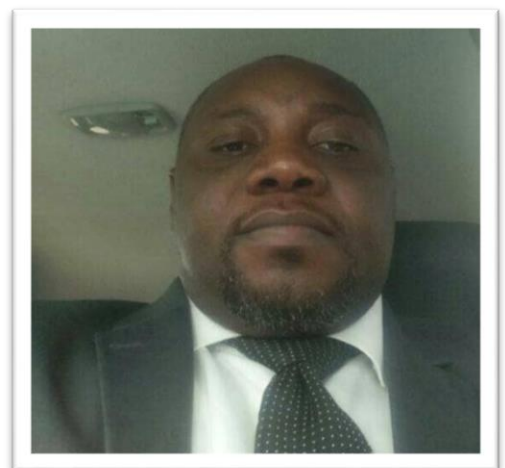


We will welcome **Prof. Somdouda SAWADOGO**, from the University of Ouagadougou, Burkina Faso.

Prof. Somdouda SAWADOGO is a specialist on Optimal control, Mathematical Modeling and their applications to the environment. He is currently a Senior Lecturer on analysis, at the University of Ouagadougou. He will be delivering a course on continuity and/or discrete dynamic systems and their applications in population dynamics to PhD students, interesting AIMS-Cameroon students and others.

### From 22-27 of February, Mini workshop on functional analysis of PDEs and applications

We are happy to welcome **Prof. Duplex Elvis HOUPA DANGA**, from university of Ngaoundere, who will deliver mini courses on Pseudo differential operators and applications to PDEs, and deliver a talk on population dynamic through integrated semi-group. The aims of this lecture is first to investigate some recent problems in the analysis of PDEs and to interact with members of AIMS Cameroon Research Center as well as the graduate students of AIMS-Cameroon.



### From 17-24 of March, Mini workshop on Semi-group of evolution and applications to PDEs



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.

## From 1-10 April, Mini workshop on Shape optimization and its applications

We are happy to welcome **Prof. Diaraf SECK**, from university of UCAD, Senegal who is also supervising students at the Research Center. He will deliver a lecture on Shape Optimization. The aims of this lecture is first to investigate some problems in geometrical analysis of optimal shapes and secondly gives a broader overview of the topics to PhD students in the research center.



Professor at Cheikh Anta Diop University of Dakar, Diaraf SECK is a specialist in geometric and topological analysis of shapes, mathematical modeling and in particular their applications to the environment. He is currently leading a research program on nonlinear analysis, geometry and applications funded by the Simons Foundation; this program brings together researchers from a dozen different universities in West and Central Africa.

## Visibility of the Research Center



University of Douala, Seminar of Prof. Samuel BOWONG's research team ; January 27, 2019

Prof. Dr. Gisèle Mophou gave a talk on Robust Control.

## Announcement

We welcome any researcher/academic willing to present his/her work(s) at the center. We also extend our invitation to researchers to work on the topics developed by the center. For any additional information or to purposely visit the research center, please write to Prof. Dr. Gisèle Mophou at [gisele.mophou@aims-cameroon.org](mailto:gisele.mophou@aims-cameroon.org).

## Maths Jokes

### Question:

How do make seven an even number?

### Answer:

Take the s out!

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

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### Prof. Dr. Gisèle MOPHOU

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