

Equilibrium and Non-equilibrium Statistical Mechanics A conference in honor of François Dunlop

Monday, April 8, 2019 - Wednesday, April 10, 2019

Villa Finaly

Scientific Program

Monday 8 April:

10.30-11.00 **Opening with coffee.**
Introduction by **François Dunlop**

11.00-11.50 **Aernout van Enter:** One-sided versus two-sided dependence.

11.50-12.40 **Loren Coquille:** Gibbs states for (long-range) Ising models.

12.40-14.10 **Lunch**

14.10-15.00 **Hubert Lacoïn:** Wetting, disordered pinning and layering for discrete random interfaces.

15.00-15.50 **Elisabetta Scoppola:** Shaken dynamics for 2d Ising model.

15.50-16.40 **Béatrice de Tilière:** Elliptic dimers and genus 1 Harnack curves.

16.40-17.30 **Coffee break and Poster session.**

Tuesday 9 April:

9.00- 9.50 **Fabio Martinelli:** Universality for kinetically constrained spin models.

9.50-10.40 **Oriane Blondel:** Hydrodynamic limit for a facilitated exclusion process.

10.40-11.00 **Coffee break**

11.00-11.50 **Assaf Shapira:** Kinetically constrained models in random environments.

11.50-12.40 **Anna de Masi:** Fick's law with phase transitions.

12.40-13.50 **Lunch**

13.50-14.40 **Nicoletta Cancrini:** Chaos propagation for balls into bins dynamics.

14.40-15.30 **Stefano Olla:** Hydrodynamics and non-equilibrium stationary states for diffusive systems of conservation laws.

15.30-15.50 **Coffee break**

15.50-16.40 **Pierre Collet:** Time scales in some large population birth and death processes,

quasi stationary distribution and resilience.

18.30-20.00 **Social event**

Wednesday 10 April:

9.00- 9.50 **Emilio Cirillo**: Microscopic stochastic particle models for Fick and Fokker-Planck diffusion equations.

9.50-10.40 **Christian Maes**: Statistical forces and stabilization out-of-equilibrium.

10.40-11.00 **Coffee break**

11.00-11.50 **Alessandra Faggionato**: Stochastic homogenization in amorphous media and applications to Mott variable range hopping.

11.50-12.40 **Senya Shlosman**: Glassy states of the Ising model on trees and Lobachevsky plane.

12.40-14.10 **Lunch**

14.10-15.00 **Alessandra Bianchi**: Random walk in a non-integrable random scenery time.

15.00-15.50 **Roberto Livi**: The discrete non linear Schrödinger equation: an example of inequivalence between statistical ensembles.