

INHOMOGENEOUS RANDOM SYSTEMS
Systèmes Aléatoires Inhomogènes

January 22-23, 2013
Institut Henri Poincaré
11, rue Pierre et Marie Curie, Paris
<http://www.ihp.fr>

Tuesday, January 22nd:
New trends in metastability.
Moderator: **Claudio Landim.**

- 9h00 – 9h15 : Opening
9h15 – 9h35 : **Claudio Landim (Rouen & Rio de Janeiro):** *Introduction.*
9h35 – 10h25 : **Johel Beltrán (Lima):** *Nucleation for the zero range process on a finite set of sites.*
10h25 – 10h45 : Coffee Break
10h45 – 11h35 : **Michail Loulakis (Αθήνα):** *Scaling limit of the condensate dynamics in a reversible zero-range process.*
11h35 – 12h25 : **Alexandre Gaudillière (Marseille):** (κ, λ) -capacities and soft measures.
12h25 – 14h00 : Lunch
14h00 – 14h50 : **Augusto Teixeira (Rio de Janeiro):** *Metastability for a polymer close to an interface.*
14h50 – 15h40 : **Sabine Jansen (Leiden):** *Metastability at low temperature for continuum interacting particle systems.*
15h40 – 16h00 : Coffee Break
16h00 – 16h50 : **Frank den Hollander (Leiden):** *Metastability for Kawasaki dynamics at low temperature with two types of particles.*
16h50 – 17h40 : **Fabio Martinelli (Roma):** *Metastable dynamics in two examples of a surface interacting with a wall.*

Wednesday, January 23rd:
Are all the 1/3 equal?
Moderator: **Senya Shlosman.**

- 9h30 – 10h20 : **Senya Shlosman (Marseille):** *Are all the 1/3's equal? – Various opinions.*
10h20 – 11h10 : **Ivan Velenik (Genève):** *Equilibrium properties of a layer of unstable phase.*
11h10 – 11h30 : Coffee Break
11h30 – 12h20 : **Alexei Borodin (Boston):** *KPZ 1/3 and beyond via Macdonald processes.*
12h20 – 14h00 : Lunch
14h00 – 14h50 : **Alan Hammond (Oxford):** *No! Three different one-thirds. (Or, three instances of the competition between curvature and fluctuation).*
14h50 – 15h40 : **Vadim Gorin (Москва):** *Integrable probability on interlacing particles.*
15h40 – 16h00 : Coffee Break
16h00 – 16h50 : **Fabio Toninelli (Lyon):** $L^{1/3}$ fluctuations for the contours of the 2D SOS model.
16h50 – 17h40 : **Victor Dotsenko (Paris):** *Bethe ansatz derivations of the Tracy-Widom distributions in one-dimensional directed polymers.*

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 2013**

or mail to Ellen Saada, Laboratoire MAP5,

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