

CURRICULUM VITAE

MIRELA ÇIPERIANI

Address

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Personal Information

Born August 13th 1976 in Shkoder, Albania.
Albanian Citizen and US Permanent Resident.

Education

2002-2006 Princeton University, Ph.D. (April 2006).
2000-2002 Princeton University, Master's Degree.
1996-2000 Smith College, B.A (Summa cum Laude).

Research interests

Arithmetic Algebraic Geometry, Algebraic Number Theory.

Employment

2009- Assistant Professor at The University of Texas at Austin.
2005-2009 Ritt Assistant Professor at Columbia University.
Spring 2006 Postdoctoral Fellow at The Mathematical Sciences Research Institute.

Teaching experience

The University of Texas at Austin:

Fall 2011: Algebraic Structures I.
Spring 2011: Graduate Algebra II.
Fall 2010: Algebraic Structures I.
Spring 2010: Introduction to Number Theory
Fall 2009: Algebraic Structures I.

Conference (reading) Courses:

Summer 2011: Keenan Kidwell, Brandon Carter, Joseph Cunningham.

Spring 2011: Keenan Kidwell.

Fall 2010: Keenan Kidwell, Joseph Gunther, Eric Baker, Jeffrey Escamilla.

Summer 2010: Keenan Kidwell, Khalid Hourani.

2009/10: Keenan Kidwell.

Columbia University:

2008/09: Linear Algebra (three sections)

Spring 2008: Linear Algebra.

Fall 2007: Calculus I and Linear Algebra.

2006/07: Linear Algebra (two sections).

Fall 2005: Calculus I (two sections).

Princeton University:

Fall 2002: Linear Algebra with Applications.

Papers

- Weil-Chatelet divisible elements in the Tate-Shafarevich group (with J. Stix), submitted.
- Relative Brauer groups of genus one curves (with D. Krashen), submitted.
- Tate-Shafarevich groups in anticyclotomic \mathbb{Z}_p -extensions at supersingular primes, *Compositio Math.* 145 (2009), 293-308.
- Solvable points on genus one curves (with A. Wiles), *Duke Mathematical Journal* 142 (2008), no. 3, 381–464.
- McKay's Correspondence, Undergraduate Thesis (under the direction of James E. Humphreys), 2000.

Invited talks

April 10, 2006 - Number Theory Seminar, University of Michigan.

April 17, 2006 - Number Theory Seminar, MSRI.

April 25, 2006 - Penn Galois Workshop, University of Pennsylvania.

May 1, 2006 - Number Theory Seminar, UCLA.

May 12, 2006 - Postdoc Seminar, MSRI.

June 8, 2006 - Groupes Réductifs et Formes Automorphes, Chevaleret, France.

June 21, 2006 - Workshop: Automorphic Galois Representations, L-functions and Arithmetic, Columbia University.

November 16, 2006 - Québec-Vermont Number Theory Seminar, Concordia University, Canada.

April 10, 2007 - Algebra and Number Theory Seminar, University of Arizona.

May 18, 2007 - Arithmetic and Differential Galois Groups, Oberwolfach, Germany.

November 5, 2007 - Number Theory Seminar, UCLA.

February 18, 2008 - Number theory and representation theory seminar, University of Michigan.

March 28, 2008 - Recent Developments in Number Theory: Selmer Groups, L-functions, and Galois Deformations; UCLA.

April 17, 2008 - Number Theory Seminar, MIT.

October 9, 2008 - Colloquium, Rice University.

November 4, 2008 - WIN Workshop, Banff International Research Station, Canada.

July 7, 2009 - Research Program, PCMI 2009.

July 31, 2009 - Non-abelian Fundamental Groups in Arithmetic Geometry-Introductory Workshop, Newton Institute, UK.

October 15, 2009 - Number Theory Seminar, University of Texas at Austin.

December 4, 2009 - Clay Mathematics Institute Workshop: Sage Days 18.
 December 5, 2009 - Palmetto Number Theory Series XI, University of South Carolina.
 January 11, 2010 - Number Theory Seminar, University of Heidelberg, Germany.
 January 13, 2010 - Number Theory Seminar, University of Nottingham, UK.
 May 15, 2010 - Southern California Number Theory Day, Caltech.
 May 24, 2010 - Number Theory Seminar, Northwestern University.
 June 15, 2010 - Field Arithmetic workshop, Tel-Aviv University, Israel.
 July 9, 2010 - Iwasawa 2010 Conference, Fields Institute, Canada.
 October 14, 2010 - Colloquium, University of Oklahoma.
 November 17, 2010 - Number Theory Seminar, Arizona State University.
 November 18, 2010 - Colloquium, Arizona State University.
 March 3, 2011 - Number Theory Seminar, University of Texas at Austin.
 May 5, 2011 - Conference on the Birch and Swinnerton-Dyer Conjecture, Cambridge, UK.
 June 3, 2011 - Number Theory Seminar, Stanford University.
 October 15, 2011 - Workshop on Iwasawa Theory, University of Arizona.

Memberships, Honors, and Awards

2011-2013 NSA Grant
 Spring 2011 College of Natural Sciences Teaching Excellence Award.
 2008-2011 NSF Grant DMS-07-58362.
 2000- Member of the Phi Beta Kappa Society, the Sigma Xi Society and the AMS.

Service

- Referee for: *Compositio Mathematica*, *Journal of Number Theory*.
- Co-organizer of the Number Theory Seminar, Fall 2009 - present.
- Member of the Postdoctoral Hiring Committee, Department of Mathematics, Academic year 2009/10.
- Member of the Appointments Committee, Department of Mathematics, Academic year 2010/11.
- Member of the Undergraduate Program Review Committee, Department of Mathematics, Academic year 2011/12.
- Member of the Dean's Scholars Steering Committee, Spring 2011-present.
- Member of the Algebra Prelim Exam Committee, August 2010, August 2011.
- Member of Candidacy Committee for: Keenan Kidwell (August 2010).
- Member of the dissertation committee for: Paul Fili (April 2010); Zachary Miner (April 2011); Mark Lewko; Nikolas Rauh.