

« Random Walks and Asymptotic Geometry of Groups »
January 6th – April 4th, 2014

Conference

« Groups acting on rooted trees and around »

Paris, February 24th – 28th, 2014
Amphithéâtre Hermite

ORGANIZERS

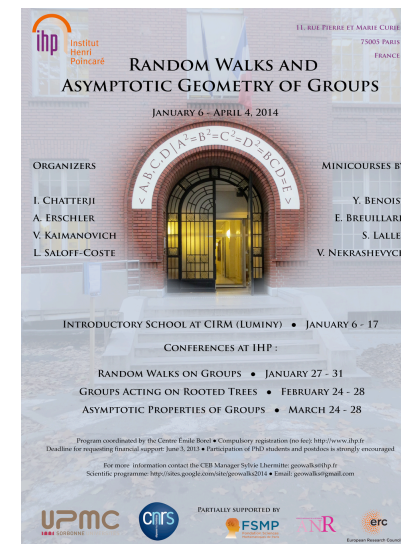
Rostislav Grigorchuk (Texas A&M University, USA)
Vadim Kaimanovich (University of Ottawa, Canada)
Volodymyr Nekrashevych (Texas A&M University, USA)
Dmytro Savchuk (University of South Florida, USA)

SPEAKERS

Gideon Amir (Bar-Ilan University, Israel)
Goulnara Arzhantseva (Univ. of Vienna/Erwin Schrödinger Inter. Inst., Austria)
Tullio Ceccherini-Silberstein (Università del Sannio, Italy)
Michel Coornaert (Université de Strasbourg, France)
Yves de Cornulier (CNRS - University Paris-Sud, France)
Artem Dudko (Stony Brook University, IMS, USA)
Murray Elder (University of Newcastle, Australia)
Kate Juschenko (Northwestern University, USA)
Martin Kassabov (Cornell University, USA)
Olga Kharlampovich (Hunter College, CUNY, New York, USA)
Ines Klimann (LIAFA, Université Paris Diderot, France)
Rostyslav Kravchenko (University of Chicago, USA)
Andrei Malyutin (PDMI RAS, Russia)
Nicolas Matte Bon (ENS Paris, France)
Alexei Miasnikov (Stevens Institute of Technology, USA)



Piotr Nowak (University of Warsaw and IMPAN, Poland)
Denis Osin (Vanderbilt University, USA)
Igor Pak (UCLA, USA)
Gilles Pisier (Texas A&M University, USA)
Ihor Samoiloivych (Taras Shevchenko University of Kyiv, Ukraine)
Dan Segal (University of Oxford, UK)
Said Sidki (University of Brasilia, Brazil)
Tatiana Smirnova Nagnibeda (University of Geneva, Switzerland)
Benjamin Steinberg (City College of New York, USA)
Zoran Sunic (Texas A&M University, USA)
Vitaly Suschanskyy (Silesian University, Poland)
Andreas Thom (University of Leipzig, Germany)
Alexander Ushakov (Stevens Institute of Technology, USA)
Alina Vdovina (Newcastle University, UK)
George Willis (University of Newcastle, NSW, Australia)
Pavel Zalesskii (University of Brasilia, Brazil)



PROGRAM

Monday February 24th

09.00 am – 09.30 am	Registration and Welcome Coffee on Ground floor of IHP	
09.30 am – 10.15 am	George Willis	A normal form for almost automorphisms of trees.
10.25 am – 11.10 am	Tullio Ceccherini-Silberstein	Cellular automata between sofic tree shifts.
11.20 am – 12.05 pm	Michel Coornaert	Some remarks on sofic monoids .
12.05 pm – 01.45 pm	<i>Lunch time</i>	
01.45 pm – 02.30 pm	Goulnara Arzhantseva	Coarse monster graphs and groups.
02.40 pm – 03.25 pm	Yves de Cornulier	Independent presentations and condensation in the space of groups.
03.25 pm – 03.55 pm	<i>Coffee break</i>	
03.55 pm – 04.40 pm	Igor Pak	TBA.
04.50 pm – 05.35 pm	Nicolas Matte Bon	Random walks on topological full groups.
05.35 pm – 06.30 pm	Poster session	
06.30 pm – 09.00 pm	Cocktail Dinner Party	On Ground floor of IHP

Tuesday February 25th

09.30 am – 10.15 am	Dan Segal	Some questions about power subgroups and open subgroups in profinite groups.
10.30 am – 11.15 am	Piotr Nowak	Aperiodic tilings and groups of intermediate growth.
11.15 am – 11.45 am	<i>Coffee break</i>	
11.45 am – 12.30 pm	Artem Dudko	On characters of approximately finite groups and Higman-Thompson groups.
12.30 pm – 02.00 pm	<i>Lunch time</i>	
02.00 pm – 02.45 pm	Benjamin Steinberg	Self-similar semigroups and finite state Markov chains.
03.00 pm – 03.45 pm	Andrei Maljutin	TBA.
03.45 pm – 04.15 pm	<i>Coffee break</i>	
04.15 pm – 05.00 pm	Andreas Thom	Random walks and invariant random forrests.

Wednesday February 26th

09.30 am – 10.15 am	Alexei Miasnikov	TBA.
10.30 am – 11.15 am	Olga Kharlampovich	Actions, length functions, and non-archemedian words.
11.15 am – 11.45 am	<i>Coffee break</i>	<i>Ground floor of IHP</i>
11.45 am – 12.30 pm	Alexander Ushakov	Quadratic equations in the Grigorchuk group.
12.30 pm – 02.00 pm	<i>Lunch time</i>	
02.00 pm – 02.45 pm	Tatiana Smirnova Nagnibeda	Lamplighters, spider-web and de Bruijn graphs.
03.00 pm – 03.45 pm	Ines Klimann	Automaton semigroups: the two-state case.
03.45 pm – 04.15 pm	<i>Coffee break</i>	<i>Ground floor of IHP</i>
04.15 pm – 05.00 pm	Gilles Pisier	Quantum expanders and growth of group representations.

Thursday February 27th

09.30 am – 10.15 am	Martin Kassabov	Groups of oscillating intermediate growth.
10.30 am – 11.15 am	Vitaly Suschanskyy	Automorphisms of ended and restricted ended trees and their applications .
11.15 am – 11.45 am	<i>Coffee break</i>	<i>Ground floor of IHP</i>
11.45 am – 12.30 pm	Said Sidki	On the n-ary adding machine.
12.30 pm – 02.00 pm	<i>Lunch time</i>	
02.00 pm – 02.45pm	Samoilovych Ihor	Self-similar groups of finite type.
03.00 pm – 03.45 pm	Pavel Zalesskii	The congruence subgroup problem for groups acting on rooted trees.
03.45 pm – 04.15 pm	<i>Coffee break</i>	<i>Ground floor of IHP</i>
04.15 pm – 05.00 pm	Zoran Sunic	Finitely constrained groups of maximal Hausdorff dimension.

Friday February 28th

09.30 am – 10.15 am	Murray Elder	Random walks on trivial words in groups.
10.30 am – 11.15 am	Alina Vdovina	Buildings and fake quadrics.
11.15 am – 11.45 am	<i>Coffee break</i>	<i>Ground floor of IHP</i>
11.45 am – 12.30 pm	Rostyslav Kravchenko	Chracteristic random subgroups of a free abelian group of infinite rank and of infinite dimentional torus.



12.30 pm – 02.00 pm

Lunch time

02.00 pm – 02.45 pm

Denis Osin

C*-simple groups without free subgroups

03.00 pm – 03.45 pm

Gideon Amir

A continuum of exponents for the rate of escape of random walks on groups.

03.45 pm – 04.15 pm

Coffee break

Ground floor of IHP

04.15 pm – 05.00 pm

Kate Juschenko

Amenability via actions of groups.

