Family name: Kiss, First name: Gergely
Researcher unique identifiers:: ORCID: 0000-0001-5517-5148,
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EDUCATION

2015 PhD in Mathematics, Eötvös Loránd University,
    Faculty of Science, Budapest, Hungary
    Degree: Summa cum Laude
    Supervisor: Prof. Miklós Laczkovich
2009 MSc in Mathematics, Eötvös Loránd University,
    Faculty of Science, Budapest, Hungary
2002–2004 Studies in Applied Mathematics,
    Eötvös Loránd University,
    Faculty of Science, Budapest, Hungary

CURRENT POSITION

2019 – Postdoctoral Research Fellow at Alfréd Rényi Institute of Mathematics,
    Budapest, Hungary Department of Analysis

PREVIOUS POSITIONS

2015 – 2018 Postdoctoral Fellow at University of Luxembourg
    Department of Mathematical Modelling
2013 – 2015 Research Assistant at Budapest University of Technology and Economics,
    Department of Stochastic
    MTA-BME Stochastics Research Group (04118)
2013 Research Assistant at Alfréd Rényi Institute of Mathematics, Budapest, Hungary
    MTA-Renyi "Lendület" Groups and Graphs Research Group

FELLOWSHIPS AND AWARDS

2019–2022 Premium Postdoctoral Fellowship of the Hungarian Academy of Science
2019 Bolyai János Research Fellowship (declined)
2015–2018 Postdoctoral Fellowship in Internal Research Project Luxembourg R-AGR-0500
2015 ISFE Medal awarded for the best contribution and talk

TEACHING ACTIVITIES

2020–2021 Lecture course: Mathematics I. (In English)
    Eötvös Loránd University, Budapest, Hungary
2015–2018 Lecture course: Basics of Disrete Mathematics
    University of Luxembourg
2013–2015 Practice courses: Analysis I-IV., Partial differential equations, Probability Theory,
    Statistics, Mathematics II-IV. for Civil Engineering, Mathematics for Architects I-II.
    Budapest University of Technology and Economics
2012–2015 Organizing: Problem solving seminar I-II.
    Budapest University of Technology and Economics
2006–2012 Practice courses: Introduction to the Theory of Computing I.-II.,
    Foundation of Computer Science, Algorithm Theory
2009–2012 Practice courses: Analysis I.-IV.
    Eötvös Loránd University, Budapest, Hungary
2008 Practice courses: Probability Theory,
    Eötvös Loránd University, Budapest, Hungary

SUPERVISION OF GRADUATE AND UNDERGRADUATE STUDENTS

2021–   Jury member for 1 PhD thesis at University of Debrecen, Hungary

2016–2017   1 Master Student at University of Luxembourg, Luxembourg

2016–2020   7 MSc student research projects at University of Luxembourg

2 BSc students at Eötvös Loránd University, Budapest

2 BSc students at University of Luxembourg

ORGANISATION OF SCIENTIFIC MEETINGS

2020   Main Organiser of Harmonic and Spectral Analysis conference (HSA 2020),
`http://mathspectral.hu/`

2016   Main Organiser of International Symposium on Aggregation and Structures
(ISAS 2016), `https://math.uni.lu/isas/`

REVIEWING ACTIVITIES

2019 –   Editor of Periodica Mathematica Hungarica

2017 –   Scientific lector of the Textbook *Miklós Laczkovich: 333 Exercises in Measure Theory*
(book written in Hungarian)

2013 –   Reviewer for Aequationes Math., Acta Math. Hung.,Discrete Comput Geom,
J. Math. Anal. Appl, Monatshefte für Mathematik, Period. Math. Hung.,
Results in Mathematics, Opus. Math., Fuzzy Sets and Systems, Soft Computing
AMS Mathematical Reviews, Zentralblatt MATH

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2021 –   János Bolyai Mathematical Society

2021 –   Public Body of the Hungarian Academy of Sciences

MAJOR COLLABORATIONS

- E. Gselmann, Spectral theory, difference and functional equations,
  Department of Analysis, University of Debrecen
- M. Laczkovich, Real analysis, measure theory, spectral theory,
  Department of Analysis, Eötvös Loránd University, Budapest
- R. D. Malikiosis, Fourier analysis, number theory, Fuglede's conjecture,
  Department of Mathematics, Aristotle University of Thessaloniki,
- J-L. Marichal, Semigroup theory, associativity, discrete optimization,
  Mathematics Research Unit, University of Luxembourg
- J. Pach, Discrete, convex and combinatorial geometry,
  Department of Geometry, Alfréd Rényi Institute of Mathematics
- G. Somlai, Algebra, representation theory, Fuglede's conjecture,
  Department of Algebra, Eötvös Loránd University, Budapest
- Cs. Vincze, Spectral theory, Finsler geometry, differential geometry,
  Department of Geometry, University of Debrecen
- M. Vizer, Finite geometry, extremal combinatorics,
  Department of Extremal Combinatorics, Alfréd Rényi Institute of Mathematics

SELECTED INTERNATIONAL CONFERENCES, PRESENTATIONS AND VISITS

- Talk at Harmonic Analysis and PDE's seminar, Zoom, New York, USA- 2020
- Seminar talks at Alfréd Rényi Mathematical Institute - 2013, 2014, 2019, 2020
- Keynote speaker at Dynamics, Equations and Applications (keynote speaker), Kraków, Poland- 2019
- Research visits at University of Luxembourg - 2019, 2020
- Research visit and talk in Séminaire Cristolien d'Analyse Multifractale at University Paris-Est - Créteil, France, 2018
- Research visit and seminar talk at University of Silesia in Katowice, Poland, 2018
- Research visit and talk in Discrete and Computational Geometry Seminar at École polytechnique fédérale de Lausanne, Switzerland, 2017
- Seminar talk at University of Luxembourg - 2017, 2018
- Speaker at International Symposium on Functional Equations, Hungary, Poland, Austria, China - 2013, 2014, 2015, 2016, 2017
- Seminar talks at Eötvös Loránd University, Budapest - 2011, 2012, 2013, 2015, 2017,
- Speaker at Conference on Fractals and Related Fields III, France - 2015
- Seminar talks at Budapest University of Technology and Economics - 2011, 2013, 2015,
- Seminar talks at University of Debrecen - 2013, 2014, 2015,
- Seminar talk at Charles University Prague, Chech Republic - 2012,
- DAAD research visit and seminar talk at Universität Jena, Germany - 2011

SELECTED PUBLICATIONS
- T. Fallon, G. Kiss, G. Somlai, Fuglede's conjecture holds on $(\mathbb{Z}_p)^2 \times (\mathbb{Z}_q)^2$, preprint, 2021.
- G. Kiss, R.D. Malikiosis, G. Somlai, M. Vizer, Fuglede's conjecture holds for cyclic groups of order $pqrs$, submitted to *Journal of the London Mathematical Society*.
  https://arxiv.org/pdf/2011.09578.pdf
- G. Kiss, G. Somlai, Fuglede's conjecture holds on $(\mathbb{Z}_p)^2 \times \mathbb{Z}_q$, accepted at *Proc. Am. Math. Soc.* https://arxiv.org/pdf/1912.07114.pdf
- G. Kiss R.D. Malikiosis, G. Somlai, M. Vizer, On the discrete Fuglede and Pompeiu problems, *Analysis & PDE* **13** (3), 765-788, (2020).
- E. Gselmann, G. Kiss, Remarks on the notion of homo-derivations, *Annales Uni. Sci. Budapest.* **51**, 111-130, (2020).
- E. Gselmann, G. Kiss, Cs. Vincze, Characterization of field homomorphisms through Pexiderized functional equations, *J. Differ. Equ. Appl.* **25** (12), 1645-1679, (2019).
- G. Kiss, M. Laczkovich, Derivations and differential operators on rings and fields, *Annales Uni. Sci. Budapest.* **48**, 31-43, (2018).
- E. Gselmann, G. Kiss, Cs. Vincze, On functional equations characterizing derivations: methods and examples, *Results Math.* 73:74, (2018)
- G. Kiss, M. Laczkovich, Cs. Vincze, The discrete Pompeiu problem on the plane, *Monatsh. Math* **186**(2), 299-314 (2018).
- G.Kiss, Cs. Vincze, On spectral sythesis in varieties containing the solutions of inhomogeneous linear functional equations, *Aequationes Math.* **91**(4), 691-723 (2017).
- G. Kiss, M. Laczkovich, Linear functional equations, differential operators and spectral synthesis, *Aequationes Math.* **89**(2), 301-328 (2015).
- G. Kiss, A. Varga, Existence of nontrivial solutions of linear functional equations, *Aequationes Math.* **88**(1-2), 151-162 (2013).

The list of all the my papers can be found on my website: https://users.renyi.hu/~kigergo