

# Monday (March 24)

## Daily Schedule

Time	Speaker	Title
08:30-08:40		<b>Opening</b>
08:45-09:20	<b>Stéphane Jaffard</b>	<i>Multifractal analysis based on the <math>p</math>-exponent</i>
09:25-09:50	Kenneth Falconer	<i>60 Years of Projections</i>
09:55-10:30	<b>Zhen-Qing Chen</b>	<i>Heat kernels for non-symmetric stable-like operators</i>
10:35-11:00		<b>Coffee Break</b>
11:00-11:35	<b>Peter Grabner</b>	<i>Poincaré functional equations, harmonic measures on Julia sets, and fractal zeta functions</i>
11:40-12:05	Krzysztof Barański	<i>On the dimension of the graph of the classical Weierstrass function</i>
12:10-12:35	Eugen Mihailescu	<i>Thermodynamic formalism on a class of fractals with overlaps</i>
12:40-13:05	Michael Barnsley	<i>Symbolic IFS theory, fast basins and fractal manifolds</i>
13:10		<b>Lunch</b>
15:00-17:45		<b>Parallel Sessions</b>

## Parallel Session I:

Time	Speaker	Title
15:00-15:15	Antoine Ayache	<i>Harmonizable Fractional Stable Fields: Local Nondeterminism and Joint Continuity of the Local Times</i>
15:20-15:35	Kumiko Hattori	<i>The scaling limit of loop-erased random walks on fractals – the erasing-larger-loop-first model and the uniform spanning trees</i>
15:40-15:55	Katarzyna Pietruska-Paluba	<i>Integrated density of states for Poisson perturbations of Markov processes on the Sierpiński gasket</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Julien Hamonier	<i>Estimation of the functional Hurst's parameter of Linear Multifractal Stable Motion by discrete variations method.</i>
16:50-17:05	Julia Romanowska	<i>Measure and Hausdorff dimension of randomized Weierstrass-type functions</i>
17:10-17:25	Benjamin Steinhurst	<i>Diffusion on non-self-similar Sierpinski carpets</i>
17:30-17:45	Lina Wedrich	<i>The Hausdorff dimension of the range and the graph of an operator semistable Lévy process</i>
18:30		<b>Dinner</b>

## Monday (March 24)

### Parallel Session II:

Time	Speaker	Title
15:00-15:15	Dorothee D. Haroske	<i>Function spaces on h-sets: traces, envelopes, embeddings</i>
15:20-15:35	Janna Lierl	<i>Dirichlet heat kernel estimates for diffusions on inner uniform domains</i>
15:40-15:55	Matthias Keller	<i>Cheeger's inequality for unbounded graph Laplacians</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Henk Don	<i>Bounds for the critical value in fractal percolation</i>
16:50-17:05	Helena Peña	<i>Polynomial eigenfunctions of an operator associated to affine IFS</i>
17:10-17:25	Roland J. Etienne	<i>Dirichlet eigenvalues of a measure geometric Laplacian through a modified trigonometric function and characteristic polynomials</i>
17:30-17:45		
18:30		<b>Dinner</b>

### Parallel Session III:

Time	Speaker	Title
15:00-15:15	Victor Sirvent	<i>Space-filling curves, expanding maps on the circle and geodesic laminations.</i>
15:20-15:35	Tom Kempton	<i>Measures on Slices and Equidistribution for Sets of beta-expansions.</i>
15:40-15:55	Artemii Berlinkov	<i>On random fractals with infinite branching: definition, measurability, dimensions</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Ábel Farkas	<i>Linear images of self-similar sets with no separation condition</i>
16:50-17:05	Changhao Chen	<i>Projections of random covering sets</i>
17:10-17:25	Anna Soos	<i>Stochastic spline fractal interpolation function</i>
17:30-17:45	Krzysztof Leśniak	<i>Random iteration and disjunctive processes</i>
18:30		<b>Dinner</b>

## Tuesday (March 25)

### Daily Schedule

Time	Speaker	Title
08:45-09:35	<b>Michel L. Lapidus</b>	<i>Fractal Zeta Functions and Complex Dimensions: A General Higher-Dimensional Theory.</i>
09:40-09:50		<i>JFG</i>
09:55-10:30	<b>De-Jun Feng</b>	<i>Self-similar subsets of the Cantor set</i>
10:35-11:00		<b>Coffee Break</b>
11:00-11:35	<b>Michal Rams</b>	<i>Entropy of Lyapunov-optimizing measures of some matrix cocycles</i>
11:40-12:05	Yakov Pesin	<i>Rescaling invariants of dynamical systems</i>
12:10-12:35	Boris Solomyak	<i>Absolutely Continuous Convolutions of Singular Measures and an Application to the Square Fibonacci Hamiltonian</i>
12:40-13:05	Ben Hambly	<i>Spectral asymptotics for random self-similar fractals</i>
13:10		<b>Lunch</b>
15:00-17:45		<b>Parallel Sessions</b>

### Parallel Session I:

Time	Speaker	Title
15:00-15:15	Naotaka Kajino	<i>Spectral volume measure via the Dixmier trace for Dirichlet spaces with Weyl type eigenvalue asymptotics</i>
15:20-15:35	Daniel Kelleher	<i>From Self Similar groups to intrinsic metrics: Vector analysis for Dirichlet forms on fractals</i>
15:40-15:55	Joe Chen	<i>Maxima and entropic repulsion of Gaussian free fields on fractal-like graphs</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Maria Agostina Vivaldi	<i>Regularity results for solutions in the Koch snowflake domain.</i>
16:50-17:05	Roberto Peirone	<i>Uniqueness of Eigenforms on Fractals</i>
17:10-17:25	Patricia Alonso-Ruiz	<i>Energy and Laplacian on Hanoi-type fractal quantum graphs</i>
17:30-17:45	Raffaella Capitanelli	<i>Reinforcement problems for fractal structures</i>
18:30		<b>Dinner</b>

## Tuesday (March 25)

### Parallel Session II:

Time	Speaker	Title
15:00-15:15	Balazs Barany	<i>On invariant measures of IFSs with place-dependent probabilities and the Blackwell measure</i>
15:20-15:35	Tuomas Sahlsten	<i>Equidistribution modulo 1 and Fourier transforms of equilibrium states</i>
15:40-15:55	Anthony Samuel	<i>Intermediate <math>\beta</math>-shifts of finite type</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Johannes Jaerisch	<i>Dynamics of infinitely generated expanding semigroups of rational maps</i>
16:50-17:05	Sascha Troscheit	<i>Differentiability of self-conformal devil's staircases</i>
17:10-17:25	Rüdiger Zeller	<i>Branching dynamical systems and slices through fractals</i>
17:30-17:45	Marc Rauch	<i>A Variational Principle for Measurable Potentials</i>
18:30		<b>Dinner</b>

### Parallel Session III:

Time	Speaker	Title
15:00-15:15	Vuksan Mijovic	<i>Multifractal zeta functions</i>
15:20-15:35	Andrzej Stos	<i>On measures driven by Markov chains</i>
15:40-15:55	Samuel Nicolay	<i>A weak local irregularity property in the <math>S^\nu</math> spaces</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Céline Esser	<i>A new multifractal formalism based on wavelet leaders: detection of non concave and non increasing spectra (Part I)</i>
16:50-17:05	Thomas Kleyntssens	<i>A new multifractal formalism based on wavelet leaders: detection of non concave and non increasing spectra (Part II)</i>
17:10-17:25	Adrien Delière	<i>A multifractal-based climate analysis</i>
17:30-17:45	Laurent Simons	<i>About the multifractal nature of Cantor's bijection</i>
18:30		<b>Dinner</b>



## Wednesday (March 26)

### Daily Schedule

Time	Speaker	Title
08:45-09:20	<b>Giuseppe Savare</b>	<i>Calculus, transport and Heat flow in metric measure spaces</i>
09:25-09:50	Jun Kigami	<i>Volume doubling property, quasisymmetry and time change of Brownian motion</i>
09:55-10:30	<b>Klaus Mecke</b>	<i>Morphometry of Fractals: Scaling of Minkowski Tensors</i>
10:35-11:00		<b>Coffee Break</b>
11:00-11:25	Karoly Simon	<i>Fractals and Complex Networks</i>
11:30-11:55	Jonathan Fraser	<i>Inhomogeneous iterated functions systems</i>
12:00-12:25	Michael Hinz	<i>1-forms and vector fields on fractals</i>
12:30		<b>Lunch</b>

**Excursion 13:30 - 19:00**

**19:00 Dinner**

## Thursday (March 27)

### Daily Schedule

Time	Speaker	Title
08:45-09:20	<b>Mark Pollicott</b>	<i>The Apollonian Gasket and its dimension</i>
09:25-09:50	Pablo Shmerkin	<i>Absolute continuity of self-similar measures</i>
09:55-10:30	<b>Julien Barral</b>	<i>The multifractal nature of random capacities built from a Gibbs measure</i>
10:35-11:00		<b>Coffee Break</b>
11:00-11:35	<b>Esa and Maarit Järvenpää</b>	<i>Dimensions of random covering sets in torus</i>
11:40-12:05	Zoltan Buczolich	<i>Averages along the squares on the torus</i>
12:10-12:35	Manuel Morán	<i>Two problems on self-similar geometry</i>
12:40-13:05	Antti Käenmäki	<i>Dynamics of the scenery flow and geometry of measures</i>
13:10		<b>Lunch</b>
15:00-17:45		<b>Parallel Sessions</b>

### Parallel Session I:

Time	Speaker	Title
15:00-15:15	Tamás Keleti	<i>The size of sets containing squares centered at every point</i>
15:20-15:35	Ville Suomala	<i>Intersection properties of spatially independent martingale measures</i>
15:40-15:55	Xiong Jin	<i>Projections for random self-similar measures and sets</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Andrey Tetenov	<i>Some rigidity properties of self-similar Jordan arcs</i>
16:50-17:05	András Máthé	<i>Sets of large dimension not containing polynomial configurations</i>
17:10-17:25	Tuomo Ojala	<i>Thin and Fat sets in metric spaces</i>
17:30-17:45	Viktor Kiss	<i>A counterexample to the Keleti perimeter to area conjecture</i>
18:30		<b>Dinner</b>

## Thursday (March 27)

### Parallel Session II:

Time	Speaker	Title
15:00-15:15	Steffen Winter	<i>Local characterization of Minkowski contents</i>
15:20-15:35	Erin Pearse	<i>Fractal curvatures: tube formulas and measurability</i>
15:40-15:55	John Rock	<i>Box-counting zeta functions and complex dimensions</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Tilman Bohl	<i>Minkowski content and curvature measures of random self-conformal fractals</i>
16:50-17:05	Dusan Pokorny	<i>Scaling exponents of curvature measures</i>
17:10-17:25	Marcel Schmidt	<i>The Ihara zeta function for infinite graphs I</i>
17:30-17:45	Felix Pogorzelski	<i>The Ihara zeta function for infinite graphs II</i>
18:30		<b>Dinner</b>

### Parallel Session III:

Time	Speaker	Title
15:00-15:15	Grygoriy Torbin	<i>On the Hausdorff dimension faithfulness of net coverings and fractal properties of essentially non-normal numbers</i>
15:20-15:35	Casey Donoven	<i>Groups of Homeomorphisms of Cantor Sets</i>
15:40-15:55	Roman Nikiforov	<i>On fractal phenomena connected with infinite linear IFS and properties of non-normal numbers</i>
16:00-16:30		<b>Coffee Break</b>
16:30-16:45	Mykola Lebid	<i>On the Hausdorff dimension faithfulness and the Cantor series expansion</i>
16:50-17:05	Henna Koivusalo	<i>A shrinking target problem for typical affine sets</i>
17:10-17:25	Oleksandr Slutskyi	<i>On sharp condition for packing dimension preservation under transformations generated by random <math>s</math>-adic expansion</i>
17:30-17:45	Irmina Herburt	<i>On Lipschitz maps and dimension</i>
18:30		<b>Dinner</b>



## Friday (March 28)

### Daily Schedule

Time	Speaker	Title
08:45-09:20	<b>Rostislav Grigorchuk</b>	<i>From Fractal Groups to Fractal Sets and Spectra</i>
09:25-09:50	Ka-Sing Lau	<i>Spectral property of self-similar sets and measures</i>
09:55-10:30	<b>Michael Hochman</b>	<i>Dimension of self-similar sets in <math>R^d</math> (with overlaps)</i>
10:35-11:00		<b>Coffee Break</b>
11:00-11:25	Marc Kesseböhmer	<i>On the quantization for self-affine measures on Bedford-McMullen carpets</i>
11:30-11:55	András Telcs	<i>The first step of the Brownian sheep</i>
12:00-12:25	Stéphane Seuret	<i>Prescription of multifractal spectrum</i>
12:30-12:55	Christoph Bandt	<i>1/f noise and order patterns</i>
13:10		<b>Lunch</b>
14:10-15:25		<b>Parallel Sessions</b>

### Parallel Session I:

Time	Speaker	Title
14:10-14:25	Nallapu Vijender	<i>Convex/Concave Bivariate Rational Fractal Interpolation Function</i>
14:30-14:45	Puthan Veedu Viswanathan	<i>A New Approach to Positivity Preserving Interpolation Using Smooth <math>\alpha</math>-Fractal Functions</i>
14:50-15:05		
15:10-15:25		

## Friday (March 28)

### Parallel Session II:

Time	Speaker	Title
14:10-14:25	Miroslav Rypka	<i>Basin of attraction of general IFSs</i>
14:30-14:45	Levente Simon	<i>The argument of Hausdorff-dimension for the representation of the strategies playing in the stochastic prisoner's dilemma on probabilistic graphs with the Fruchterman-Reingold algorithm</i>
14:50-15:05		
15:10-15:25		