

## CURRICULUM VITAE

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**Citizenship** Slovakia, Czech Republic

**Family status** Married

### Education

Aug 2008: PhD. in Mathematics, Vanderbilt University, Nashville, USA  
Advisor: Guoliang Yu; Thesis: “K-theory of uniform Roe algebras”

May 2005: MSc. in Mathematics, Vanderbilt University, Nashville, USA

July 2003: MSc. in Mathematics, Vrije Universiteit, Amsterdam, Netherlands  
Advisor: Jan Dijkstra; Thesis: “On the locally compact case of Torunczyk’s Approximation Theorem”

June 2003: Diploma in Mathematics, Univerzita Komenského, Bratislava, Slovakia  
Advisor: Pavol Zlatoš; Thesis: “Applications of Nonstandard Analysis”

### Research interests

Coarse geometry and K-theory of C\*-algebras  
Noncommutative geometry

### Publications

“Almost homomorphisms of compact groups”, with P. Zlatoš, Illinois J. Math 48 (4), 2004

### Current research

“Uniform K-homology”, in preparation  
“Non-K-exact uniform Roe C\*-algebras”, in preparation  
“Controlled coarse homology”, with Piotr Nowak, in preparation

## Talks

- Mar 2008: Workshop on Analysis on Groups (Univ. of Puerto Rico): “Uniform  $K$ -homology”
- Sep 2007: East Coast Operator Algebras Symposium (Wellesley College): “Examples of non- $K$ -exact uniform translation algebras”

## Work and teaching experience

- 2003 – 2008: Teaching assistant at Vanderbilt University Mathematics Department
- 2003: Two semester-long teaching assistant trainings at Vanderbilt University (two weekly sessions)
- 1998 – 2002: Organizing mathematics correspondence seminars in Slovakia (participating in choosing problems, grading solutions, organizing camps for best solvers)
- 1999 – 2002: Co-organizing Slovak Math Olympiad (grading, co-publishing “Math Olympiad Yearly” - a book with problems and solutions)

## Taught Courses

- Calculus courses: instructor (full responsibility), 6 semesters
- Accelerated Calculus courses: teaching assistant (weekly frontal sessions, grading, help sessions), 2 semesters

## Honors/Awards

- 2008: B. F. Bryant Prize for Excellence in Teaching, Vanderbilt University, USA
- 2006: Summer Research Award, Vanderbilt University, USA
- 2003 – 2007: University Graduate Fellowship, Vanderbilt University, USA
- 2002 – 2003: Financial support for Masters Program at Vrije Universiteit, Amsterdam, Netherlands
- 1998: Bronze medal at International Mathematical Olympiad, Taiwan
- 1997: Honorable mention at International Mathematical Olympiad, Argentina