

The joint workshop LPTMS (Orsay) – Laboratory J.Poncelet (Moscow)

STRUCTURE FORMATION AND RANDOM PROCESSES ON GRAPHS AND NETWORKS

Will held during the period **20 – 24 February, 2006** in Orsay (France) at Campus Université Paris-Sud, Orsay, Bat.100, every day during 10-00–15-00

This mini-conference is organized in the frameworks of ACI project “Nouvelles Interfaces des Mathématiques” (ACI-NIM-2004-243 “Statistical Topology in mathematics, physics and computer science”).

Organizing and Program Committee:

Sergei Nechaev (LPTMS, Orsay),
Stephane Ouvry (LPTMS, Orsay),
Alexey Sossinsky (Lab. Poncelet, Moscow),
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The duration of each talk is **55 min + 5 min** for extra discussions. Blackboard, overhead and multimedia projectors are available.

Conference program

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Name	Title of the talk	email
Vladik Avetisov	Ultrametric diffusion models in protein dynamics	avetisov@chph.ras.ru
Leonid Chekhov	Ihara formula for graphs	chekhov@mi.ras.ru
Jean Desbois	Spectral determinants of Schroedinger operators on graphs	desbois@lptms.u-psud.fr
Jesper Jacobsen	Traveling salesman	jacobsen@lptms.u-psud.fr
Gleb Koshevoy	Weighted colored graphs, crystal bases, and Yang-Baxter-Verma group	gleb_koshevoy@mail.ru
Sergei Lando	Graph invariants producing knot invariants	lando@mccme.ru
Clémence Magnien	Random walks on graphs: search, exploration and classification	Clemence.Magnien@shs.polytechnique.fr
Jean Mairesse	Markovian sources and random walks on virtually free groups	Jean.Mairesse@liafa.jussieu.fr
Olivier Martin	Spin glass energy landscapes on random graphs	martino@lptms.u-psud.fr
Marc Mezard	Information broadcast on a tree: the reconstruction problem	mezard@lptms.u-psud.fr
Jacques-Olivier Moussafir	Computation of braid entropies	msfr@mac.com
Alexander Rybko	Poisson hypothesis for information networks (A Study on nonlinear Markov processes)	rybko@iitp.ru
Michael Tamm	Necklace-cloverleaf transition in associating RNA-like diblockcopolymers	tamm@polly.phys.msu.ru
Christophe Texier	Spectral determinants	texier@lptms.u-psud.fr
Raphaël Voituriez	Biological optimization	voiturie@lptl.jussieu.fr

Conference timetable (tentative)

**STRUCTURE FORMATION AND RANDOM PROCESSES
ON GRAPHS AND NETWORKS**

day \ time	9 ⁰⁰ -10 ⁰⁰	10 ⁰⁰ -11 ⁰⁰	11 ⁰⁰ -11 ⁰⁰	12 ⁰⁰ -14 ⁰⁰	14 ⁰⁰ -15 ⁰⁰
Monday, February, 20	M.Mezard	J.-O.Moussafir	J.Mairesse	welcome party, room 201	
Tuesday, February, 21		J.Desbois	L.Chekhov	<i>lunch</i>	C.Textier
Wednesday, February, 22		S.Lando	G.Koshevoy	<i>lunch</i>	J.Jacobsen
Thursday, February, 23		V.Avetisov	O.Martin	<i>lunch</i>	R.Voituriez
Friday, February, 24		A.Rybko	C.Magnien	<i>lunch</i>	M.Tamm