

Centre de recherches mathématiques
Université de Montréal

Atelier «Nouvelles avenues en processus spatiaux aléatoires»
Du 11 au 15 mai 2009

*Workshop “New Directions in Random Spatial Processes”
May 11-15, 2009*

HORAIRE / PROGRAM

Conférences : salle 6214
Pauses-café : salle 6245

*Lectures: Room 6214
Coffee Breaks: Room 6245*

Le lundi 11 mai 2009 / *Monday, May 11, 2009*

08:30 - 09:00 Café croissants (6245) / *Coffee & Croissants (6245)*

08:45 - 09:00 Inscription (5345) / *Registration (5345)*

09:00 - 09:50 **Geoffrey Grimmett** (University of Cambridge)
“Words, embeddings, and dependent percolation”

10:00 - 10:50 **James Martin** (Oxford University)
“Multiclass queues and particle systems”

11:00 - 11:30 Pause-café / *Coffee break*
(Salle / *Room* 6245)

11:30 - 12:20 **Johan Wästlund** (Chalmers University of Technology)
“Optimization in mean-field and spatial models”

12:30 - 14:30 Pause-déjeuner / *Lunch break*

14:30 - 15:20 **Christina Goldschmidt** (University of Oxford)
“Behaviour near the extinction time in stable fragmentation processes”

15:30 - 16:20 **Robin Pemantle** (University of Pennsylvania)
“How many random integers from 1 to N must you see before some subset has a square product?”

16:30 Cocktail de bienvenue (6245) / *Welcoming reception (6245)*

Le mardi 12 mai 2009 / Tuesday, May 12, 2009

08:30 - 09:00 Café croissants (6245) / *Coffee & Croissants (6245)*

09:00 - 09:50 **Peter Winkler** (Dartmouth College)
“Branched polymers”

10:00 - 10:50 **David B. Wilson** (Microsoft Research)
“Double-dimer pairings and skew Young diagrams”

11:00 - 11:30 Pause-café / *Coffee break*
(Salle / Room 6245)

11:30 - 12:20 **Maria Deijfen** (Stockholm University)
“Invariant random graphs with prescribed iid degrees”

12:30 - 14:30 Pause-déjeuner / *Lunch break*

14:30 - 15:20 **Dan Romik** (The Hebrew University)
“Alternating sign matrices - recent progress and open problems”

15:30 - 16:20 Session de travail / *Open Problem Session*

16:30 Café, thé, biscuits (6245) / *Coffee, tea, cookies (6245)*

Le mercredi 13 mai 2009 / Wednesday, May 13, 2009

08:30 - 09:00 Café croissants (6245) / *Coffee & Croissants (6245)*

09:00 - 09:50 **Bálint Tóth** (Budapest University of Technology)
“Diffusive bounds for some self-interacting random walks”

10:00 - 10:50 **Franz Merkl** (University of Munich)
“Linearly edge-reinforced random walks”

11:00 - 11:30 Pause-café / *Coffee break*
(Salle / Room 6245)

11:30 - 12:20 **Nina Gantert** (Fachbereich Mathematik und Informatik)
“RWRE bridges”

: Après-midi libre / *Free afternoon*

Le jeudi 14 mai 2009 / *Thursday, May 14, 2009*

08:30 - 09:00 Café croissants (6245) / *Coffee & Croissants (6245)*

09:00 - 09:50 **James Propp** (University of Massachusetts Lowell)
“Rotor walks and Markov chains”

10:00 - 10:50 **Lionel Levine** (Massachusetts Institute of Technology)
“Growth rates and explosions in sandpiles”

11:00 - 11:30 Pause-café / *Coffee break*
(Salle / *Room* 6245)

11:30 - 12:20 **Cristina Toninelli** (Univ Paris VI-VII and CNRS)
“A bootstrap-like algorithm with a discontinuous glass transition”

12:30 - 14:30 Pause-déjeuner / *Lunch break*

14:30 - 15:20 **Janko Gravner** (University of California, Davis)
“Large range random growth models”

15:30 - 16:20 **Leonardo Rolla** (École Normale Supérieure)
“The Broken Line Process”

16:30 Café, thé, biscuits (6245) / *Coffee, tea, cookies (6245)*

Le vendredi 15 mai 2009 / *Friday, May 15, 2009*

08:30 - 09:00 Café croissants (6245) / *Coffee & Croissants (6245)*

09:00 - 09:50 **Charles M. Newman** (Courant Institute, NYU)
“Ising Euclidean fields and cluster area measures”

10:00 - 10:50 **Pablo Augusto Ferrari** (Universidad de Buenos Aires)
“Rescaling a slow-to-start model”

10:50 - 11:30 Pause-café / *Coffee break*
(Salle / *Room* 6245)

11:30 - 12:20 **Bálint Virág** (University of Toronto)
“Random walks on binary sequences, classical fractals and groups”

12:30 - 14:30 Pause-déjeuner / *Lunch break*

14:30 - 15:20 **Frank Redig** (Universiteit Leiden)
“The symmetric inclusion process”

15:30 - 16:20 **Adam Timar** (Universität Bonn)
“Equivariant colorings of random planar graphs”

16:30 Café, thé, biscuits (6245) / *Coffee, tea, cookies (6245)*