

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

Conference

« **Asymptotic properties of groups** »

Paris March 24th, 2014 – **Amphithéâtre Friedel – ENSCP** (same Campus as IHP)

Paris March 25th – 28th, 2014 – **Amphithéâtre Hermite & Darboux – IHP**

ORGANIZERS

Emmanuel Breuillard (University of Paris-Sud, France)

Indira Chatterji (University of Orléans, France)

Anna Erschler (University of Paris-Sud, France)

SPEAKERS

Miklos Abert (Renyi Institute, Budapest, Hungary)

Laurent Bartholdi (Göttingen, Germany)

Yves Benoist (Orsay, France)

Mladen Bestvina (University of Utah, USA)

Martin Bridson (Oxford, UK)

Thomas Delzant (Strasbourg, France)

Joel Friedman (University of British Columbia, Canada)

Rostislav Grigorchuk (Texas A&M, USA)

Gilbert Levitt (Caen, France)

Elon Lindenstrauss (Hebrew University, Jerusalem, Israel)

Alex Lubotzky (Hebrew University, Jerusalem, Israel)

Nicolas Monod (EPFL, Lausanne, Switzerland)

Amos Nevo (Technion, Israel)

Nikolai Nikolov (Oxford, UK)

Alexander Olshanskiy (Vanderbilt University, USA)

Leonid Potyagailo (Lille, France)

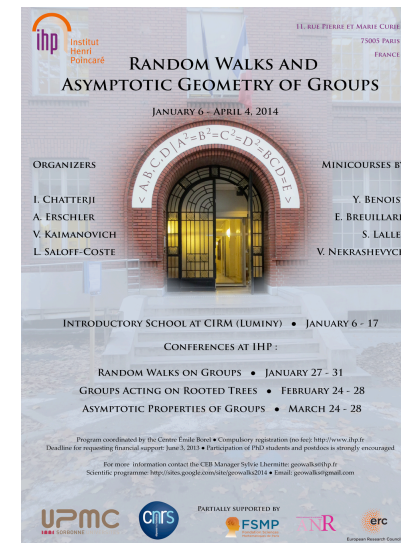
Eliyahu Rips (Hebrew University, Jerusalem, Israel)

Mark Sapir (Vanderbilt University, USA)

Zlil Sela (Hebrew University, Jerusalem, Israel)

Karen Vogtmann (Cornell University, USA)

John Wilson (Oxford, UK)



PROGRAM

Monday March 24th

Amphithéâtre Friedel – ENSCP (same Campus as IHP)

09.45 am – 10.15 am	Registration and welcome	Coffee on Ground floor of IHP
10.15 am – 11.00 am	Rostislav Grigorchuk	Invariant random subgroups of groups of the lamplighter type and some geometric groups.
11.15 am – 12.00 pm	Martin Bridson	Profinite isomorphism problems.
12.00 pm – 02.00 pm	<i>Lunch break</i>	
02.00 pm – 02.45 pm	Eliyahu Rips	Free Engel Groups and Similar Groups.
03.00 pm – 03.45 pm	Yves Benoist	Random walk on p-adic flag varieties.
03.45 pm – 04.15 pm	<i>Coffee break</i>	
		<i>Ground floor of IHP</i>
04.15 pm – 05.00 pm	Nikolai Nikolov	Right angled cocompact lattices in higher rank simple Lie groups.

Tuesday March 25th

Amphithéâtre Hermite & Darboux – IHP

10.00 am – 10.45 am	Elon Lindenstrauss	Spectral gap, random walks on Euclidean isometry groups, and self-similar measures.
10.45 am – 11.15 am	<i>Coffee break</i>	
11.15 am – 12.00 pm	Thomas Delzant	Holomorphic families of Riemann surfaces from the point of view of asymptotic group theory.
12.00 pm – 02.00 pm	<i>Lunch break</i>	
02.00 pm – 02.45 pm	Alexander Olshanskiy	Relative growth of subgroups in finitely generated groups.
03.00 pm – 03.45 pm	Poster Session	
03.45 pm – 04.15 pm	<i>Coffee break</i>	
		<i>Ground floor of IHP</i>
04.15 pm – 05.00 pm	Laurent Bartholdi	Imbeddings in groups of subexponential growth.

Wednesday March 26th

Amphithéâtre Hermite & Darboux – IHP

10.00 am – 10.45 am	Alex Lubotzky	Quantum error correcting codes and asymptotic properties of 4-dimensional arithmetic hyperbolic manifolds.
10.45 am – 11.15 am	<i>Coffee break</i>	
11.15 am – 12.00 pm	Joel Friedman	Sheaves on Graphs, L^2 Betti Numbers, and Applications.
12.15 pm – 01.00 pm	Nicolas Monod	Cutting and pasting: a group for Frankenstein.

FREE AFTERNOON

Thursday March 27th**Amphithéâtre Hermite & Darboux – IHP**

10.00 am – 10.45 am	Amos Nevo	On best possible rates of Diophantine approximation by lattice orbits.
10.45 am – 11.15 am	<i>Coffee break</i>	<i>Ground floor of IHP</i>
11.15 am – 12.00 pm	Zlil Sela	Envelopes and equivalence relations in a free group.
12.30 pm – 02.00 pm	<i>Lunch break</i>	
02.00 pm – 02.45 pm	Mladen Bestvina	On the asymptotic dimension of a curve complex.
03.00 pm – 03.45 pm	John Wilson	Metric ultraproducts of finite simple groups.
03.45 pm – 04.15 pm	<i>Coffee break</i>	<i>Ground floor of IHP</i>
04.15 pm – 05.00 pm	Mark Sapir	The Tarski numbers of groups.
06.30 pm	Cocktail Dinner Party	Jussieu – Pierre and Marie Curie University (UPMC)
	(participants who registered for this cocktail will receive the instructions per e-mail)	
		Note : bring your ID card or passport

Friday March 28th**Amphithéâtre Hermite & Darboux – IHP**

10.00 am – 10.45 am	Miklos Abert	Invariant random subgroups.
10.45 am – 11.15 am	<i>Coffee break</i>	<i>Ground floor of IHP</i>
11.15 am – 12.00 pm	Leonid Potyagailo	Similar Relatively hyperbolic actions of a group.
12.00 pm – 02.00 pm	<i>Lunch break</i>	
02.00 pm – 02.45 pm	Gilbert Levitt	Vertex finiteness for relatively hyperbolic groups.
03.00 pm – 03.45 pm	Karen Vogtmann	Outer space for right-angled Artin groups.
03.45 pm – 04.15 pm	<i>Coffee break and END OF CONFERENCE</i>	