

Jakub Rondoš

- Personal data** Born on 15th August, 1992 in Prague 2.
- Education**
- 2012-2015
Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University in Prague, Bachelor degree
Bachelor thesis: *Desintegrace kategorie v duchu Kuratowského-Ulamovy věty*
Supervisor: prof. RNDr. Jiří Spurný, Ph.D., Dsc.
- 2015-2017
Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University in Prague, degree Master of Science
Diploma thesis: *Integrální reprezentace prostorů vektorových spojitých funkcí*
Supervisor: prof. RNDr. Jiří Spurný, Ph.D., Dsc.
- 2017-2021
Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University in Prague, Ph.D. degree
Doctoral thesis: *Vector-valued integral representation*
Supervisor: prof. RNDr. Jiří Spurný, Ph.D., Dsc.
- Employment**
- 2021
Postdoctoral researcher
Department of Mathematics, Faculty of Electrical Engineering,
Czech Technical University in Prague
- 2022-2023
Postdoctoral researcher
Department of Mathematical Analysis, Faculty of Mathematics and Physics,
Charles University in Prague
- 2023-2024
Postdoctoral researcher
Faculty of Mathematics,
University of Vienna
- 2024-present
Assistant professor
Department of Mathematics, Faculty of Electrical Engineering,
Czech Technical University in Prague
- Publications**
- [1] O. KALENDA, J. RONDOŠ, AND J. SPURNÝ, *Boundary integral representation of multipliers of fragmented affine functions and other intermediate function spaces*, submitted, preprint available at <https://arxiv.org/abs/2305.16920>.
- [2] G. PLEBANEK, J. RONDOŠ, AND D. SOBOTA, *Complemented subspaces of Banach spaces $\mathcal{C}(K \times L)$* , submitted, preprint available at <https://arxiv.org/abs/2405.19120>.

- [3] J. RONDOŠ, *On isomorphisms of $C(K)$ spaces and cardinal invariants of derivatives of K* , accepted in Israel Journal of Mathematics, preprint available at <https://arxiv.org/abs/2305.06770>.
- [4] —, *On the Banach-Mazur distance between continuous function spaces with scattered boundaries*, Czechoslovak Mathematical Journal, 73 (2023), pp. 367–393.
- [5] J. RONDOŠ AND J. SOMAGLIA, *Isomorphisms of $C(K, E)$ spaces and height of K* , Mediterranean Journal of Mathematics, 20 (2023).
- [6] J. RONDOŠ AND J. SPURNÝ, *Isomorphisms of spaces of affine continuous complex functions*, Mathematica Scandinavica, 125 (2019), p. 270–290.
- [7] —, *A characterization of simplicial spaces by an extension property*, Bulletin Polish Acad. Sci. Math., 68 (2020), p. 89–95.
- [8] —, *On fragmented convex functions*, Journal of Mathematical Analysis and Applications, 484 (2020), p. 123757.
- [9] —, *An Amir–Cambren theorem for subspaces of Banach lattice-valued continuous functions*, Banach Journal of Mathematical Analysis, 15 (2021).
- [10] —, *The Dirichlet problem on compact convex sets*, Journal of Functional Analysis, 281 (2021).
- [11] —, *Isomorphisms of subspaces of vector-valued continuous functions*, Acta Mathematica Hungarica, 164 (2021), pp. 200–231.
- [12] —, *Maximum principle for abstract convex functions*, Journal of Convex Analysis, 28 (2021).
- [13] —, *Small-bound isomorphisms of function spaces*, Journal of the Australian Mathematical society, 111 (2021), pp. 412–429.
- [14] —, *A weak vector-valued Banach–Stone theorem for Choquet simplices*, Archiv der Mathematik, 117 (2021), pp. 529–536.
- [15] —, *Baire bijections of extreme points generated by small-bound isomorphisms of simplex spaces*, Filomat, 36 (2022), pp. 5251–5262.

Grants

2018
Research grant GAČR 17-00941S of the Czech Science Foundation (collaborator)

2020
Research grant GAUK 864120 of the Charles University Grant Agency

Conferences

01/2018
Winter School in Abstract Analysis
Svratka, Czech Republic

08/2018
Young mathematicians in C^* -algebras,
Leuven, Belgium

01/2019
Winter School in Abstract Analysis
Svratka, Czech Republic

09/2019
Workshop on Banach Spaces and Banach Lattices

Madrid, Spain
(lecture)

01/2020
Winter School in Abstract Analysis
Svratka, Czech Republic
(lecture)

01/2022
Winter School in Abstract Analysis
Sněžné, Czech Republic
(lecture)

05/2022
Workshop on Banach Spaces and Banach Lattices II
Madrid, Spain
(lecture)

06/2022
Functional Analysis in Lille, a conference in honor of Gilles Godefroy
Lille, France
(lecture)

01/2023
Winter School in Abstract Analysis
Sněžné, Czech Republic
(lecture)

06/2023
Symposium in Real Analysis
Caserta, Italy

07/2023
Lluís Santaló School: Linear and non-linear analysis in Banach spaces
Santander, Spain
(lecture)

01/2024
Winter School in Abstract Analysis
Vlachovice, Czech Republic
(lecture)

06/2024
Methods in Banach spaces
Badajoz, Spain
(lecture)

07/2024
New perspectives in Banach spaces and Banach lattices
Castro Urdiales, Spain
(lecture)

**Teaching
experience**

2017-2018

Institute of economic studies, Faculty of social sciences, Charles University
Matematika 1, teacher-instructor
Matematika 2, teacher-instructor

2018-2019

Institute of economic studies, Faculty of social sciences, Charles University
Matematika 3, teacher-instructor
Matematika 4, teacher-instructor

2020-2021

Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University
Preparation of the teaching material "Problems from Functional Analysis" together with prof. RNDr. Jiří Spurný, Ph.D., Dsc.

2021-2022

Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University
Matematická analýza 1, teacher-instructor
Matematická analýza 3, teacher-instructor

Institute of economic studies, Faculty of social sciences, Charles University
Matematika 3, teacher-instructor

2022-2023 Department of Applied Mathematics, Faculty of Mathematics and Physics, Charles University
Matematická analýza 2, teacher-instructor
Matematická analýza 3, teacher-instructor