

## CURRICULUM VITAE

- Education:**
- Boston University, Ph.D. in Mathematics: May 2005
  - Universitatea Bucuresti, M.S. in Algebra and Number theory, 1999
  - Universitatea Bucuresti, B.A., 1997

**Publications:** see List of Publications

- Employment:**
- Institute of Mathematics of the Romanian Academy, Researcher, 1999-present
  - University of Connecticut, Assistant professor, Aug 2007-Aug-2008
  - Max-Planck Institute for Mathematics, Visitor Researcher, March 2007-Aug 2007, Feb 2011, Oct, 2013
  - Northwestern University, Visitor Lecturer, Sept 2006-March 2007
  - Centre de Recherche Mathematiques a Montreal, Visitor, Sept-Dec 2005
  - Boston University, Lectureship Assistant, Jan-May, 2006
  - Polytechnic University Of Bucharest, Assistant Professor, 1997-1998

- Teaching Experience:**
- Scoala Normala Superioara Bucuresti:
    - Spring 2013 *Introduction to the theory of  $(\phi, \Gamma)$ -modules* (Series of lectures given by Laurent Berger)
    - Fall 2012
    - Spring 2011
    - Fall 2010
    - Fall 2009
  - Boston University:
    - *Linear Algebra*, Lecturer, Spring, 2006
    - *Statistics I*, TF, MA115, Fall 2004
    - *Applied Mathematics*, TF, MA120, Fall 2004
    - *Calculus II*, Teaching, MA124, Summer I, 2004
    - *Calculus II*, TF, MA124, Spring 2004
  - PROMYS:
    - Teacher Counselor for five years: 2001,2002,2003,2004,2005

- Lab Counselor for three years: 2001(*Generalized Fibonacci numbers*), 2002(*Modular Graphs*), 2003(*Continued Fractions*).
- Polytechnic University Of Bucharest, *Linear Algebra*, 1997- 1998

**Research Interest:**

Algebraic-geometry and analytic number theory  
 Cohomology theory on Arithmetic varieties.  
 $p$ -adic distributions and modular symbols  
 $p$ -adic Galois representations  
 $p$ -adic interpolation of special values (of arithmetic  $L$ -functions)  
 Reductive groups and homomorphic encryption schemes

**Presentations :**

Univ. Iasi, Geometric and combinatorial methods in number theory, *Moduli space of hyperelliptic curves over finite fields*, June 27-July 1, 2016  
 Renyi Mathematical Institute of the Hungarian Academy, *Multiple Dirichlet series*, Sept. 1-8, 2014  
 ICERM, Brown University, Combinatorics, Multiple Dirichlet Series and Analytic Number Theory, *Higher Moments for quadratic Dirichlet series*, April 15-19, 2013  
 University of Gottingen, Number Theory Seminar, *Eisenstein Identities and  $p$ -Adic deformation*, Nov.18, 2010  
 IMAR, Selberg Trace Formula seminar, *Trace formulae for Hecke operators*, 2010  
 Universitat Autònoma de Barcelona, *Modular symbols*, Sept, 2009  
 University of Connecticut,  *$p$ -adic  $L$ -functions*, 2008  
 Max Planck Institute, *Universal Modular symbol*, Jul, 2007  
 University of Illinois at Chicago Number theory Seminar, *Products of Eisenstein series*, 2006  
 Quebeque-Vermont Number theory Seminar, *Weil representations and the Kronecker- Eisenstein Distribution*, Dec. 2005  
 CRM, Montreal *Basics on admissibility of Galois representations* Oct. 2005  
 Boston University, *Algebra and Number Theory Seminar*, Nov. 29<sup>th</sup> 2004  
 Johns Hopkins University, *Number Theory Seminar*, Nov. 22<sup>nd</sup> 2004

Boston University, *Number Theory Student Seminar* Co-founder, Numerous talks

Massachusetts Institute of Technology, *Number Theory Student Seminar*, Spring 2001

**Conferences :**

– *P-adic methods for Galois representations and modular forms*, University of Barcelona, February 11-18, 2017

– *Spectral theory, Automorphic forms and Arithmetic*, University of Copenhagen, November 14-18, 2016

– *p-Adic Deformations*, Boston University, Glenn Steven 60<sup>th</sup> birthday conference, June 1-6, 2014

– *Combinatorics, Multiple Dirichlet Series and Analytic Number Theory*, ICERM, Brown University, April 15-19, 2013

– “*Geometry and arithmetic*” on the occasion of Gerard van der Geer’s 60th birthday.-Schiermonnikoog , Nederlands, Sept.20-24, 2010

– *Intersection of Arithmetic Cycles and Automorphic Forms*, CICMA-CRM, December 12-16, 2005.

– *Workshop on the p-adic representations.*, CICMA-CRM, September 12-16, 2005.

– *Eisenstein series and Applications.*, AIM, Palo Alto, August 14-19, 2005.

– *Open Questions and Recent Developments in Iwasawa Theory.*, In honor of Ralph Greenberg’s 60th birthday, Boston University, June 13-17, 2005

– *The Lichtenbaum Conjectures: Progress and Prospects.*, In Honor of the 65th birthday of Stephen Lichtenbaum, Brown University, March 18-20 2005

– *L-functions and p-adic cohomology: computational perspectives*-CICMA-CRM Far Hills, Jan. 2004

– *Arizona Winter School* 2000, 2001.

– *Abelian Varieties Over Finite Fields*-Anogia, Greece, Aug. 2000

– *Valuation Theory And Related Topics*-IMAR, 1995-1999

**Conference Organizer:**

*Bucharest Number Theory Day 2,3,4,5,6* (Co-organizer with Alina Cojocaru, Alexandru Popa, Adrian Diaconu)

*Galois Representations and Modular Forms*, IMAR, 22-23 August 2016  
(Co-organizer with A. Diaconu, A. Popa)

*Workshop on L-functions and Galois Representations*, IMAR, , June 19,  
2018 (Co-organizer with A. Popa)

**Honors:** "Gheorghe Lazar" Award of the Romanian Academy

Fulbright Scholar 1999-2005

Presidential University Graduate Fellowship at Boston University 1999-  
2000

Research Assistantship 2000-2003

**Personal:** *Address:* Institute of Mathematics "S.Stoilow" of The Romanian Acad-  
emy

21, Calea Grivitei Street 010702-Bucharest, Sector 1,Romania

*Biographical:* Born August 20<sup>th</sup>, 1975, Romania