Curriculum Vitae

Kiss Gergely

1. Personal information

- Date of birth: 1st April 1984
- Place of birth: Budapest
- Nationality: Hungarian
- E-mail address: kigergo57@gmail.com
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- Arxiv: https://arxiv.org/search/?query=Kiss%2C+Gergely&searchtype=author
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2. Education

2015 PhD at the Eötvös Loránd University, Faculty of Natural Sciences (ELTE TTK), Doctoral School of Mathematics. The grade of the degree: summa cum laude

2009 MSc in Mathematics at ELTE TTK

2002 - 2004 Studies in Applied Mathematics at ELTE TTK

3. Awards, fellowships

2022-2026 Principal Investigator of Grant from the Hungarian National Research, Development and Innovation Office (NKFIH, FK 142993)

2022-2025 János Bolyai Scholarship of the Hungarian Academy of Sciences

2022-2024 Bolyai+ Scholarship for Young Higher Education Teachers and Researchers - New National Excellence Programme

2019-2022 Premium Postdoctoral Fellowship of the Hungarian Academy of Sciences

2019 János Bolyai Scholarship of the Hungarian Academy of Sciences (declined)

2019 NKFIH Postdoctoral Fellowship (declined)

2015 Postdoctoral fellowship – UL internal research grant, University of Luxembourg

2015 ISFE Medal

4. Employment

- 2022 - 2024: Research Fellow at Alfréd Rényi Institute of Mathematics

- 2019 - 2022: Postdoctoral Research Fellow at Alfréd Rényi Institute of Mathematics on Premium Postdoctoral Fellowship
- 2015-2018: Postdoctoral Research Fellow at University of Luxembourg
- 2013-2015: Teaching Assistant, Budapest University of Technology and Economics
- 2013: Researcher Assistant at Rényi Alfréd Matematikai Intézet in 'Groups and Graphs (Momentum)' Research group

5. Participation in third party funded projects

- 01/07/2018 - 30/11/2022, Researcher, Grant from the Hungarian National Research, Development and Innovation Office (NKFIH, K124749). Principal Investigator: Miklós Laczkovich (Rényi Institute, Hungarian Academy of Sciences)
- 01/09/2013 - 31/08/2015 Research Assisant, MTA-BME Stochastics Research Group (funded by the Hungarian Academy of Sciences) Principal Investigator: Bálint Tóth (Budapest University of Technology and Economics)
- 01/02/2013 - 31/01/2018, Researcher, Grant from the Hungarian National Research, Development and Innovation Office (NKFIH, K104178). Principal Investigators: Miklós Laczkovich (Eötvös Loránd University)
- 01/02/2013- 31/07/2013, Assistant Researcher, MTA "Lendület" ("Momentum") Groups and Graphs Reserach group, Principal Investigator: Abért Miklós (Rényi Institute, Hungarian Academy of Sciences)
- 01/01/2013 - 31/01/2014, Researcher, Grant from the Hungarian National Research, Development and Innovation Office (NKFIH, K72655). Principal Investigator: Keleti Tamás (Eötvös Loránd University, Analísis Department)

6. Professional activities

- co-organizer of Fourier Analysis and Additive Problems thematic semester at Erdös Center, 2024 spring
- member of the commitee of Rényi Kató prize, 2021-
- member of the Editorial Board of Periodica Mathematica Hungarica, 2019-
- member of the János Bolyai Mathematical Society, 2021-
- member of the Public body of the Hungarian Academy of Sciences, 2020-
- organizer of the Analysis Seminar of Alfréd Rényi Institute of Mathematics, 2021 autumn
- co-organizer of Harmonic and Spectral Analysis (HSA) online minisymposium, 2020, 2021
- co-organizer of International symposium on Aggregation and Structures (ISAS), 2016
- Referee for Journals (Acta Mathematica Hungarica, Aequationes mathematicae, Combinatorica, Discrete Mathematics, Discrete and Computational Geometry, Forum of Mathematics Pi, Inventiones Mathematicae, Journal of Mathematical Analysis and Applications, Journal of London Math. Society, Monatshefte für Mathematik, Opuscula Mathematica, Periodica Mathematica Hungarica, Result in Mathematics, SIAM Journal of Combinatorics, Soft Computing, Semigroup Forum)

- Reviewer: AMS Mathematical Reviews, Zentralblatt MATH
- Lector of book: Laczkovich Miklós: 333 Mértékelméleti feladat, Typotex Kiadó, 2018, p. 259

7. Teaching experiences:

2023 - 2024 Lecturer of Mathematics (in English) for MSc students of Psychology at Eötvös Loránd University

2020 - 2023 Lecturer of Mathematics I- II. (in English) for Students of Economics and International Studies at Eötvös Loránd University

2021 Practice course: Analysis for engineering students at Budapest University of Technology and Economics, Institute of Mathematics

2015 - 2018 Lecturer of Basics of Discrete Mathematics for students in Mathematics at the University of Luxembourg

2006 - 2015 Practice courses (as a Teaching Assistant):

- Analysis I.-IV. for architect students,
- Analysis and Differential Equations for civil engineer students;
- Probability Theory and Statistics for electrical engineer students;
- Probability Theory and Problem solving Seminar for students in Mathematics;
- Introduction to Computer Science 1-2, Algorithm Theory for students in Software Engineering

at the Budapest University of Technology and Economics, Institute of Mathematics

2009 - 2012 Practice courses:

- Analysis I-IV. for students in Mathematics,
- Probability Theory for students in Software Engineering at Eötvös Loránd University

Supervision for Diploma:

2017 Alexander Biró, Math BSc, Budapest University of Technology and Economics - Title: The Frog Model in $\mathbb{Z}^d$ (in Hungarian)

2018 Julia Kerch, Math BSc, Univerity of Luxembourg - Title: Fibonacci and Catalan Numbers

2021 Áron Ambrus, Math BSc - Title: Properties of inscribed and circumscribed isosceles triangles (in Hungarian)

2021 Soma Villányi, Math BSc - Divisibility of sets (in Hungarian)

Other supervisions - Student projects:

2023 Ádám Markó, PhD student at ELTE: Polynomials of small range sum in $\mathbb{Z}_p$.

2016 - 2018 MSc students at University of Luxembourg:

- Julie Kersch: Szemerédi Regularity Lemma and its applications.
- Ralf Greis: Expander and Ramanujan Graphs
- Theodoros-Christos Nikolaidis: Undecidability of Peano Arithmetic

- Margita Rika: Hadamard conjecture
- Fa Zhu: Hall's Theorem for hypergraphs
- Fa Zhu: Squaring the square
- Monika Zlopasa: Coding Theory

8. International talks and short term visits

- Invited speaker at Analysis Seminar of University of Graz, 2023
- Speaker on Combinatorial and Additive Number Theory (CANT), New York - 2022, 2023
- Research visit in New York - 2022, 2023
- Speaker at Winter School in Abstract Analysis, Snezné, Czech Republic - 2022, 2023
- Seminar talks at Alfréd Rényi Mathematical Institute - 2013, 2014, 2019, 2020, 2022, 2023
- 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, 2018, 2021, 2022
- 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, 2019
- Seminar talk at Charles University Prague, Chech Republic - 2012
- DAAD research visit and seminar talk at Universität Jena, Germany - 2011

9. Language skills Hungarian (native), English (fluent), French (intermediate), German (beginner)