

The graduate school “COMPLEX” organizes the school:

Understanding and exploiting complexity at the nanoscale

January 20-22, 2010

Location: ULB, Salle Solvay, 5th floor, NO Building, Campus Plaine, Bruxelles

Website: <http://homepages.ulb.ac.be/~mesposit/school.html>

Organizers: M. Esposito and P. Gaspard **Funding:** ESF (Exploring the Physics of Small Devices)

Speakers:

Sergio Ciliberto (ENS, Lyon, Fr): “*Measuring nonequilibrium fluctuations*” (3h)

Pierre Gaspard (ULB, Bruxelles, Be): “*Out-of-equilibrium nanosystems:*

principles and applications” (1h)

Hugo Touchette (Queen Mary, London, En): “*Large deviation theory in statistical mechanics*” (3h)

Christian Maes (KUL, Leuven, Be): “*Fluctuation-response relations out-of-equilibrium*” (1h)

Yuli V. Nazarov (Kavli Institute, Delft, Nl): “*Electron counting statistics*” (3h)

Luca Peliti (Federico II, Napoli, It): “*Population genetics and Evolutionary dynamics*” (3h)

Christian Van den Broeck (University of Hasselt, Be): “*What we can learn from confronting*

micro-reversibility with macro-irreversibility” (1h)

Francesco Zamponi (ENS, Paris, Fr): “*Statistical physics of spin glasses*” (3h)

Program:

	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
9:30-10:30	Gaspard	Zamponi	Nazarov
10:30-11:30	Van den Broeck	Peliti	Peliti
Coffee break			
11:50-12:50	Ciliberto	Touchette	Touchette
Lunch			
14:30-15:30	Maes	Zamponi	Nazarov
15:30-16:30	Zamponi	Nazarov	Peliti
Coffee break			
16:50-17:40	Ciliberto	Ciliberto	Touchette

Register before January 14!

Send an empty email to mesposit@ulb.ac.be with title: yes, your full name, your institution