



# On geometric complexity of Julia sets - IV

Będlewo & online (hybrid), 14-19.08.2022

## Sunday, 14 August

16:00 *conference bus from Poznań Główny Railway Station*

19:00 *dinner*

## Monday, 15 August

8:00 *breakfast*

9:00 - 9:50 **Giulio Tiozzo** (*University of Toronto*)

Core entropy along the Mandelbrot set and Thurston's "Master teapot"

10:00 - 10:50 **Sergiy Merenkov** (*City College of New York*)

Symmetries of Julia Sets

10:50 - 11:20 *coffee break*

11:20 - 12:10 **Genadi Levin** (*Hebrew University of Jerusalem*)

Around a formula for the speed of multipliers

12:20 - 13:10 **Magnus Aspenberg** (*Lund University*)

Slowly recurrent Collet-Eckmann maps on the Riemann sphere

13:30 *lunch*

15:00 - 15:50 **Leticia Pardo Simón** (*The University of Manchester*)

The maximum modulus set of an entire function

16:00 **Poster session**

19:00 *dinner*

## Tuesday, 16 August

8:00 *breakfast*

9:00 - 9:50 **Peter Lin** (*Stony Brook University*)

Conformal structures on stochastic subdivision rules

10:00 - 10:50 **Jordi Canela** (*Universitat Jaume I*)

Connected McMullen-like Julia sets via singular perturbations

10:50 - 11:20 *coffee break*

11:20 - 12:10 **Pascale Roesch** (*Université Toulouse III - Paul Sabatier*)

The negative Multibrot sets **on-line**

12:20 - 12:50 **Khudoyor Mamayusupov** (*National University of Uzbekistan*)

Generating holomorphic functions with critical orbit relation **on-line**

13:30 *lunch*

15:00 - 15:30 **Dimitrios Ntalampekos** (*Stony Brook University*)

Definitions of quasiconformality and exceptional sets **on-line**

15:40 - 16:10 **Fei Yang** (*Nanjing University*)

Rational maps with smooth degenerate Herman rings **on-line**

19:00 *dinner*

## Wednesday, 17 August

- 8:00 *breakfast*
- 9:00 - 9:50 **Igors Gorbovickis** (*Jacobs University Bremen*)  
Combinatorial structure of the renormalization attractor for multicritical circle maps
- 10:00 - 10:50 **Kostiantyn Drach** (*Institute of Science and Technology Austria*)  
'Back-box-mappings' and rigidity of rational maps
- 10:50 - 11:10 *coffee break*
- 11:10 - 12:00 **Jonguk Yang** (*University of Zurich*)  
Infinitely Renormalizable Critical Points in Dimension Two on-line
- 12:05 - 12:55 **Sabyasachi Mukherjee** (*Tata Institute of Fundamental Research*)  
David homeomorphisms in analysis and dynamics on-line
- 13:05 *lunch*  
*kayaking*
- 19:00 *barbecue*

## Thursday, 18 August

- 8:00 *breakfast*
- 9:00 - 9:50 **Neil Dobbs** (*University College Dublin*)  
Upper bounds for Hausdorff dimension of Julia sets (revisited)
- 10:00 - 10:50 **Polina Vytnova** (*University of Warwick*)  
A new approach to computing the Hausdorff dimension
- 10:50 - 11:20 *coffee break*
- 11:20 - 12:10 **Károly Simon** (*Budapest University of Technology and Economics*)  
Quantization dimension for fractals of overlapping construction on-line
- 12:20 - 13:10 **Balázs Bárány** (*Budapest University of Technology and Economics*)  
Typical absolute continuity for one-parameter families of dynamically defined measures
- 13:30 *lunch*
- 15:00 - 15:50 **Anna Zdunik** (*University of Warsaw*)  
Hausdorff measure of limit sets of conformal iterated function systems
- 16:00 - 16:30 **Willie Rush Lim** (*Stony Brook University*)  
A priori bounds and degeneration of Herman rings
- 16:40 - 17:30 **Dzmitry Dudko** (*Stony Brook University*)  
Thurston-type realization theorem for the boundaries of disjoint type hyperbolic components
- 19:00 *dinner*

## Friday, 19 August

- 8:00 *breakfast*
- 9:00 - 9:50 **Lasse Rempe** (*University of Liverpool*)  
A counterexample to Eremenko's Conjecture
- 10:00 - 10:50 **David Martí-Pete** (*University of Liverpool*)  
Wandering domains in transcendental dynamics: topology and dynamics
- 10:50 - 11:20 *coffee break*
- 11:20 - 11:50 **Anna Jové-Campabadal** (*University of Barcelona*)  
Dynamics on the boundary of Fatou components
- 12:30 *lunch*
- bus to Poznań*