

Ekin Ozman

CONTACT INFORMATION

Department of Mathematics
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CITIZENSHIP

Turkey

RESEARCH INTERESTS

Algebraic Number Theory, Arithmetic Geometry, Rational Points on Twists of Modular Curves, Q -Curves, Galois Towers of Curves.

EDUCATION

University of Wisconsin-Madison, Madison, Wisconsin USA
Graduate Student in Ph.D. Program of Department of Mathematics
• Advisor: Professor Jordan Ellenberg
• Area of Study: Rational Points on Twists of Modular Curves
M.Sc. in Mathematics, December 2006

Bilkent University, Ankara, Turkey
Master of Science Program, 2004-2005

Middle East Technical University, Ankara, Turkey
B.S. in Mathematics with High Honour Degree, 2004

PUBLICATIONS

- *Adelic Points on Quadratic Twists of Modular Curves*, work in progress.
- *Semi-direct product Galois covers of curves in characteristic p* , with L.Gruendken, L.Hall-Seelig, B. Im, R. Pries and K. Stevenson, submitted for publication.
- *Matematiksel Origami(Mathematical Origami)*, Bilim ve Teknik (Turkish NSF founded Popular Science Magazine), 2006

TALKS GIVEN

- *Adelic Points, Q -Curves and Obstructions*, Arithmetic Geometry session in JMM, San Francisco, 2010
- *Points on Quadratic Twists of $X_0(N)$* , University of Georgia-Athens Number Theory Seminar, September 2009
- *Quadratic Q -curves*, Career Mentoring Workshop, Wheaton College, 2009
- *Q -Curves and Twists of $X_0(N)$* , Park City Graduate Summer School, 2009
- *Covers of Curves in Characteristic p* , Women in Numbers, BIRS, 2008
- *Introduction to Hilbert Modular Surfaces*, Student Number Theory Seminar, UW-Madison, 2008
- *Mod- p Galois Representations of Elliptic Curves*, Midwest Number Theory Conference for Graduate Students V, UW-Madison, 2007
- *Rudiments of non-abelian Iwasawa theory: completed group algebras of linear p -adic groups*, Group Theory Seminar, UW-Madison, 2007

- *Explicit computations in Iwasawa Theory*, Presentation of a project directed by John Coates, Summer School in Iwasawa Theory, 2007
- *Beyond Mazur*, Student Number Theory Seminar, UW-Madison, 2007
- *Examples in p -adic Cohomology of Hyperelliptic Curves*, Presentation of a project directed by Kiran Kedlaya, Arizona Winter School, 2007
- *BSD over Function Fields*, Student Number Theory Seminar, UW-Madison, 2006

TEACHING
EXPERIENCE

University of Wisconsin-Madison

- *Instructor*, Intermediate Algebra, Spring 2009, Summer 2009 (Awarded as one of the MATH department Best TA) (Giving lectures, preparing and grading quizzes, HWs, exams)
- *Teaching Assistant*, First and Second semesters Calculus, Calculus of Several Variables and Discrete Math, Fall 2005-Fall 2009 (Handling discussion sections, preparing and grading quizzes and HWs)
- *New International Math TA (ITA) Orientation Coordinator*, Summer 2007, 2008, 2009 (Observing and giving feedback to new ITAs teaching, organizing activities to help them improve their teaching)

Bilkent University, Ankara, Turkey

- *Teaching Assistant*, Calculus, Spring 2005
- *Grader*, Linear Algebra, Fall 2004

Middle East Technical University, Ankara, Turkey

- *Volunteer Teacher*, Elementary and Middle School, Spring 2001-Spring 2005 (Giving an answer to 'Why do we need to know Math?' using various acting involved games)

CONFERENCES
AND SUMMER
SCHOOLS

- Joint Math Meetings, San Francisco, 2010
- Career Mentoring Workshop for Women, Wheaton College, 2009
- Park City Graduate Summer School, June 28-July 18, 2009
- Arizona Winter School on Quadratic Forms, University of Arizona, March 14-18, 2009
- Women in Numbers, BIRS, November 2-7, 2008
- Modular Forms and Arithmetic, MSRI, June 28-July 2, 2008
- Selmer Groups, L-functions and Galois Deformations, UCLA, March 24-29, 2008
- Midwest Number Theory Conference for Graduate Students V, UW-Madison, November 3-4, 2007
- Summer School in Iwasawa Theory, University of McMaster, August 9-13, 2007
- Applicable Algebraic Geometry, Texas A&M University, July 23-August 10, 2007
- Workshop on p -adic Methods and Rational Points, Renyi Institute of Mathematics, Budapest, Hungary, May 18-20, 2007
- Arizona Winter School, P -adic Geometry, University of Arizona, March 10-14, 2007
- Midwest Number Theory Conference for Graduate Students IV, University of Illinois, October 28-29, 2006

- EMS-Summer School, Arithmetic and Geometry Around Quantization, Istanbul, Turkey, June 5-15,2006
- 8th Antalya Algebra Days, Antalya, Turkey, 17-21 May, 2006
- 7th Antalya Algebra Days, Antalya, Turkey, 18-22 May, 2005

AWARDS

- AWM Grant for JMM, one of the ten women graduate students chosen and funded by AWM to attend and present research in AWM Workshop in JMM 2010
- Elizabeth S. Hirschfelder Scholarship, one of the two women graduate students who are making excellent progress towards the PhD, 2009
- Math Department Best TA award, 2009
- Elizabeth S. Hirschfelder Scholarship, one of the three women graduate students who are making excellent progress towards the PhD, 2008
- University Housing's Honored Instructor Award, 2008
- TUBITAK (Turkish NSF) scholarship, for graduate students who are in natural sciences and making good progress in their program, 2005

OTHER PROFESSIONAL INFORMATION

- Member of 'Women in Math'(inviting women colloquium speakers to UW-Madison)
- Co-organizer of Midwest Graduate Students Number Theory Conference-V
- Computer Skills: Magma
- Languages: English, French(reading math only)