

Robert Harron

Instructor and Post-Doctoral Faculty Fellow
Department of Mathematics and Statistics
Boston University

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CITIZENSHIP: Canadian, with American permanent residency

RESEARCH: Algebraic number theory, generalized Iwasawa theory, families of p -adic Galois representations and automorphic forms. In particular, L -invariants of p -adic Galois representations.

EDUCATION

- 2004 – 2009 **Ph.D. in Mathematics, Princeton University**
Thesis: L -invariants of some low symmetric powers of modular forms and Hida deformations
Advisor: Andrew Wiles
Awards: First Year Fellowship in Science and Engineering
- 2000 – 2004 **B.Sc. First Class Honours in Mathematics and Physics, McGill University**
GPA: 3.92/4.00
Awards: Dean's Honour List (2002 – 2004)
Charles Fox Memorial Prize in Mathematics (2004)
P. R. Wallace Prize in Theoretical Physics (2004)
J. W. McConnell Award (2003)
Anne Molson Scholarship (2003)
E. R. Pounder Prize in Physics (2002)

PUBLICATIONS

- *On Greenberg's L -invariant of the symmetric sixth power of an ordinary cusp form*, submitted, [arXiv:1007.2213v1](https://arxiv.org/abs/1007.2213v1)

TEACHING EXPERIENCE

- 01/2011 – 05/2011 **Instructor, MA 341: Introduction to Number Theory**
Dept. of Mathematics and Statistics, Boston University
- 09/2010 – 12/2010 **Instructor, MA 123: Calculus I**
Dept. of Mathematics and Statistics, Boston University
- 01/2010 – 05/2010 **Instructor, MA 542: Modern Algebra II**
Dept. of Mathematics and Statistics, Boston University
- 09/2009 – 12/2009 **Instructor, MA 142: Introduction to Linear Algebra**
Dept. of Mathematics and Statistics, Boston University
- 01/2009 – 05/2009 **Instructor, MAT 218: Analysis in Several Variables**
Dept. of Mathematics, Princeton University

- 09/2008 – 01/2009 **Instructor, MAT 201: Multivariable Calculus**
Dept. of Mathematics, Princeton University
- 09/2006 – 01/2007 **Instructor, MAT 203: Advanced Multivariable Calculus**
Dept. of Mathematics, Princeton University
- 03/2004 – 04/2004 **TA for Algebra II (MATH-251B)**
Dept. of Mathematics and Statistics, McGill University
- 09/2003 – 04/2004 **Tutor at the Math HelpDesk**
01/2003 – 04/2003 Dept. of Mathematics and Statistics, McGill University
The Math HelpDesk is a free drop-in tutoring program for McGill students
- 01/2003 – 04/2003 **Marker and TA for Analysis II (MATH-255B)**
Dept. of Mathematics and Statistics, McGill University

ADVISING

- 01/2011 – 05/2011 **MA 944: Directed Study in Number Theory II**
Reading course on Algebraic Number Theory
- 09/2009 – 12/2009 **MA 648: Research Methods in Mathematics II**
Advised a student on representing integers by quadratic forms

INVITED TALKS

- 02/2011 **Brandeis University Everytopic Seminar**
- 02/2011 **University of Michigan, Ann Arbor GLNT Seminar**
- 03/2010 **University of Texas at Austin Number Theory Seminar**
- 10/2009 **Boston University Number Theory Seminar**
- 10/2009 **Wesleyan Departmental Colloquium**
- 02/2009 **Boston University Number Theory Seminar**

AWARDS

- 2006 – 2009 **FQRNT Scholarship**
Fonds Québécois de la Recherche sur la Nature et les Technologies
Amount: \$ 20,000 CDN / year
- 2004 – 2006 **FQRNT Scholarship**
Fonds Québécois de la Recherche sur la Nature et les Technologies
Amount: \$ 15,000 CDN / year
- 2004 **NSERC Postgraduate Scholarship**
Natural Sciences and Engineering Research Council of Canada
Declined

- 2003 **NSERC Undergraduate Summer Research Award**
 Supervisor: Prof. Henri Darmon
 Research: Elliptic curves over function fields in characteristic p
 Location: Dept. of Mathematics and Statistics, McGill University
 Amount: \$ 4,500 CDN
- 2002 **NSERC Undergraduate Summer Research Award**
 Supervisor: Prof. Michael Hilke
 Research: Self-consistent Schrödinger–Poisson solver, and lab automation
 Location: Dept. of Physics, McGill University
 Amount: \$ 4,500 CDN

COMMITTEE POSITIONS

- 05/2005 – 05/2009 **Member of the Departmental Graduate Student Committee**
 Department of Mathematics, Princeton University
- 12/2005 – 03/2008 **Bar Czar (Bar Manager)**
 The Graduate College House Committee, Princeton University
- 03/2006 – 10/2007 **Mathematics Representative**
 Graduate Student Government, Princeton University
- 09/2003 – 04/2004 **Member of the Faculty of Science Committee**
 McGill University
- 09/2003 – 04/2004 **Member of the Academic Committee**
 Faculty of Science, McGill University
- 09/2003 – 04/2004 **Member of the Committee of Undergraduate Affairs**
 Dept. of Mathematics and Statistics, McGill University
- 09/2003 – 04/2004 **Member of the Freshman Affairs Subcommittee of the CUA**
 Dept. of Mathematics and Statistics, McGill University
- 05/2003 – 04/2004 **Honours Representative for SUMS**
 McGill Society of Undergraduate Mathematics Students

OTHER WORK EXPERIENCE

- 12/2005 – 05/2009 **Bartender**
 Debasement Bar, The Graduate College, Princeton University
- 12/2005 – 06/2008 **Bar Czar (Manager)**
 Debasement Bar, The Graduate College, Princeton University