

Contact Information and Personal Data

Name: Kevin Wildrick
Professional Address: Department of Mathematical Sciences
Montana State University
P.O. Box 172400
Bozeman, MT, 597171-2400 USA
Date of birth: 25.03.1981
Citizenship: USA
Telephone: +1 406.994.3123
E-mail: kevin.wildrick@montana.edu

Degrees and Education

- **University of Bern, Switzerland** Habilitation in Mathematics, January 2014.
 - Thesis: Sobolev mappings, dimension, and differentiation.
- **University of Michigan, Ann Arbor, Michigan, USA** Ph.D. in Mathematics, August 2007.
 - Dissertation: Quasisymmetric parameterizations of two-dimensional metric spaces.
 - Advisor: Mario Bonk, Professor of Mathematics, University of Michigan.
- **University of Michigan, Ann Arbor, Michigan, USA** Ph.D. Candidate (equivalent of Master's degree) in Mathematics, September 2005.
- **University of Virginia, Charlottesville, Virginia, USA** B.A. in Mathematics, May 2002 with High Distinction.
 - Bachelor's Thesis: The Riemann-Roch theorem for algebraic function fields.
 - Thesis Advisor: Harold Ward, Professor of Mathematics, University of Virginia.

Primary Research Interests: Analysis on metric spaces, quasiconformal and quasisymmetric mappings, geometric measure theory, geometric function theory, geometric group theory, non-linear functional analysis.

2010 Mathematics Subject Classification 30C, 28A.

Employment and Research Experience

- Assistant Professor (tenure track), Department of Mathematics, Montana State University, Bozeman, Montana, USA, August 2014 - present.
- Post-doctoral Researcher and Assistant: Department of Mathematics, University of Fribourg, Switzerland, September 2013 - August 2014.
- Post-doctoral Researcher and Assistant: Mathematics Institute, University of Bern, Switzerland, August 2011 - July 2013.

- Research Member: Mathematical Sciences Research Institute Program on Quantitative Geometry, Berkeley, California, USA, August 2011 - September 2011.
- Academy of Finland Post-doctoral Researcher (a highly competitive grant-based position): University of Jyväskylä, Finland, January 2009 - June 2011.
- Post-doctoral Researcher : University of Jyväskylä, Finland, August 2007 - December 2008.
- Graduate Student Research Assistant (supervised by Mario Bonk): University of Michigan, Fall 2005, Fall 2006, Spring/Summer 2007.
- Visiting Researcher (supervised by Pekka Koskela): University of Jyväskylä, Finland, Spring/Summer 2006.
- University of Michigan Department of Mathematics Summer Research Fellow, 2003 - 2005.
- Budapest Semesters in Mathematics, Fall 2001.
- Undergraduate Researcher (supervised by Douglas Lake): University of Virginia, Summer 2001.

Selected Invited Presentations

- Conferences
 - German-Czech Analysis meeting, Decin, Czech Republic, Oct. 24 - 27, 2013.
 - Special Session on Geometric Mapping Theory in Euclidean and Non-Euclidean Spaces, AMS section meeting, Georgia Southern University, Mar. 12 - 13 2011.
 - Oberwolfach Seminar on Lipschitz Analysis, Oberwolfach, Nov. 22 - 27, 2010
 - Special Session on Non-linear Analysis and Geometry, AMS section meeting, Syracuse University, Oct. 2 - 3 2010.
- Colloquia and Seminars
 - University of Bologna: Analysis Seminar.
 - University of Neuchâtel: Groups and Analysis Seminar.
 - Montana State University: Departmental Colloquium.
 - Leipzig University: Analysis Seminar.
 - University of Fribourg: Departmental Colloquium.
 - State University of New York at Stony Brook: Dynamical Systems Seminar.
 - Universität Bern: Departmental Colloquium.
 - Czech Republic Academy of Sciences: Analysis Seminar.
 - Helsinki University of Technology: Analysis Study Seminar.
 - University of Illinois: Analysis Seminar.
 - The Ohio State University: Geometric Group Theory Seminar.

Teaching Experience

- Department of Mathematics, University of Fribourg:
 - Analysis III (assistant), Fall 2013.
 - Analysis IV (assistant), Spring 2014.
- Mathematics Institute, University of Bern:
 - Riemann Surfaces and Uniformization, Fall 2012.
 - Geometric Measure Theory (assistant), Spring 2011.
 - Control Theory (assistant), Fall 2011.
 - Abstract Algebra 1 (assistant), Fall 2011.
- Department of Mathematics, University of Jyväskylä:
 - Lukualueet (Number Fields, taught in Finnish), Fall 2010.
 - Differential Topology, Spring 2010.
 - Quasiconformal mappings (assistant), Spring 2008.
- Department of Mathematics, University of Michigan:
 - Multivariable Calculus (assistant), Spring 2005.
 - Differential Equations (assistant), Spring 2004.
 - Calculus II, Fall 2003, Fall 2004.
 - Calculus I, Spring 2003.
 - Data, Functions, and Graphs, Fall 2002
- Mathematics Placement Advisor, College of Literature, Science, and the Arts, University of Michigan, Summer 2003.

Supervised Theses

- Annina Iseli, Master's thesis, "Parameterizations of Fractal Curves", December, 2013 (joint supervision with Zoltán Balogh).
- Thomas Zürcher, Ph.D. thesis, "Regularity of Sobolev-Lorentz mappings on null sets", December 2009 (joint supervision with Pekka Koskela).
- Lauri Tuominen, Bachelor's thesis, "The inverse function theorem", April 2010.

Memberships, Honors, and Awards

- Sokol International Study Fellowship, University of Michigan, Summer 2006.
- Arthur Herbert Copland, Sr. Memorial Scholarship, University of Michigan, Summer 2004.

- E.J. McShane Prize for Outstanding Undergraduate Performance in Mathematics, University of Virginia, 2002.
- Member, Phi Beta Kappa, inducted 1999.
- Member, Pi Mu Epsilon National Mathematics Honor Society, inducted 1999.
- Invited Artist, “Displacement” multidisciplinary juried art show, Work Gallery, University of Michigan School of Art, 2005.

Service Activities

- Co-organizer, “ $\text{Inf}^2(A)$ ” Analysis Seminar, University of Fribourg, 2014.
- English Language Advisor at Large, University of Jyväskylä, 2007 - 2011.
- Organizer, “What is....” Seminar, University of Jyväskylä, 2008 - 2009.
- Organizer, Student Analysis Seminar, University of Michigan, 2004 - 2005.
- Organizer, Analysis Qualifying Exam Review Seminar, University of Michigan, 2004 - 2006.
- Mentor for incoming graduate students, University of Michigan, 2004 - 2006.
- Graduate Student Employees Organization Representative, Department of Mathematics, University of Michigan, 2003 - 2005.