

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 enhance and broaden the understanding of nonlinear dynamics by introducing the theory of hypergraphs and its applications to complex systems.

Description

The main objective of the school is to introduce new theories, analytical and even experimental methods that improve research on complex systems, including applications to biological systems, economics, engineering and social sciences.

Secondly, hypergraphs have properties that are more suitable for describing real-life situations than graphs. Considering the fact that investigations into complex systems based on hypergraphs have become a hot topic, the main objective of the school is to introduce students and researchers to this active domain. The school will provide an excellent platform for exchange with specialists, and lectures will be available both on-site and online.

During the four-day school, there will be lectures, scientific exchanges, and poster sessions. Accepted participants are expected to attend all the school sessions, and poster presentations are open to all on-site students.

Topics

- ◆ COMPLEX SYSTEMS
- ◆ HYPERGRAPHS
- ◆ OPTIMAL CONTROL
- ◆ TURING INSTABILITY

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

Organizers

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

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

Thierry Njougouo, [naXys & University of Buea, Belgium & Cameroon](#)

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

Local organizers

Patrick Louodop

Victor Kuetche

Hilaire Fotsin

Speakers

Samuel Bowong, [University of Douala, Cameroon](#)

Hilda Cerdeira, [ICTP-SAIFR, Brazil](#)

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Beverly Hartline, [Montana Technological University, USA](#)

Bonaventure Nana, [University of Bamenda, Cameroon](#)

Sifeu Takougang, [University of Maroua, Cameroon](#)

Billy Djupkep, [National Research Council Ottawa ON, Canada](#)

Mathurin Ateuafack, [University of Buea, Cameroon](#)

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

Contacts : 00237 695086975 (Patrick Louodop)
00237 678525260 (Steve Kongni)



Cameroon Physical Society



naXys
Namur Institute
for Complex Systems

Modelling Complex and Living systems

Deadline
30 July, 2023