INHOMOGENEOUS RANDOM SYSTEMS
Systèmes Aléatoires Inhomogènes

January 23-24, 2018

Institut Henri Poincaré
Amphi Hermite
11 rue Pierre et Marie Curie, Paris
http://www.ihp.fr

Tuesday 23 January:
Universality and scaling limits of interacting random systems
Moderator: **Milton Jara (Rio de Janeiro)**

9h00 – 9h10 : Opening
9h10 – 10h00 : **Milton Jara (Rio de Janeiro)**: *Non-equilibrium fluctuations of interacting particle systems.*
10h00 – 10h50 : **Francesco Caravenna (Milano)**: *Pinning model, universality and rough paths.*
10h50 – 11h10 : Coffee Break
11h10 – 12h00 : **Massimiliano Gubinelli (Bonn)**: *Weak universality of singular SPDE's.*
12h00 – 12h50 : **Bertrand Duplantier (Saclay & Paris)**: *Integral Means Spectrum of Whole-Plane SLE.*
12h50 – 14h10 : Lunch
14h10 – 15h00 : **Otávio Menezes (Lisboa)**: *Invariance principle for a slowed random walk driven by symmetric exclusion.*
15h00 – 15h50 : **Wioletta Ruszel (Delft)**: *Scaling limits of odometers in sandpile models.*
15h50 – 16h10 : Coffee Break
16h10 – 17h00 : **Benoît Laslier (Paris)**: *Universal and non-universal properties in the dimer model.*
17h00 – 17h50 : **Dmitry Chelkak (Paris & St. Petersburg)**: *S-embeddings of planar graphs carrying the Ising model.*

Wednesday 24 January:
Diffusion in simple and multi-component fluids
Moderator: **Anna De Masi (L'Aquila)**

9h15 – 9h40 : **Anna De Masi (L'Aquila)**: *Introduction.*
9h40 – 10h30 : **Rajamani Krishna (Amsterdam)**: *Uphill Diffusion.*
10h30 – 10h50 : Coffee Break
10h50 – 11h40 : **Cristian Giardinà (Modena)**: *Non-equilibrium 2D Ising model with stationary uphill diffusion.*
11h40 – 12h30 : **Cédric Bernardin (Nice)**: *Microscopic Models for Fractional Reaction-Diffusion Equations with Dirichlet Boundary Conditions.*
12h30 – 14h00 : Lunch
14h00 – 14h50 : **Bernard Derrida (Paris)**: *The Fisher KPP equation: some exactly soluble versions.*
14h50 – 15h40 : **Gioia Carinci (Delft)**: *Particle Systems and Free Boundary Problems.*
15h40 – 16h00 : Coffee Break
16h00 – 16h50 : **Dimitrios Tsagkarogiannis (L'Aquila)**: *Fourier law, phase transitions and the stationary Stefan problem.*
16h50 – 17h40 : **Laurent Desvillettes (Paris)**: *A microscopic approach to cross diffusion equations in population dynamics.*

Informations and abstracts at: **http://irs.math.cnrs.fr**

Registration:

The conference is free and open to all.
To facilitate local organization, please register in advance by sending an e-mail with your name, affiliation and mail address to:

inter@math.cnrs.fr with subject: **IRS 2018**

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