Address

Institute of Mathematics
    of the Romanian Academy
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Employment
- Institute of Mathematics "Simion Stoilow" of the Romanian Academy: 2008–present, currently Research Scientist I
- 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*, advisor B. H. Gross
- Princeton University, B.A. Summa cum Laudae in Mathematics, 1998

Research interests
- Number theory: modular forms, automorphic representations

Grants
- Director, Marie Curie International Reintegration grant financed by the European Comission at IMAR, October 2009–September 2013
- Member, Young researcher team grant financed by CNSCSIS at IMAR, October 2011–October 2014 (director Ionel Popescu)
- Member, Young researcher team grant financed by CNSCSIS at IMAR, November 2015–October 2017 (director Vicenţiu Paşol)
- Member, PCE grant financed by CNSCSIS at IMAR, October 2017–December 2019 (director Sebastian Burciu)
- Director, Proiect de cercetare exploratorie PN-III-P4-ID-PCE-2020-2498 financed by the Romanian Council of Scientific Research and UEFISCDI at IMAR, 2021–2023

Awards
- "Gheorghe Lazar" award of the Romanian Academy, December 2016
- "Nicolae Dinculeanu" award of the Romanian Academy, presented at the Eighth Congress of the Romanian Mathematicians, Iaşi, June 2015
- Good Teaching Award for MAT 350, University of Pennsylvania, Fall 2007
- Teaching Award for excellence in teaching at Harvard University, Spring 2000
- George B. Covington Prize for overall undergraduate achievement in mathematics, Princeton University, 1998
- Member of Phi Beta Kappa academic honor society, 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

Research visits

· Max Planck Institute for mathematics, Bonn, February 22–March 7, 2016
· Institut des Hautes Études Scientifique, Bur-sur-Yvette, October 13–November 13, 2014
· Max Planck Institute for mathematics, Bonn, January 21–February 20, 2014
· Max Planck Institute for mathematics, Bonn, February 1–March 15, 2013
· Alfréd Rényi Institute of Mathematics, Budapest, October 29–November 4, 2012
· International Centre for Theoretical Physics Trieste, June 18–29, 2012: School and Workshop on *Computational Algebra and Number Theory,*
· 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

Conferences organized

· (with A. Cojocaru, A. Diaconu, V. Paşol) *Eleventh Bucharest Number Theory Days*, July 25-26, 2022
· (with V. Paşol, A. Zaharescu) *Special session on Number Theory*, at the 10th Congress of Romanian Mathematicians, Pitesti, June 2023
· (with A. Cojocaru, A. Diaconu, V. Paşol) *Tenth Bucharest Number Theory Days*, August 3-5, 2022
· (with A. Cojocaru, F.P. Boca, V. Paşol) *Nineth Bucharest Number Theory Day*, in honor of Alexandru Zaharescu's 60th birthday, online, June 1-3, 2021
· (with A. Cojocaru, V. Paşol) *Eighth Bucharest Number Theory Day*, online December 29, 2020
· (with A. Cojocaru, V. Paşol) *Seventh Bucharest Number Theory Day*, August 8, 2019
· (with V. Paşol, A. Zaharescu) *Number Theory*, Special section at the 9th Congress of Romanian Mathematicians, Galati, June 2019
· (with A. Cojocaru, V. Paşol) *Sixth Bucharest Number Theory Day*, July 24, 2018
· (with V. Paşol) *Workshop on L-functions and Galois representations*, Bucharest, June 19, 2018
· (with J. Bruinier) *Automorphic forms and L-functions*, section of the Joint International Meeting of the German and Romanian Mathematical Societies, Constanta, September 16-19, 2017
· (with A. Cojocaru, V. Paşol) *Fifth Bucharest Number Theory Day*, July 10-11, 2017
· (with A. Diaconu, V. Paşol) *Workshop on modular forms and Galois representations*, Bucharest, August 22-23, 2016
· (with A. Cojocaru, V. Paşol) *Fourth Bucharest Number Theory Day*, Bucharest, July 19, 2016

· (with A. Cojocaru, V. Paşol) *Third Bucharest Number Theory Day*, Bucharest, August 3, 2015
· (with A. Cojocaru) *Second Bucharest Number Theory Day*, Bucharest, July 22, 2014
· (with A. Cojocaru) *Bucharest Number Theory Day*, Bucharest, July 16, 2013
· (with C. Costara, C. Enache, D. Ibadula, L. Ignat, A. Macinic), *Workshop for Young Researchers in Mathematics*, Constanta, May 2013
· (with A. Diaconu, V. Paşol), *Workshop on automorphic forms and L-functions*, Bucharest, June 6-8, 2012

Invited talks

Conferences

· Automorphic forms conference, Budapest, Hungary, 5-9 September 2022
· Conferinta Cercetarii Stiintifice din Academia Romana, online, 23.11.2021
· Online conference on Automorphic forms, zoom, June 1-5, 2020
· 9th Congress of Romanian Mathematicians, Galati, June 29–July 3, 2019
· Transient Transcendence in Transylvania, Brasov, May 13-17, 2019
· Fifth Bucharest Number Theory Day, IMAR, July 2017
· Workshop for Young Researchers in Mathematics, 7th edition, IMAR, May 2017
· Conference on Geometric and combinatorial methods in number theory, June 2016, Iaşi
· Workshop for Young Researchers in Mathematics, May 2016, Constanta
· The 8th Congress of Romanian Mathematicians, June 2015, Iaşi
· Automorphic L-functions workshop, October 2014, University Lille 1
· Workshop for Young Researchers in Mathematics, May 2014, Constanta
· Conference on algebraic and analytic number theory, May 2013, Constanta
· Workshop for Young Researchers in Mathematics, May 2013, Constanta
· Workshop for Young Researchers in Mathematics, May 2012, Constanta
· The Seventh Congress of Romanian Mathematicians, July 2011, Brasov
· AMS meeting, Courant Institute, New York, March 2008
· Journée arithmetiques, Marseille, July 2005
· AMS meeting, UC Santa Barbara, March 2005
· AMS meeting, Rider University, April 2004

Seminars

· Monthly conference, IMAR, Bucuresti, January 2020
· Nicolae Popescu number theory seminar, IMAR, Bucharest, March 2019
· Nicolae Popescu number theory seminar, IMAR, Bucharest, March 2015
· Number theory, Alfréd Rényi Institue of Mathematics, Budapest, October 2012
· Number theory, University of Köln, October 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

Professional activities at IMAR
· Member in the scientific council, 2017–
· Deputy director at Scoala Normala Superioara Bucuresti, 2015–2019
· Taught 5 courses at Scoala Normala Superioara Bucuresti:
  · *Lattices, codes, and modular forms*, Spring 2018
  · *Algebraic number theory*, Spring 2015
  · *Lie groups, Lie algebras and their representations*, Spring 2014
  · *Lie groups, Lie algebras and their representations*, Spring 2011
  · *Modular forms and L-functions*, Spring 2009

Teaching

College of the Holy Cross
· Six undergraduate calculus courses, Fall 2008–Spring 2009

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

Spring 2004.

Harvard University:

· Six undergraduate calculus courses, Fall 1999-Spring 2003.