

**Contact Information**

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**Current Position**

05/2017 – present: Researcher, Institute of Mathematics of the Czech Academy of Sciences

**Previous Employments**

01/2014 – 04/2017: Postdoctoral Fellow, Institute of Mathematics of the Czech Academy of Sciences  
10/2016 – 03/2017: Postdoctoral Fellow, The University of Warsaw, Faculty of Mathematics, Informatics and Mechanics  
09/2013 – 12/2014: Assistant Professor, University of Economics, Prague, Faculty of Informatics and Statistics

**Fellowships**

2014 – 2015: Support Programme for the Perspective Human Resources, founded by the Czech Academy of Sciences

**Education and Degrees**

Ph.D. (2013): Charles University in Prague, Faculty of Mathematics and Physics, PhD thesis *Applications of descriptive set theory in mathematical analysis*, supervisor Miroslav Zelený  
Mgr. (2009): Charles University in Prague, Faculty of Mathematics and Physics, Diploma thesis *Infinite games and their applications*, supervisor Miroslav Zelený  
Bc. (2007): Charles University in Prague, Faculty of Mathematics and Physics, Bachelor's thesis *Křivky Peanova typu* (in Czech), supervisor Jaroslav Lukeš

**Research Visits**

08/2016 – 09/2016: The University of Auckland, New Zealand

**Research Projects**

2018 – 2021: *Graph limits and inhomogeneous random graphs*, Grant number 18-01472Y by the Czech Science Foundation, role: team member

- 2017 – 2019: *Generic objects*, Grant number 17-27844S by the Czech Science Foundation, role: team member
- 2016 – 2018: *Nonlinear analysis in Banach spaces*, Grant number GA16-07378S by the Czech Science Foundation, role: team member
- 2012 – 2016: *Asymptotics of Operator Semigroups*, Marie Curie Action ‘International Research Staff Exchange Scheme’ awarded by the European Commission
- 2010 – 2012: *Applications of descriptive set theory in mathematical analysis*, Grant number 149410 by the Charles University Grant Agency, role: leader

### **Awards**

- 2017: Otto Wichterle Award for young researchers, awarded by the Czech Academy of Sciences
- 2009: First place in the competition SVOČ (competition of students from Czech and Slovak universities in scientific activity in mathematics)
- 2008 – 2009: Award of the Dean of the Faculty of Mathematics and Physics for the best diploma thesis

### **Teaching**

- 2016 – 2017: University of Warsaw, Faculty of Economic Sciences, problem solving sessions in a basic course in linear algebra
- 2013 – 2014: University of Economics, Prague, Faculty of Informatics and Statistics, problem solving sessions in a basic course in calculus and linear algebra
- 2008 – 2013: Charles University in Prague, Faculty of Mathematics and Physics, problem solving sessions in basic courses in calculus

### **Publication Activity**

- WoS: 17 publications, 32 citations, H-index 3
- Scopus: 17 publications, 38 citations, H-index 3

### **Research Profile**

Graph limits, descriptive set theory, real and functional analysis, topology, sigma-ideals of small sets.

### **Other Professional Activities**

- Organizing: Seminar Set Theory and Analysis, Institute of Mathematics of the Czech Academy of Sciences
- Preparing review reports for journals: *Combinatorics*, *Probability and Computing*; *Topology and its Applications*; *Combinatorica*; *Journal of Mathematical Analysis and Applications*; *Real Analysis Exchange*; *Hacettepe Journal of Mathematics and Statistics*
- Preparing reviews for MathSciNet
- Expert reviews for Ministry of Education, Youth and Sports, programm Mobility

- Member of the HRS4R Advisory Committee, Institute of Mathematics CAS goes for HR Award

#### **Conference Talks**

- Winter School in Abstract Analysis, Svratka, Czech Republic, 01/2022
- Winter School in Abstract Analysis, Svratka, Czech Republic, 01/2020
- The Alamo Symposium, San Antonio, Texas, USA, 06/2019
- Současné trendy teoretické informatiky, Prague, Czech Republic, 06/2019
- Winter School in Abstract Analysis, Svratka, Czech Republic, 01/2019
- Summer Symposium in Real Analysis XLII, Saint-Petersburg, Russian Federation, 06/2018
- Workshop Graph limits in Bohemian Switzerland, Janov, Czech Republic, 03/2018
- Set Theoretic Methods in Topology and Analysis, Bedlewo, Poland, 09/2017
- Summer Symposium in Real Analysis XLI, Wooster, Ohio, USA, 06/2017
- Interactions between Algebra and Functional Analysis, Prague, Czech Republic, 09/2016
- Winter School in Abstract Analysis, Svratka, Czech Republic, 01/2016
- Winter School in Abstract Analysis, Svratka, Czech Republic, 01/2015
- Interactions between Algebra and Functional Analysis, Prague, Czech Republic, 12/2014
- Joint Prague-Vienna Logic & Set Theory Meeting, Prague, Czech Republic, 12/2014
- Summer Symposium in Real Analysis XXXV, Budapest, Hungary, 06/2011
- Week of doctoral students, Prague, Czech Republic, 06/2010
- Winter School in Abstract Analysis, Kácov, Czech Republic, 01/2009
- Winter School in Abstract Analysis, Lhota nad Rohanovem, Czech Republic, 01/2008