

CURRICULUM VITAE

Laszlo Zsilinszky

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Education

Ph.D. Mathematics (Set-Theoretic Topology)	University of South Carolina, 1998
Ph.D. Mathematics (General Topology)	Comenius University, Slovakia, 1995
B.S. Mathematics Education	Comenius University, Czechoslovakia, 1990
B.S. Mathematics	Comenius University, Czechoslovakia, 1986, <i>summa cum laude</i>

Work History

2010- present	University of North Carolina at Pembroke	Pembroke Professor
2008-10	University of North Carolina at Pembroke	Professor
2003-08	University of North Carolina at Pembroke	Associate Professor
1997-03	University of North Carolina at Pembroke	Assistant Professor
1995-97	University of South Carolina	Teaching Assistant
1994-95	University of Ostrava, Czech Republic	Assistant Professor
1990-94	Constantine the Philosopher University, Slovakia	Assistant Professor
1986-90	High School of Nove Zamky, Slovakia	Teacher of Mathematics

Awards

Adolph L. Dial Research Award, University of North Carolina at Pembroke, 2006.
Young Mathematician of the Year, Union of Slovak Mathematicians and Physicists, 1995.

Research Papers

Insertion of $E_p(\lambda)$ to L_∞ for the best approximation on Haar's system of functions if $0 < p < 1$, Serdica, Bulgaricae Publication **18** (1992), 36-4, with J. Tóth.

On cardinality of sets of metrics generating spaces of prescribed properties, Annales Univ. Sci. Budapest. **35** (1992), 15-21, with T. Šalát and J. Tóth.

Metric space of metrics defined on a given set, Real Analysis Exchange **18(1)** (1992/93), 225-231, with T. Šalát and J. Tóth.

On the structure of the space of metrics defined on a given set, Real Analysis Exchange **19(1)**, (1993/94), 321-327, with T. Šalát and J. Tóth.

- On the class of functions having infinite limit on a given set*, Colloquium Mathematicum **67** (1994), 177-180, with J. Tóth.
- On a typical property of functions*, Mathematica Slovaca **45** (1995), 121-127, with J. Tóth.
- On density of ratio sets of powers of primes*, Nieuw Archief voor Wiskunde **13** (1995), 205-208, with J. Tóth.
- The generic property of non-expansive mappings in Banach spaces*, Rivista di Math. Pura ed Applicata **17** (1995), 63-69, with L. Holá and J. Tóth.
- On subspaces of measurable functions*, Portugaliae Mathematica **52** (1995), 125-130.
- On separation axioms in hyperspaces*, Rendiconti del Circolo Matematico di Palermo (2) **45** (1996), 75-83.
- Baire spaces and hyperspace topologies*, Proc. Amer. Math. Soc. **124** (1996), 3175-3184.
- Superporosity in a class of non-normable spaces*, Real Analysis Exchange **22** (1996/97), 785-797.
- Polishness of the Wijsman topology revisited*, Proc. Amer. Math. Soc. **126** (1998), 3763-3765.
- Topological games and hyperspace topologies*, Set-Valued Analysis **6** (1998), 187-207.
- Baire spaces and weak topologies generated by gap and excess functionals*, Mathematica Slovaca **49** (1999), 357-366.
- Note on hit-and-miss topologies*, Rendiconti del Circolo Matematico di Palermo (2) **49** (2000), 371-380.
- Extremally T_1 -spaces and Related Spaces*, Questions and Answers in General Topology **18** (2000), 31-39, with J. Dontchev and M. Ganster.
- Completeness properties of the generalized compact-open topology on partial functions with closed domains*, Topology and its Application **110** (2001), 303-321, with L. Holá.
- On hereditary Baireness of the Vietoris topology*, Topology and its Applications **115** (2001), 247-258, with A. Bouziad and L. Holá.
- Strong α -favorability of the (generalized) compact-open topology*, Atti del Seminario Matematico e Fisico dell'Universit di Modena **51** (2003), 1-8, with P. J. Nyikos.
- Developable hyperspaces are metrizable*, Applied General Topology **4** (2003), 351-360, with L. Holá and J. Pelant.
- Products of Baire spaces revisited*, Fundamenta Mathematicae **183** (2004), 115-121.
- On ω -boundedness of the Vietoris hyperspace*, Topology Proceedings **30** (2006), 417-421.
- On Baireness of the Wijsman hyperspace*, Bollettino dell'Unione Matematica Italiana (8) **10-B** (2007), 1071-1079.
- Developability and related properties of the generalized compact-open topology*, Quaderni di Matematica **22** (2009), 131-150, with L. Holá.
- Corrigendum to "On Baireness of the Wijsman hyperspace"*, Bollettino dell'Unione Matematica Italiana (9) **2** (2009), 575-577.
- Vietoris topology on partial maps with compact domains*, Topology and its Applications **157** (2010), 1439-1447, with L. Holá.

Čech-completeness and related properties of the generalized compact-open topology, Journal of Applied Analysis **16** (2010), 151–169, with L. Holá.

On (strong) α -favorability of the Wijsman hyperspace, Topology and its Applications **157** (2010), 2555–2561, with L. Piątkiewicz.

On (strong) α -favorability of the Vietoris hyperspace, Mathematica Slovaca, with L. Piątkiewicz, submitted.

On β -favorability of the strong Choquet game, preprint.

The Banach-Mazur game, and the strong Choquet game: an introduction, preprint.

Hypertopologies, monograph, under preparation.

Papers in Educational Vein

On certain subsets of the space of all real sequences, Acta Mathematica et Informatica **1** (1992), 33-37, with J. Bukor and J. Tóth.

Means of positive numbers and certain types of series, Acta Mathematica et Informatica **1** (1992), 49-57, with J. Bukor, T. Šalát and J. Tóth.

It is not a big mistake to claim that $\lim_{x \rightarrow a} g(f(x)) = \lim_{y \rightarrow A} g(y)$ where $A = \lim_{x \rightarrow a} f(x)$, Acta Mathematica et Informatica **1** (1992), 39-41, with J. Tóth.

On the quotient of two arithmetical functions, Acta Mathematica et Informatica **1** (1992), 59-64, with J. Tóth.

On the integer part of real numbers, Matematicke obzory **39** (1993), 81-90 (Slovak).

The logarithmic mean and the power mean of positive numbers, Octogon Math. Mag. **2** (1994), 19-24, with J. Bukor and J. Tóth.

On locally antisymmetric functions, Acta Mathematica **2** (1995), 83-88, with J. Tóth.

On measure spaces where Egoroff's Theorem holds, Real Analysis Exchange **20** (1994/95), 799-804.

On the sum of metrics generating metric spaces of prescribed properties, Acta Mathematica, Nitra **2** (1995), 93-96.

On normability of a space of measurable real functions, Acta Mathematica, Nitra **2** (1995), 73-76.

Conferences and Presentations

Cardinalities of sets of metrics, Seminar on Real Functions, Comenius University, Czechoslovakia, 1990, invited

On a typical property of functions, Summer School on Real Functions Theory, Dubnik, Czechoslovakia, June 1992

On separation axioms in hyperspaces, Measure Theory Seminar, Comenius University, Slovakia, 1994, invited

On sets of infinite limit, Summer School on Real Functions Theory, Liptovsky Jan, Slovakia, September 1994

Baire spaces and the Wijsman topology, 11th Auburn Miniconference on Real Analysis, Auburn AL, March 1996

Superporosity in a class of non-normable spaces, 20th Summer Symposium in Real Analysis, Windsor, Canada, June 1996

Polishness of the Wijsman topology revisited, 1997 Spring Topology and Dynamics Conference, Lafayette LA, April 1997

On hereditary Baireness of the Vietoris topology, 1998 Spring Topology and Dynamics Conference, Fairfax VA, March 1998

Topological games and hyperspace topologies, 13th Summer Conference on General Topology and its Applications, Mexico City, June 1998, invited

Topological games and hyperspaces, New York Seminar on General Topology and Topological Algebra, City College of NY, December 1998, invited

Completeness properties of the generalized compact-open topology on partial maps, 1999 Spring Topology Conference, Salt Lake City UT, March 1999

Čech-completeness and related properties of the generalized compact-open topology on partial maps, Spring Topology and Dynamical Systems Conference, San Antonio TX, March 2000

Completeness properties of the Wijsman topology, Seminar on Set-Theoretic Topology, University of North Carolina at Greensboro, Greensboro, NC, October 2000, invited

Developability of hyperspace topologies, 2001 Spring Topology and Dynamical Systems Conference, Morelia, Mexico, March 2001, invited

On completeness properties of the Wijsman topology, 2003 Spring Topology and Dynamical Systems Conference, Lubbock, TX, March 2003, invited

On a generalization of Oxtoby's Theorem on products of Baire spaces, 2004 Spring Topology and Dynamics Conference, Birmingham, AL, March 2004

On products of Baire spaces, Symposium on General Topology & Abstract Analysis, Youngstown, OH, April 2006, invited

On ω -boundedness of the Vietoris hyperspace, 21st Summer Conference on Topology and its Applications, Statesboro, GA, July 2006, invited

On Baireness of the Wijsman hyperspace, Toposym 2006, Prague, Czech Republic, August 2006

Normality and related properties of the Vietoris topology, Seminar on Set-Theoretic Topology, University of North Carolina at Charlotte, Charlotte, NC, September 2006, invited

Completeness properties of hyperspaces, University of Milano Bicocca, Italy, May 2007, invited

Baire spaces and topological games, Mathematical Institute of the Slovak Academy of Sciences, Slovakia, June 2007, invited

The Baire property of hyperspace topologies, New York Seminar on General Topology and Topological Algebra, Queens College, September 2007, invited

Product of Baire spaces, Mathematical Institute of the Slovak Academy of Sciences, Slovakia, May 2008, invited

Completeness properties of the Vietoris topology on partial maps with compact domain, Advances in Set-Theoretic Topology, Erice, Sicily, Italy, June 2008

On (strong) α -favorability of the Wijsman hyperspace, AMS Sectional Meeting, Special Session in Set-Theoretic Topology, Huntsville, AL, October 2008, invited

Topologies on spaces of partial maps, International Symposium on Topology and Abstract Analysis, Youngstown, OH, March 2009, invited

The Choquet Game, Seminar on Set-Theoretic Topology, University of North Carolina at Charlotte, series of presentations throughout 2009

Strong α -favorability and α -favorability of the Wijsman and Vietoris topology, Mathematics Institute of the Slovak Academy of Sciences, Bratislava, Slovakia, December 2009, invited

Characterization of hereditary Baireness in spaces with BCO, Seminar on Set-Theoretic Topology, University of North Carolina at Charlotte, February 2010

On (strong) α -favorability of the Wijsman hyperspace, 44th annual Spring Topology and Dynamics Conference 2010, Starkville, MS, March 2010, invited

Professional Activities

Referee for

Fundamenta Mathematicae
Proceedings of the American Mathematical Society
Topology and its Applications
Applied General Topology
Journal of Convex Analysis
Real Analysis Exchange
Mathematica Slovaca
Tatra Mountains Mathematical Publications
Mathematical Communications

Reviewer for

American Mathematical Society Reviews
Zentralblatt für Mathematik
U.S. Civilian Research and Development Foundation
Research Foundation of the City University of NY

Classes Taught

Graduate courses

Topology, Geometry, Analysis, Theory of Measure and Integration, Set Theory, Complex Analysis.

Undergraduate courses

Mathematics for Elementary Teachers, College Algebra, Trigonometry, Introduction to Statistics, Calculus I-III, Finite Mathematics, Discrete Structures, Numerical Analysis, Differential Equations, Advanced Calculus (Real Analysis) I-II, Linear Algebra I-II.

Online courses

College Algebra, Calculus I,II, Linear Algebra I

Personal Information

Married, 1 daughter

Foreign languages: Hungarian, Slovak, and Czech