

Curriculum Vitae

Address:

Department of Algebra and Geometry
Faculty of Mathematics, Physics and Computer Science
Comenius University
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Date of Birth July 1, 1976.

**Country of
Citizenship** Slovakia.

Education **Princeton University**, Princeton, NJ
Ph.D. in Mathematics, June 2004, Dissertation under the supervision of Prof. Zoltán Szabó.
Comenius University, Bratislava, Slovakia
M.Sc. with highest honors in Mathematics, June, 1999.

**Professional
Employment** 2006– Assistant Professor, Comenius University, Bratislava, Slovakia,
2004–2006 Postdoctoral Fellow, McMaster University, Hamilton, Canada,
2004–2005 Postdoctoral Fellow, Fields Institute, Toronto, Canada.

**Research
Interests** Geometry and topology of 4-manifolds, links and knots, symplectic and contact structures.

Publications “Symplectic 4-manifolds with positive signature and small Euler characteristic”, preprint,
“An example of symplectic 4-manifolds with positive signature”, *Geometry and topology of
manifolds*, 235 – 242, *Fields Inst. Commun.*, 47 (2005),
“Geography of symplectic 4-manifolds with positive signature”, Dissertation, Princeton Uni-
versity, Princeton, 2004,
“Embedding of graph products and products of maps”, Master thesis, Comenius University,
Bratislava, 1999.

**Honors and
Awards** **Rector Award (1997 and 1999)**
Received twice the highest academic award of the Comenius University for an undergraduate.
International Math Competition (1997)
Received Grand First Prize.
International Mathematical Olympiad (1992–94)
Member of the national team; received silver medal in 1993 and 1994, bronze medal in 1992.

**Teaching
Experience** **Postdoctoral Fellow at McMaster University (2004-2006)**
Taught courses Linear Algebra, Introductory Calculus for Business, Humanities and the Soci-
al Sciences, Calculus I and Calculus III.
Assistant in Instruction at Princeton University (2000-2004)
Taught a course in linear algebra and held regular help-sessions in calculus and algebra. Gra-
ded for courses in calculus, linear algebra, complex analysis real analysis, ordinary differential
equations, algebraic topology and differential geometry.

**Conferences,
Seminars** Oct 2005 *Geometry and Topology Seminar*, University at Buffalo,
Sep 2005 *Geometry and Topology Seminar*, McMaster university,

Feb 2005 *Geometry and Topology Seminar*, University of Waterloo,
Sep 2004 *Geometry and Topology Seminar*, McMaster University,
Dec 2002 Alumni week, Comenius Univeristy, Bratislava, Slovakia,
May 1997 32nd Czech and Slovak Conference "Grafy 97", Chudenice, Czech rep.

References Prof. Hans Boden, McMaster University,
E-mail address: boden@math.mcmaster.ca
Prof. Zoltán Szabó, Princeton University,
E-mail address: szabo@math.princeton.edu
Prof. Martin Škoviera, Comenius University,
E-mail address: skoviera@dcs.fmph.uniba.sk

Languages Slovak, English,
Russian (intermediate)