

Scott Corry

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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

- Young Teacher Award, Lawrence University, 2011
- 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, Foundations of Analysis, Linear Algebra, Topics in Geometry, Rings and Fields, Number Theory, Freshman Studies I, Environmental Studies Seminar – Community Read
- Tutorials at Lawrence: Elementary Number Theory, Commutative Algebra, Algebraic Curves, Putnam Problems, Linear Algebra
- Independent Studies at Lawrence: Area in Euclidean Geometry, Riemann Surfaces, Graphs and Riemann Surfaces, Differential Geometry, Group Theory, Combinatorial Game Theory
- Courses assisted at The University of Pennsylvania: Advanced Calculus I, Algebra II, Calculus II

Publications

- *Harmonic Galois theory for finite graphs*, to appear in Proceedings for Conferences in Kyoto (October 2010) “Galois-Teichmüller Theory and Arithmetic Geometry” (H. Nakamura, F. Pop, L. Schneps, A. Tamagawa eds.), Advanced Studies in Pure Mathematics.
- *Genus bounds for harmonic group actions on finite graphs*, Int. Math. Res. Notices, **2011**, No. 19 (2011), 4515-4533.
- *Galois covers of the open p -adic disc*, manuscripta math., **131**, No. 1-2 (2010), 43-61.
- *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.

Recent Talks

- *Symmetry: an example from graph theory*, November 2011
Science Hall Colloquium, Lawrence University
- *Harmonic Galois theory for finite graphs*, February 2011
Galois Seminar, University of Pennsylvania
- *Galois branched covers of finite graphs*, October 2010
Galois-theoretic Arithmetic Geometry, International Inst. for Advanced Study (Kyoto)
- *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

Conferences Attended

- Galois-theoretic Arithmetic Geometry, IAS (Kyoto), October 2010
- 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 Memberships

- American Mathematical Society, 2002-

Professional Service

- Reviewer for Zentralblatt MATH, 2008-
- MAA Departmental Liaison, 2009-