

Scott Corry

Lawrence University
Department of Mathematics
711 E. Boldt Way
Appleton, WI 54911

(920)832-7287
scott.corry@lawrence.edu
www.lawrence.edu/fast/corrys

Employment

- Assistant Professor of Mathematics, Lawrence University, 2007-

Education

- Ph.D. in mathematics, University of Pennsylvania, 2007
Advisor: Florian Pop
- B.A. in mathematics, Reed College, 2001

Honors, Awards, Short-term Positions

- Visiting Fellow, Isaac Newton Institute for Math. Sciences, July-August 2009
- SAS Dissertation Fellow, University of Pennsylvania, 2006-2007
- Eugenio Calabi Scholar, UPenn Department of Mathematics, 2002-2007
- NSF Graduate Research Fellow, 2002-2006
- Dean's Scholar, University of Pennsylvania, 2005
- Good Teaching Awards, UPenn Dept. of Mathematics, Fall 2004, Spring 2005
- Phi Beta Kappa, Reed College, 2001
- Barry M. Goldwater Scholar, 2000

Teaching

- Courses at Lawrence: Calculus I, II, III, Foundations of Algebra, Topics in Geometry, Rings and Fields, Number Theory, Freshman Studies I
- Tutorials at Lawrence: Elementary Number Theory, Commutative Algebra, Algebraic Curves
- Independent Studies at Lawrence: Area in Euclidean Geometry
- Courses assisted at The University of Pennsylvania: Advanced Calculus I, Algebra II, Calculus II

Publications

- *Galois covers of the open p -adic disc*, manuscripta math., 2009, DOI 10.1007/s00229-009-0301-4.

- *The pro- p Hom-form of the birational anabelian conjecture* (with F. Pop), J. Reine Angew. Math (Crelle's Journal), **628** (2009), 121-127.
- *A Hom-form of the pro- p birational anabelian conjecture*, extended abstract of talk at the Oberwolfach workshop "Arithmetic and Differential Galois Groups", published in Mathematisches Forschungsinstitut Oberwolfach Report No. 26/2007
- *Arithmetic and geometry of the open p -adic disc*, Ph.D. dissertation, University of Pennsylvania, May 2007
- *Hilbert functions of finite group orbits: abelian and metacyclic groups*, Senior thesis, Reed College, May 2001

Research and Invited Talks

- *The pro- p Hom-form of the birational anabelian conjecture*, August 2009
Anabelian Seminar, Isaac Newton Institute for Math. Sciences (Cambridge, UK)
- *Galois Theory and Rational Points on Curves*, April 2009
Colloquium, University of Wisconsin – Oshkosh
- *Arithmetic and Geometry: $\frac{2}{7}$ of the liberal arts*, March 2008
Mortar Board "First Chance / Last Chance Lecture", Lawrence University
- *A Hom-form of the pro- p birational anabelian conjecture*, May 2007
Oberwolfach Workshop "Arithmetic and Differential Galois Groups"
- *Galois Theory: To Infinity and Beyond*, February 2007
Earlham College
- *Galois Theory: To Infinity and Beyond*, January 2007
Lawrence University
- *Galois covers of the open p -adic disc*, January 2007
Special Session on Arithmetic Geometry at the AMS Joint Meetings, New Orleans
- *Galois covers of the open p -adic disc*, December 2006
Galois Seminar, University of Pennsylvania (2 talks)
- *Arithmetic and geometry of the open p -adic disc*, April 2006
Galois Workshop, University of Pennsylvania
- *What is Galois Theory?*, April 2006
Colloquium, Lycoming College

Selected Other Talks

- *Geometric points in NCAG*, April 2007
Graduate Student Seminar on Non-commutative Algebraic Geometry, UPenn
- *Kernel functors and localization*, February 2007
Graduate Student Seminar on Non-commutative Algebraic Geometry, UPenn (2 talks)

- *Abelian varieties are projective*, September 2006
Graduate Student Seminar on Abelian Varieties, UPenn
- *The Brauer group of a scheme*, April 2006
Graduate Student Étale Cohomology Seminar, UPenn
- *The rationality of p -adic Poincaré series*, November 2005
Topics Course on Model Theory and Quadratic Forms, UPenn
- *Self maps of \mathbb{P}^1 with prescribed ramification in characteristic p* , July 2005
Galois Seminar, UPenn (2 talks)
- *Double shuffle relations on multizeta values*, March 2005
Arizona Winter School, University of New Mexico
- *Semi-stable reduction of p -cyclic covers of the projective p -adic line*, February 2005
Galois Seminar, UPenn (2 talks)
- *Galois representations on rooted trees*, October 2004
Galois Seminar, UPenn (2 talks)
- *Alternating groups as monodromy groups of curves*, June 2004
Galois Seminar, UPenn
- *Lifting Galois covers of smooth curves*, May 2004
Galois Seminar, UPenn (2 talks)
- *Reduction and lifting of finite covers of curves*, January 2004
Galois Seminar, UPenn (2 talks)
- *Embedding problems and arithmetic lifting*, September 2003
Galois Seminar, UPenn

Conferences Attended

- Introductory Workshop: *Non-Abelian Fundamental Groups in Arithmetic Geometry*, Isaac Newton Institute for Math. Sciences (Cambridge, UK), July 2009
- Miniconference on Pro- p Groups in Number Theory, University of Wisconsin – Madison, April 2008
- p -adic Methods and Rational Points, Renyi Institute (Budapest), May 2007
- Arithmetic and Differential Galois Groups, Oberwolfach, May 2007
- AMS Joint Meetings, New Orleans, January 2007
- Galois Workshop, University of Pennsylvania, April 2006
- Deligne's 61st Birthday Conference, Institute for Advanced Study, October 2005
- Arizona Winter School, University of New Mexico, March 2005
Leila Schneps working group on multizeta values

Professional Service

- Reviewer for Zentralblatt MATH, 2008-

Professional Memberships

- American Mathematical Society, 2002-