Address

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Employment

- Institute of Mathematics Simion Stoilow of the Romanian Academy: Scientific Researcher III, 2009–present
- College of the Holy Cross: Visiting Assistant Professor, 2008–2009
- University of Pennsylvania: Lecturer, 2006–2008
- Princeton University: Instructor, 2003–2006

Education

- Harvard University, Ph.D. in Mathematics, 2003, *Central values of L-series over real quadratic fields*, under B. H. Gross.
- Princeton University, B.A. Summa cum Laudae in Mathematics, 1998.

Research interests

- Number theory: modular forms, automorphic representations

Awards

- Good Teaching Award for MAT 350, Fall 2007, University of Pennsylvania
- Teaching Award for excellence in teaching at Harvard University, Spring 2000
- George B. Covington Prize for overall undergraduate achievement in mathematics, Princeton University, 1998
- Phi Beta Kappa, 1998
- Andrew H. Brown Prize for junior independent work, Princeton University, 1997
- Top 25 contestant in the Putnam competition, 1996
- Bronze medals at the International Mathematics Olympiad, Hong Kong 1994, and Moscow 1992

Grants

- Director, Marie Curie International Reintegration grant financed by the European Comission at IMAR, October 2009–September 2013
- Member, Young researcher grant team financed by CNSCSIS at IMAR, July 2011–June 2014 (director Ionel Popescu)

Conferences organized

- Coorganizer (with A. Cojocaru), *Bucharest Number Theory Day*, Bucharest July 16, 2013
- Coorganizer (with C. Costara, C. Enache, D. Ibadula, L. Ignat, A. Macinic), *Workshop for Young Researchers in Mathematics*, May 2013, Constanta

· Coorganizer (with A. Diaconu, V. Pasol), *Workshop on automorphic forms and L-functions*, Bucharest, June 6-8, 2012

Research visits

· Max Planck Institute for mathematics, Bonn, February 1–March 15, 2013

· Alfréd Rényi Institue of Mathematics, Budapest, October 29–November 4, 2012

· International Centre for Theoretical Physics and American Institute of Mathematics School and Workshop on *Computational Algebra and Number Theory,* Trieste, June 18–29 2012

· Max Planck Institute for mathematics, Bonn, February 11–29, 2012

· Max Planck Institute for mathematics, Bonn, April 10–May 10, 2010

· Max Planck Institute for mathematics, Bonn, July 6–August 6, 2008

· Clay Institute summer school on *Dynamical systems and number theory*, Pisa, June 11–July 6, 2007

· American Institute of Mathematics workshop on *Eisenstein Series and applications*, Palo Alto, August 15–19, 2005

Talks

Conferences

· Invited talk, Conference on algebraic and analytic number theory, May 2013, Constanta, Romania

· Invited talk, Workshop for Young Researchers in Mathematics, May 2013, Constanta, Romania

· Invited talk, Workshop for Young Researchers in Mathematics, May 2012, Constanta, Romania

· Invited talk, The Seventh Congress of Romanian Mathematicians, July 2011, Brasov, Romania

· Invited talk, AMS meeting, Courant Institute, March 2008

· Contributed talk, Journée arithmetiques, Marseille, July 2005

· Invited talk, AMS meeting, UC Santa Barbara, March 2005

· Invited talk, AMS meeting, Rider University, April 2004

Seminars

· Number theory, Alfréd Rényi Institue of Mathematics, Budapest, Oct. 2012

· Number theory, University of Köln, Oct. 2012

· Nicolae Popescu number theory seminar, IMAR, Bucharest, April 2012

· Number theory, Adam Mickiewicz University, Poznan, November 2010

· Monthly conference, IMAR, Bucuresti, January 2010

· Number theory, University of Illinois at Chicago, March 2009

· Number theory lunch seminar, Max Planck Institute, Bonn, July 2008

· Algebra, University of Pennsylvania, April 2008

- Algebra, University of Pennsylvania, January 2007
- Algebra, geometry and physics, SUNY at Stony Brook, February 2006
- Number theory, Johns Hopkins University, January 2006
- Number theory, UC Berkeley, September 2005
- Number theory, McGill University, March 2005
- Number theory, University of Wisconsin at Madison, November 2003
- Number theory, Princeton University, October 2003
- Number theory, Harvard University, April 2003
- Number theory, Columbia University, March 2003

Teaching

Scoala Normala Superioara Bucuresti

- *Lie groups, Lie algebras and their representations*, Spring 2011: preliminary level course;
- *Modular forms and L-functions*, Spring 2009: masters level course.

College of the Holy Cross

- Taught six undergraduate calculus courses.

University of Pennsylvania

- *Elementary number theory,* Fall 2007: course intended for both math and nonmath majors;
- *Calculus I, Calculus II, Calculus III* Spring 2007, Spring 2008: large lecture courses;
- *Complex analysis,* Fall 2006: advanced undergraduate course, primarily for math majors.

Princeton University:

- *Numbers, Equations and Proofs*, Spring 2006: course designed to expose undergraduates to proofs for the first time;
- *L-functions and modular forms*, Fall 2005: a seminar for juniors majoring in math aimed at exposing them to independent research;
- *Analysis in several variables*, Spring 2004: advanced course for prospective math majors;
- *Multivariable calculus*, Fall 2003, Spring 2004, Fall 2004, Spring 2005, Fall 2005: large course with multiple sections; responsible for coordinating the entire course during the Spring 2004.

Harvard University:

- Taught six undergraduate calculus courses between Fall 1999-Spring 2003.