

PERSONAL INFORMATION

Name	Jaroslav Šupina	Address	Hutnícka 10, 040 01 Košice, Slovakia
Nationality	Slovak	Date of birth	June 7, 1985

RESEARCH INTERESTS

set-theoretic topology, set theory of reals
applications of set theory to mathematical analysis and real functions theory
selection principles

EMPLOYMENT

October 2014 - Present	assistant at the Institute of Mathematics P.J. Šafárik University in Košice, Slovakia
October 2012 - September 2014	post-doctoral position at the Institute of Mathematics P.J. Šafárik University in Košice, Slovakia

EDUCATION

2012	PhD. in Discrete Mathematics, P.J. Šafárik University in Košice Thesis: <i>Singular sets of real numbers</i> Supervisor: prof. RNDr. Lev Bukovský DrSc.
2008	Master's degree in Informatic Mathematics, P.J. Šafárik University in Košice Thesis: <i>Singular sets of real numbers</i> Advisor: prof. RNDr. Lev Bukovský DrSc.
2006	Bachelor's degree in Mathematics, P.J. Šafárik University in Košice Thesis: <i>Fixed point theorems</i> Advisor: prof. RNDr. Lev Bukovský DrSc.

STAYS ABROAD

February 2007 - June 2007	Universitat Autònoma de Barcelona, Spain Socrates - Erasmus exchange programme
September 2020 - February 2021	Kurt Gödel Research Center for Mathematical Logic, Austria Aktion Österreich-Slowakei, Stipendien für Postdoktoranden, SAIA

THESIS CONSULTANCY

bachelor	Dávid Uhrík, Adam Marton, Dominik Dorčák, Lenka Košárová, Jakub Žoldák
master	Viera Šottová, Dávid Uhrík, Adam Marton
dissertation	Viera Šottová

RESEARCH ACHIEVEMENTS

application of sequence selection principles in

- alternative proofs of Tsaban - Zdomskyy and Reclaw Theorems on QN-space
- characterizations of hereditarily Hurewicz and $S_1(\Gamma, \Gamma)$ spaces

using set-theoretical tools, obtained combinatorial characterization of

- ideals with corresponding non-standard ideal version of quasi-normal convergence
- uniformity numbers of ideal versions of QN and $S_1(\Gamma, \Gamma)$ spaces

applying well-known set-theoretical results, shown a consistency of distinguished

- selecting a real-valued function from every and from just infinitely many sequences
- ideal versions of both, QN-spaces and $S_1(\Gamma, \Gamma)$ -spaces

GRANTS PARTICIPATION

2021 - 2025	grant APVV-20-0045 of the Slovak Research and Development Agency APVV
2018 - 2019	coordinator of the project # 21830253 of Visegrad Fund <i>The regional impact of set-theoretic research in Kosice after a half-century</i>
2017 - 2021	grant APVV-16-0337 of the Slovak Research and Development Agency APVV
2009 - 2019	grants 1/0032/09, 1/0002/12, 1/0097/16 of Slovenská grantová agentúra VEGA
2016 - 2017	bilateral Slovakia - Austria grant APVV SK-AT-2015-0019
2010 - 2019	internal grants of Pavol Jozef Šafárik University in Košice
2009 - 2011	internal grants of Faculty of Science of P.J. Šafárik University in Košice

CO-ORGANIZING

2019	<i>Set-theoretic methods in topology and real functions theory, dedicated to 80th birthday of Lev Bukovský</i> international conference in Košice, September 9 - 13, 2019
2018 - 2020	Data Analytics Meetings, Faculty of Science of P.J. Šafárik University in Košice regular meetings (1 - 2 / month, during semester)
2018	ŠVOČ 2018, Faculty of Science of P.J. Šafárik University in Košice annual competition of university students in research projects in Czechia and Slovakia

TEACHING

2008 - 2021	problem classes of various analysis oriented courses provided by Institute of Mathematics to its students or to students of Faculty of Science
2014 - 2021	lecturer of introductory course in logic and set theory
2017, 2019, 2021	topology seminar
2020 - 2021	introductory course in functional analysis

Košice, November 20, 2021