

Annual Meeting of the COMPLEX Doctoral School

February 4, 2020

Université de Namur

8, rempart de la Vierge (room E25, second floor)

B-5000 Namur

13h45-14h00: Registration

14h00-14h15: Welcome address

14h15-15h15: Short talks

- 14h15: “Stochastic Approach and Fluctuation Theorem for Charge Transport in Diodes”
Jiayin Gu, ULB.
- 14h35: “How far are granular chains experiments and bead and spring simulations from expected theoretical results?”
Paul Rambach, UMons.
- 14h55: “Two methods to approximate the Koopman operator with a reservoir computer”
Marvyn Gulina, UNamur.

15h15-15h30: Coffee break

15h30-16h30: Short talks

- 15h30: “Strategies of drug dosing based on pharmacokinetic models”
Pauline Themans, UNamur.
- 15h50: “Influence of natural convection in electrochemical systems”
Alexia Papageorgiou, ULB.
- 16h10: “Nonlinear dynamics of chemically active microdrops grants an insight into interfacial chemistry”
Matvey Morozov, ULB.

16h30: Concluding remarks

17h00-18h00: Inaugural lecture of the 2020 Francqui Chair:

- “Macroscopic order from microscopic disorder: from endogenous noise to topology-driven instability”
Duccio Fanelli, University of Florence.

18h00: Drink