



INHOMOGENEOUS RANDOM SYSTEMS,
LARGE DEVIATIONS AND HYDRODYNAMIC LIMITS



Wednesday 25 January 1995
9h-18h Amphi Carnot
Ecole Polytechnique, Palaiseau

9h - 9h15 : RECEPTION

- 9h15 - 10h : **Bernard Derrida (ENS Paris)**: *Exact results in asymmetric simple exclusion problems.*
10h - 10h20 : **Antonio Galves (São Paulo)**: *Occurrence times of rare events in interacting particle systems.*
10h20 - 10h40 : **Xian Yin Zhou (Bochum)**: *Free energy of a random walk with random potential.*

10h40 - 10h50 : COFFEE BREAK

- 10h50 - 11h35 : **Lyderic Bocquet (ENS Lyon)**: *From Liouville's equation to Stokes' law: A microscopic approach to Brownian dynamics in colloidal suspensions.*
11h35 - 11h55 : **Jorge Kurchan (ENS Paris)**: *Asymptotic out-of-equilibrium regime in glassy dynamics.*
11h55 - 12h15 : **Valentin Zagrebnov (Marseille)**: *Orientational long-range order in a lattice-gas model of nematic liquid crystal.*

12h30 - 14h15 : LUNCH

- 14h15 - 15h : **József Fritz (Budapest)**: *Entropy arguments in infinite volumes.*
15h - 15h20 : **Mustapha Mourragui (Rouen)**: *Hydrodynamic limit of zero-range processes in infinite volume.*
15h20 - 15h40 : **Lorenzo Bertini (Polytechnique)**: *Rigorous derivation of the Kardar-Parisi-Zhang equation.*

15h40 - 16h : COFFEE BREAK

- 16h - 16h45 : **Francis Comets (Paris 7)**: *The Sherrington-Kirkpatrick model at high temperature.*
16h45 - 17h05 : **Koen Van de Velde (Leuven)**: *The fuzzy Potts model.*
17h05 - 17h25 : **Jean Ruiz (Marseille)**: *On the purity of the limiting Gibbs state for the Ising model on the Bethe lattice.*

The conference is free and open to all. If you have not yet registered, you are invited to do so by sending a filled copy of the form below:

Name:

Institution:

Address:

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Phone: Fax:

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Conference Lunch : YES [] NO [] (unique price of 50F to be paid at the meeting)

Return by email to inter@orphee.polytechnique.fr

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