

CURRICULUM VITAE

Zoltán Vidnyánszky

✉ Eötvös Loránd Tudományegyetem
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PERSONAL DATA

Birth date November 19, 1989, Kiev, Ukraine
Marital status Married, three children
Citizenship Hungary

EMPLOYMENT

2022– PI, Momentum Grant of the HAS, Eötvös Loránd University
2020–2022 Olga Taussky-John Todd Instructor, California Institute of Technology
Supervisor: Alexander S. Kechris
2017–2020 Postdoc and PI, Lise Meitner FWF Grant, University of Vienna
Co-applicant: Benjamin D. Miller
2016–2017 Postdoctoral Visitor at York University and University of Toronto
Supervisors: Juris Steprāns, Stevo Todorčević, and William Weiss
2014–2016 Junior Research Fellow at Alfréd Rényi Institute of Mathematics

EDUCATION

2015 PhD at Eötvös Loránd University, Budapest
Summa Cum Laude, thesis advisor: Márton Elekes
2009–2011 MSc in Pure Mathematics at Eötvös Loránd University, Budapest
Honors degree, thesis advisor: Márton Elekes
2006–2009 BSc in Mathematics at Eötvös Loránd University, Budapest
Pure mathematics major, thesis advisor: Péter Komjáth
1999–2006 Hungarian Secondary Grammar School, Beregszász, Ukraine

PUBLICATIONS

33 papers (23 published and 10 preprints)

Top 3 publications

- S. Todorčević, ZV, A complexity problem for Borel graphs,
Inventiones Mathematicae, **226** (2021), 225–249.
<https://arxiv.org/abs/1710.05079>
- S. Brandt, Y. Chang, J. Grebík, C. Grunau, V. Rozhoň, ZV: On homomorphism graphs,
Forum of Mathematics, Pi, **12** (2024), e10.
<https://arxiv.org/abs/2111.03683>
- M. Elekes, ZV, Characterization of order types of pointwise linearly ordered families of
Baire class 1 functions,
Advances in Mathematics **307** (2017), 559–597.
<http://arxiv.org/abs/1410.8362>

SELECTED CONFERENCE TALKS

2024	Winterschool in Set Theory <i>Hejnice; tutorial speaker</i>
2023	Workshop on Borel and Measurable Combinatorics <i>Fields Institute</i>
2023	Logic Colloquium - ASL European Summer Meeting <i>University of Milan; plenary speaker</i>
2022	European Set Theory Conference <i>University of Turin; plenary speaker</i>
2022	Descriptive Combinatorics, LOCAL Algorithms and Random Processes <i>Oberwolfach Mini-Workshop</i>
2021	16th Luminy workshop in set theory
2019	Young Set Theory Workshop <i>University of Vienna; postdoc speaker</i>
2018	Ideals and exceptional sets in Polish spaces <i>Bernoulli Center, Lausanne</i>
2018	South Eastern Logic Symposium <i>University of Florida</i>
2014, 2015	Descriptive Set Theory in Paris <i>UPMC Paris</i>

AWARDS AND FELLOWSHIPS

2018	Pál Turán Memorial Prize of the Hungarian Academy of Sciences <i>Awarded annually to a mathematician under forty</i>
2016	Géza Grünwald Prize of the Bolyai Mathematical Society <i>Awarded annually to five mathematicians under thirty</i>
2016	International Stefan Banach Prize, Nominee (in the top five) <i>Awarded by the Polish Mathematical Society for the best dissertation</i>
2010–11	Scholarship of the Ministry of Education of the Hungarian Republic
2009	Excellent student of the faculty <i>Faculty of Science, Eötvös Loránd University</i>

PROFESSIONAL SERVICE

Conference and seminar organization

Workshop in Measurable Combinatorics (around 80 participants), organizer
Young Set Theory Workshop 2024 (around 90 participants), organizer
Borel Combinatorics Seminar (Eötvös University), 2022-
6th European Set Theory Conference (around 80 participants), local organizer
Set theory problem solving seminar (Eötvös University), 2012-

Memberships

Bolyai János Mathematical Society: pure mathematics, committee member
European Set Theory Society: trustee

Peer review

Refereeing for Advances in Mathematics, Forum of Mathematics Pi, Israel Journal of Mathematics, Journal of Mathematical Logic, Fundamenta Mathematicae, Dissertationes Mathematicae, Journal of Symbolic Logic, Proceedings of the American Mathematical Society, Combinatorica

Reviewing proposals for the Czech Academy of Sciences

LANGUAGE SKILLS

English	fluent
Russian	fluent
Ukrainian	intermediate
German	basic
Hungarian	native

TEACHING

2024	Set Theory, Eötvös University
2023–	Analysis, Budapest Semesters in Mathematics
2023	Measurable Combinatorics, Eötvös University
2022	Math 116a,b Introduction to Mathematical Logic, Caltech
2021	Math 117b,c Computability, Caltech
2017	Descriptive set theory, Eötvös University
2017	MATH3260 Introduction to Graph Theory, York University
2016	MATH6280 A - Measure Theory, York University
2015	Foundations of Mathematics 2, Eötvös University
2012–2020	Set theory problem solving class, Eötvös University
2010–2016	Calculus: TA, Eötvös University and Budapest University of Technology