

25-28 Sept,
2023

CAMEROON'S FIRST SCHOOL ON NON-LINEAR DYNAMICS AND COMPLEX SYSTEMS ON HYPERGRAPHS



Campus of the University of Dschang,
Cameroon



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University of Dschang

Aims

The aim of this school is to extend and improve the locals understanding of nonlinear dynamics by introducing among new ways of investigation, the theory of hypergraphs and their applications on complex systems.

Description

In order to get more deeper in the analysis of the dynamics of real systems such as biology, economy, engineering and social science, the school first goal is to introduce new developed theories, analytics and experimental methods that improve investigation in complex systems.

Secondly, as it was found that hypergraphs have properties that are more suitable to describe real life networks than graphs and considering the fact that, investigation on complex systems based on hypergraphs become a hot topic in this field, the school principal goal is to introduce and leads the students and researchers in our region into this active domain. The school will be a very good platform of exchanges with specialists and lectures will be on site and online.

During the four days time of the school, there will be lectures, scientific exchanges and posters session. The accepted participants should attend all the school and posters presentations is obligatory for all students on site.

Topics

- ◆ COMPLEX SYSTEMS
- ◆ HYPERGRAPH
- ◆ OPTIMAL CONTROL

Organizers

Patrick LOUDOP, [University of Dschang, Cameroon](#)

Timoteo CARLETTI, [naXys, University of Namur, Belgium](#)

Thierry NJOUGOU, [naXys, University of Buea, Cameroon](#)

Riccardo MUOLO, [naXys, University of Namur, Belgium](#)

Local organizers

Patrick LOUDOP

Victor KUETCHE

Hilaire FOTSIN

Sandrine MABEKOU

Speakers

- | | |
|---------------------|----------------------|
| ◆ Samuel BOWONG | ◆ Yves FOTSO |
| ◆ Hilda CERDEIRA | ◆ Riccardo MUOLO |
| ◆ Timoteo CARLETTI | ◆ Sifeu TAKOUGANG |
| ◆ Romanic KENGNE | ◆ Mathurin ATEUAFACK |
| ◆ Fernando FERREIRA | ◆ Gael SIMO |

Application : Applicants must send their abstract of presentation or a poster at moclisuds@gmail.com before July 30, 2023. For further information contact **Steve KONGNI** at Steve.kongni@univ-dschang.org

Registration Fees:

There is no registration fee, the school is free to everyone. The number of places is restricted.



Cameroon Physical Society



naXys
Namur Institute
for Complex Systems

Deadline
30 July, 2023