

GROUPS, LANGUAGES AND RANDOM WALKS

June 3-7, 2024, PALAZZONE, CORTONA



PROGRAM

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 – 09:30 Registration Chair: <i>E. Sava-Huss</i>				
09:30 – 09:45 Opening organizers	09:00 – 09:45 <i>A. Erschler (online)</i>	09:00 – 09:45 <i>V. Wachtel</i>	09:00 – 09:45 <i>L. Saloff-Coste</i>	09:00 – 09:45 <i>K. Raschel</i>
09:45 – 10:30 <i>E. Breuillard</i>	10:00 – 10:30 <i>G. Tiozzo</i>	10:00 – 10:30 <i>D. Bertacchi</i>	10:00 – 10:30 <i>M. Tointon</i>	10:00 – 10:30 <i>A. Dor-On</i>
10:30 – 11:00 Coffee break	10:30 – 11:00 Coffee break	10:30 – 11:00 Coffee break	10:30 – 11:00 Coffee break	10:30 – 11:00 Coffee break
11:00 – 11:30 <i>F. Ledrappier</i>	11:00 – 11:30 <i>K. Schmidt</i>	11:00 – 11:30 <i>M. Peigne</i>	11:00 – 11:30 <i>T. Zheng</i>	11:00 – 11:30 <i>K. Kolesko</i>
11:30 – 12:00 <i>A. Yadin</i>	11:30 – 12:00 <i>Y. Hartman</i>	11:30 – 12:00 <i>S. Brofferio</i>	11:30 – 12:00 <i>F. Zucca</i>	11:30 – 12:00 Concluding words
12:00 – 12:30 <i>L. Bartholdi</i>	12:00 – 12:15 <i>H. Oppelmayr</i>	12:00 – 12:15 <i>N. Nicolussi</i>	12:00 – 12:30 <i>F. Lehner</i>	
12:30 – 13:00 <i>R. Tessera</i>	12:15 – 12:30 <i>B. Forghani</i>	12:15 – 12:30 <i>S. Panagiotis</i>	12:30 – 13:00 <i>J. Briussel</i>	
13:00 – 15:00 Lunch break Chair: <i>T. Ceccherini-Silberstein</i>	13:00 – 15:00 Lunch break Chair: <i>M. Picardello</i>	13:00 Lunch Free afternoon	13:00 – 15:00 Lunch break Chair: <i>D. D'Angeli</i>	12:00 Lunch
15:00 – 15:45 <i>A. Georgakopoulos</i>	15:00 – 15:45 <i>T. Nagnibeda</i>		15:00 – 15:45 <i>V. Kaimanovich</i>	
15:45 – 16:00 <i>R. Kaiser</i>	15:45 – 16:00 <i>C. Correa</i>		15:45 – 16:00 <i>I. Gekhtman</i>	
16:00 – 16:30 Coffee break	16:00 – 16:30 Coffee break		16:00 – 16:30 Coffee break	
16:30 – 17:00 <i>M. Coornaert</i>	16:30 – 17:00 <i>E. Rodaro</i>		16:30 – 17:00 <i>L. Gilch</i>	
17:00 – 17:30 <i>M. Cavaleri</i>	17:00 – 17:30 <i>R. Grigorchuk (online)</i>		17:00 – 17:30 <i>W. Cygan</i>	
17:30 – 18:30 Reception			19:30 Conference Dinner	

Talks

Monday

Emmanuel Breuillard	Limit theorems and equidistribution on nilpotent Lie groups
Francois Ledrappier	Dimension of the stationary measures for random walks on matrices
Ariel Yadin	Detection of homomorphisms via metric-functionals
Laurent Bartholdi	Automatic actions
Romain Tessera	IME classification of nilpotent groups
Agelos Georgakopoulos	A Notion of Dimension based on Probability on Groups
Robin Kaiser	The Abelian Sandpile Model and Stabilization in Infinite Volumes
Michel Coornaert	Stable finiteness of group algebras of surjunctive groups and model theory
Matteo Cavaleri	Generic world problem and Banach densities in finitely generated groups

Tuesday

Anna Erschler	Folner functions, return probability and shape of Folner sets
Giulio Tiozzo	The Poisson boundary of hyperbolic groups without moment conditions
Klaus Schmidt	Divisibility of Integer Polynomials, Homoclinic Points, and Lacunary Independence
Yair Hartman	Random walks and dense subgroups
Hanna Oppelmayr	Invariant Random Sub-Algebras
Behrang Forghani	Harmonic measures and convex algebra
Tatiana Nagnibeda	Benjamini-Schramm and spectral convergence of Rauzy graphs
Corentin Correia	Odomutants and quantitative orbit equivalence
Emanuele Rodaro	On Context-Free Inverse Graphs and Their Associated Groups
Rostislav Grigorchuk	Old and new on cogrowth

Wednesday

Vitali Wachtel	Random walks with square-root boundaries
Daniela Bertacchi	An epidemic model in inhomogeneous environment
Marc Peigne	A local limit theorem for oscillating random walks on \mathbb{Z}
Sara Brofferio	Local stability for affine recursions in higher dimensions
Noema Nicolussi	Self-adjointness of infinite quantum graphs and graph ends
Spanos Panagiotis	Spread-out Percolation on transitive graphs of polynomial growth

Thursday

Laurent Saloff-Coste	Some stable-like random walks on finitely generated nilpotent groups
Matthew Tointon	The structure of vertex-transitive graphs of polynomial growth
Tianyi Zheng	Random walks on IMG and conformal dimension
Fabio Zucca	A quick journey on stochastic orders and their applications to branching random walks
Franz Lehner	Free Integral Calculus
Jeremie Brieussel	Furstenberg entropy spectrum of stationary actions of special linear groups
Vadim Kaimanovich	Liouville property and Poisson boundary of random walks with infinite entropy: what's amiss?
Ilya Gekhtman	Random walks vs. balls
Lorenz Gilch	Capacity of the Range of Random Walks on Free Products of Graphs
Wojciech Cygan	Discrete Feynman-Kac evolutions with confining potentials

Friday

Kilian Raschel	Persistence for a class of order-one autoregressive processes and Mallows-Riordan polynomials
Adam Dor-On	Space-time Martin boundary and ratio-limit boundaries
Konrad Kolesko	Limit theorems for branching processes