Dynamics, measures and dimensions

Będlewo, 7-12 April 2019

Programme

Sunday, 7 April

18:00 *bus from Poznań Główny Railway Station*
19:30 *dinner*

Monday, 8 April

8:00 *breakfast*
9:00 - 9:50 **Kevin Pilgrim** (*Indiana University, Bloomington*)
Graph energies and Ahlfors-regular conformal dimension
10:00 - 10:50 **Katrin Gelfert** (*UFRJ*)
Exceptional sets in nonuniformly hyperbolic dynamics
10:50 - 11:10 *coffee break*
11:10 - 12:00 **Ian Melbourne** (*University of Warwick*)
Mixing and rates of mixing for finite and infinite measure flows
12:10 - 13:00 **Nicolai Haydn** (*University of Southern California*)
Limiting Return Times Distribution for Invariant Measures
13:10 *lunch*
15:00 - 15:30 **Mark Pollicott** (*Warwick University*)
Countable α-Kakutani sequences
15:40 - 16:10 **Manfred Denker** (*Penn State University*)
Comments on conformal measures
16:10 - 16:30 *coffee break*
16:30 - 17:00 **Roland Zweimüller** (*University of Vienna*)
Hitting times and positions in rare events
17:10 - 17:40 **Philip Rippon** (*The Open University*)
Classifying simply connected wandering domains
17:50 - 18:20 **Fedor Pakovich** (*Ben Gurion University*)
Commuting rational functions revisited
18:30 - 19:00 **Łukasz Pawelec** (*SGH Warsaw School of Economics*)
Long hitting times for expanding systems
19:10 *dinner*

20:00 - 20:20 **Piotr Nowakowski** (*Lodz University of Technology*)
Expected Hausdorff dimension of symmetric Cantor sets (room A)
Hongming Nie (*The Hebrew University of Jerusalem*) Isometry of trees for polynomials (room C)
20:20 - 20:40 **Igors Gorbovickis** (*Jacobs University, Bremen*) Critical points of the multiplier map (room A)
Eugen Ghenciu (*University of Wisconsin - Stout*) TBA (room C)
20:40 - 21:00 **Anton Kutsenko** (*Jacobs University*)
Characterization of finite PDEs, ODEs, and mixed integro-differential equations (room A)
Filip Strobin (*Łódź University of Technology*) Zero-dimensional compact metrizable
spaces as attractors of (generalized) iterated function systems (room C)

Tuesday, 9 April

8:00 *breakfast*

9:00 - 9:50 **Gwyneth Stallard** (*The Open University*)
Dimensions of Julia and escaping sets of transcendental entire functions

10:00 - 10:50 **Walter Bergweiler** (*Mathematisches Seminar, Christian-Albrechts-Universität zu Kiel*)
Lebesgue measure of Julia sets of entire functions

10:50 - 11:10 *coffee break*

11:10 - 12:00 **Volker Mayer** (*Université Lille*)
Thermodynamic formalism and Ruelle's property for entire functions

12:10 - 13:00 **François Berteloot** (*Institut de Mathématiques de Toulouse*)
Lyapunov exponents and bifurcations near Lattès maps

13:10 *lunch*

14:00 *Poster session*

14:50 - 15:30 **Michel Zinsmeister** (*University of Orléans*)
The Ruelle property: Old and new.

15:40 - 16:10 **Bogusława Karpińska** (*Warsaw University of Technology*)
Escaping points in the boundaries of Baker domains

16:10 - 16:30 *coffee break*

16:30 - 17:00 **Krzysztof Barański** (*University of Warsaw*)
Thermodynamic formalism for transcendental maps

17:10 - 17:40 **Ludwik Jaksztas** (*Warsaw University of Technology*)
On the directional derivative of the Hausdorff dim. of quadratic polynomial Julia sets at 1/4

17:50 - 18:20 **Christophe Dupont** (*Université de Rennes 1*)
Dynamics of fibered endomorphisms of $\mathbb{P}^2(\mathbb{C})$

18:30 - 19:00 **Marc Kesseböhmer** (*University of Bremen*)
Multifractal Decompositions of Transient Dynamics

19:10 *dinner*

20:00 - 20:30 **Giulio Tiozzo** (*University of Toronto*)
Entropy and drift for Gibbs measures on geometrically finite manifolds

20:40 - 21:10 **David Martí-Pete** (*IMPAN*)
Wandering domains for entire functions of finite order in the class $\mathcal{B}$

Wednesday, 10 April

8:00 *breakfast*

9:00 - 9:50 **Peter Haïssinsky** (*Aix-Marseille Univ.*)
On the measure-theoretic properties of coarse expanding maps

10:00 - 10:50 **Mike Todd** (*University of St Andrews*)
Escape rates for multimodal maps with holes

10:50 - 11:10 *coffee break*

11:10 - 12:00 **Grzegorz Świątek** (*Warsaw University of Technology*)
Similarity Map for Harmonically Generic Parameters

12:10 - 13:00 **Jacek Graczyk** (*Université de Paris-Sud*)
TBA

13:10 *lunch*

14:00 *excursion*

19:00 *dinner*

20:00 *Mariusz's birthday meeting*

Thursday, 11 April

8:00	*breakfast*
9:00 - 9:50	**Károly Simon** (*Budapest University of Technology and Economics*)
	Dimension estimates for the attractors of some non-conformal C^1 Iterated Function Systems
10:00 - 10:50	**Balázs Bárány** (*Budapest University of Technology and Economics*)
	Hausdorff measure of shrinking target sets
10:50 - 11:10	*coffee break*
11:10 - 12:00	**Vasileios Chousionis** (*University of Connecticut*)
	The dimension spectrum of infinitely generated conformal dynamical systems
12:10 - 13:00	**Antti Käenmäki** (*University of Eastern Finland*)
	Self-conformal sets with positive Hausdorff measure
13:10	*lunch*
15:00 - 15:30	**Kenneth Falconer** (*University of St Andrews*)
	Hausdorff, box-counting and intermediate dimensions
15:40 - 16:10	**Michał Rams** (*IMPAN*)
	Mass Transference Principle for sets of arbitrary shapes
16:10 - 16:30	*coffee break*
16:30 - 17:00	**Peter Raith** (*Universität Wien*)
	Multifractal Hausdorff dimensions for invariant subsets
	of a piecewise monotonic map on the interval
17:10 - 17:40	**Lorenzo Díaz** (*PUC-Rio*)
	The space of ergodic measures for partially hyberbolic diffeomorphisms
17:50 - 18:20	**Andrzej Biś** (*University of Lodz*)
	Entropies of semigroup actions
18:30 - 18:50	**Abel Farkas** (*Hungarian Academy of Sciences*) Interval projections of self-similar sets (room A)
	Tamara Kucherenko (*The City College of New York*)
	Measures of maximal entropy for suspension flows? (room C)
19:30	*Birthday dinner*

Friday, 12 April

8:00	*breakfast*
9:00 - 9:50	**Eugen Mihailescu** (*Institute of Mathematics of the Romanian Academy*)
	Dynamical lifts over iterated systems with overlaps
10:00 - 10:50	**Pertti Mattila** (*University of Helsinki*)
	Hausdorff dimension exceptional set estimates for projections, sections and intersections
10:50 - 11:10	*coffee break*
11:10 - 12:00	**Genadi Levin** (*Hebrew University of Jerusalem*)
	Transversality of hyperbolic and parabolic maps
12:10 - 12:40	**Jon Aaronson** (*Tel Aviv University*)
	Some remarks on mixing properties of infinite measure preserving transformations
13:00	*lunch*
14:00	*bus to Poznań Główny Railway Station*