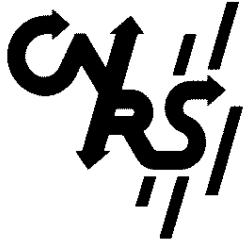


# INHOMOGENEOUS RANDOM SYSTEMS

## *Systèmes Aléatoires Inhomogènes*



January 22-23, 2008

Amphi Darboux

Institut Henri Poincaré

11, rue Pierre et Marie Curie, Paris

<http://www.ihp.jussieu.fr>

Tuesday 22 January:

**Stochastic models For evolution.**

Moderator: **Sylvie Méléard.**

- 9h15 – 9h30 : Opening
- 9h30 – 9h50 : **Sylvie Méléard (Palaiseau):** *Introduction.*
- 9h50 – 10h40 : **Hans Metz (Leiden):** *Relating the effective population sizes of adaptive dynamics and random genetic drift.*
- 10h40 – 11h00 : Coffee Break
- 11h00 – 11h50 : **Nicolas Champagnat (Sophia Antipolis):** *A study of evolutionary branching in a logistically regulated population.*
- 11h50 – 12h40 : **Pierre Collet (Palaiseau):** *Quasi stationary distributions and applications to diffusions in population dynamics.*
- 12h40 – 14h30 : Lunch
- 14h30 – 15h20 : **Vlada Limic (Marseille):** *Coalescent with rebirth.*
- 15h20 – 16h10 : **Nathanaël Berestycki (Cambridge):** *Spatially Structured Coalescing Particle Systems.*
- 16h10 – 16h30 : Coffee Break
- 16h30 – 17h20 : **Anton Wakolbinger (Frankfurt):** *How often does the ratchet click?*

Wednesday 23 January:

**Ancestral problems in population genetics.**

Moderator: **Thierry Huillet.**

- 9h15 – 9h35 : **Thierry Huillet (Cergy-Pontoise):** *Introduction.*
- 9h35 – 10h25 : **Robert C. Griffiths (Oxford):** *Ancestral inference from gene trees.*
- 10h25 – 10h45 : Coffee Break
- 10h45 – 11h35 : **Amaury Lambert (Paris):** *Mutation patterns for the coalescent point process.*
- 11h35 – 12h25 : **Martin Möhle (Düsseldorf):** *Asymptotic results for some functionals of the Bolthausen-Sznitman coalescent.*
- 12h25 – 14h15 : Lunch
- 14h15 – 15h05 : **Ellen Baake (Bielefeld):** *Ancestral processes with selection: Branching and Moran models.*
- 15h05 – 15h55 : **Damien Simon (Paris):** *Effect of selection on population dynamics: travelling waves and genealogies.*
- 15h55 – 16h15 : Coffee Break
- 16h15 – 17h05 : **Maurizio Serva (L'Aquila):** *Family trees: languages and genetics.*
- 17h05 – 17h55 : **Richard A. Blythe (Edinburgh):** *Dialects, demes and duality.*

Informations and abstracts at: <http://www.u-cergy.fr/lptm/inter/>

## 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 2008**

or mail to Ellen Saada, Laboratoire de Mathématiques Raphaël Salem,

Université de Rouen, Avenue de l'Université, BP.12,

76801 Saint Etienne du Rouvray cedex, France.

Fax: +33 2 3295 5286

François Dunlop

Physique Théorique et Modélisation

Université de Cergy-Pontoise

(33)1 3425 7509

Thierry Gobron

Physique Théorique et Modélisation

Université de Cergy-Pontoise

(33)1 3425 7511

Ellen Saada

Mathématiques, Raphaël Salem

Université de Rouen

(33)2 3295 5262

*Partially supported by CNRS.*