



# On geometric complexity of Julia sets - III

Będlewo, 26.09-1.10.2021

## Sunday, 26 September

19:00 *dinner*

## Monday, 27 September

8:00 *breakfast*

9:00 - 9:50 **Núria Fagella** (*University of Barcelona*)

Virtual centers in the parameter space of meromorphic maps on-site

10:00 - 10:50 **Xavier Jarque** (*University of Barcelona*)

On the basins of attraction of a one-dimensional family of root finding algorithms:  
From Newton to Traub on-site

10:50 - 11:20 *coffee break*

11:20 - 12:10 **Weiwei Cui** (*Lund University*)

Hausdorff dimension of escaping sets for Speiser functions with few singular values

12:20 - 13:10 **Anna Miriam Benini** (*University of Parma*)

Mañé-Sad-Sullivan and meromorphic dynamics

13:20 *lunch*

15:00 - 15:50 **Dan Nicks** (*University of Nottingham*)

Orbits and bungee sets

16:00 - 16:50 **Dzmitry Dudko** (*Stony Brook University*)

Expanding and relatively expanding Thurston maps

16:50 - 17:10 *tea, coffee*

17:10 - 17:40 **Athanasios Tsantaris** (*University of Nottingham*)

Explosion points of Zorich maps on-site

17:45 - 18:15 **Dan Paraschiv** (*University of Barcelona*)

Newton-like behaviour in the Chebyshev-Halley family  
of degree  $n$  polynomials on-site

18:20 - 18:50 **Anna Jové Campabadal** (*University of Barcelona*)

Dynamics on the boundary of Fatou components on-site

19:00 *dinner*

## Tuesday, 28 September

- 8:00 *breakfast*
- 9:00 - 9:50 **Walter Bergweiler** (*University of Kiel*)  
The Hausdorff dimension of Julia sets of meromorphic functions in the Speiser class
- 10:00 - 10:50 **Gwyneth Stallard** (*The Open University*)  
Boundary dynamics of wandering domains: overview
- 10:50 - 11:20 *coffee break*
- 11:20 - 12:10 **Phil Rippon** (*The Open University*)  
Boundary dynamics of wandering domains: sufficient conditions for uniform behaviour 1
- 12:20 - 13:10 **Vasiliki Evdoridou** (*The Open University*)  
Boundary dynamics of wandering domains:  
sufficient conditions for uniform behaviour 2 on-site
- 13:20 *lunch*
- 15:00 - 15:50 **Luka Boc Thaler** (*University of Ljubljana*)  
On the geometry of simply connected wandering domains on-site
- 16:00 - 16:50 **James Waterman** (*Stony Brook University*)  
Wandering Lakes of Wada
- 16:50 - 17:10 *tea, coffee*
- 17:10 - 18:00 **Arnaud Chéritat** (*Institut de Mathématiques de Toulouse / CRNS*)  
Bounded type Siegel disks of finite type maps with few singular values
- 18:10 - 19:00 **Kostiantyn Drach** (*Aix-Marseille University*)  
How to use box mappings as “black boxes”
- 19:10 *dinner*

## Wednesday, 29 September

- 8:00 *breakfast*
- 9:00 - 9:50 **Masashi Kisaka** (*Kyoto University*)  
Fatou-Shishikura inequality for transcendental entire functions in the Speiser class
- 10:00 - 10:50 **Mitsuhiro Shishikura** (*Kyoto University*)  
TBA
- 10:50 - 11:20 *coffee break*
- 11:20 - 12:10 **Han Peters** (*University of Amsterdam*)  
Zeros of the Independence polynomial for graphs of large degrees
- 12:20 - 13:10 **Antonio Garijo** (*Universitat Rovira i Virgili*)  
Dynamics of the secant map
- 13:20 *lunch*
- 15:00 - 15:50 **Christopher Bishop** (*Stony Brook University*)  
Dimensions of transcendental Julia sets
- 16:10 *trip*
- 19:00 *barbecue*

## Thursday, 30 September

- 8:00 *breakfast*
- 9:00 - 9:50 **Oleg Ivrii** (*Tel Aviv University*)  
Shapes of trees on-site
- 10:00 - 10:50 **Łukasz Pawelec** (*SGH Warsaw School of Economics*)  
The important set for non-autonomous exponential map on-site
- 10:50 - 11:20 *coffee break*
- 11:20 - 12:10 **Dierk Schleicher** (*Aix-Marseille University*)  
Postsingularly finite entire functions: combinatorics, complexity,  
Thurston theory on-site
- 12:20 - 13:10 **Davoud Cheraghi** (*Imperial College London*)  
Analytic symmetries of parabolic and elliptic elements
- 13:20 *lunch*
- 15:00 - 15:50 **Daniel Meyer** (*University of Liverpool*)  
Quasisymmetric Uniformization, quasi-visual approximations, and Thurston maps
- 16:00 - 16:50 **Michael Yampolsky** (*University of Toronto*)  
Harmonic measures, Julia sets, and computability
- 16:50 - 17:10 *tea, coffee*
- 17:10 - 17:40 **Gustavo Rodrigues Ferreira** (*The Open University*)  
Uniformity in internal dynamics of wandering domains on-site
- 17:45 - 18:15 **Robert Florido Llinàs** (*University of Barcelona*)  
Projecting Newton maps of Entire functions via the Exponential map on-site
- 18:20 - 18:50 **Andrew Brown** (*University of Liverpool*)  
Eremenkos Conjecture, Devaney's Hairs,  
and the Growth of Counterexamples on-site
- 19:00 *dinner*

## Friday, 1 October

- 8:00 *breakfast*
- 9:00 - 9:50 **Fabrizio Bianchi** (*CNRS - Université de Lille*)  
Higher bifurcations for polynomial skew products on-site
- 10:00 - 10:50 **Michel Zinsmeister** (*Université d'Orléans*)  
Integral means spectrum
- 10:50 - 11:20 *coffee break*
- 11:20 - 12:10 **Genadi Levin** (*The Hebrew University of Jerusalem*)  
On hyperbolic sets of polynomials, II
- 12:30 *lunch*
- bus to Poznań*