

# **Equilibrium and Non-equilibrium Statistical Mechanics**

## **A conference in honor of François Dunlop**

**Monday 08 April 2019 - Wednesday 10 April 2019**

**Villa Finaly**

## **Scientific Programme**

Monday 8 April:

10.30-11.00 Opening - 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 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 Ivan Corwin: Some SPDE limits of interacting particle systems.

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

12.40-14.10 Lunch

14.10-15.00 Nicoletta Cancrini: Chaos propagation for balls into bins dynamics.

15.00-15.50 Stefano Olla: TBA.

15.50-16.10 Coffee Break

16.10-17.00 Pierre Collet: Time scales in some large population

birth and death processes, quasi stationary  
distribution and resilience.

17.00-17.50 Stefan Adams: Large deviations and concentration of  
scaling limits for  $(1+1)$  dimensional fields  
with Laplacian interaction with pinning and wetting

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: A frenetic cause for suprathreshold tails.

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.