

# Andrei Popescu – Curriculum Vitae

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## Education

- 2010 Ph.D. in Computer Science, University of Illinois at Urbana-Champaign, United States
- 2006 Ph.D. in Mathematics, University of Bucharest, Romania
- 2003 M.Sc. in Computer Science, University of Bucharest, Romania

## Positions

- from 2014 Senior Lecturer, Middlesex University, London, United Kingdom
- from 2008 Researcher, Institute of Mathematics Simion Stoilow, Bucharest, Romania
- 2010–2014 Postdoctoral Researcher, Technische Universität München, Germany
- 2008 Student Intern, Microsoft Research Cambridge, United Kingdom
- 2004–2010 Research and Teaching Assistant, University of Illinois at Urbana-Champaign, United States

## Research Areas

My current research is centered around proof assistant infrastructure and verification of information flow security. In the past, I worked on fuzzy logic and abstract model theory.

## Publications

I have authored 53 peer-reviewed research papers on computer science and mathematics. The publication venues include prestigious conferences (such as CAV, ESOP, FOSSACS, ICFP, IEEE Security and Privacy, IJCAR, ITP, LICS, POPL and TACAS) and journals (such as Algebra Universalis, Fuzzy Sets and Systems, Journal of Automated Reasoning, Mathematical Logic Quarterly, Studia Logica and Theoretical Computer Science).

## Leading Roles in Grants

- 2016–2018 Principal investigator for EPSRC grant “Verification of Web-based Systems (VOWS), ” acquired via the first grant scheme (£ 100 933)
- 2015–2017 Project partner for DFG grant “Security Type Systems and Deduction, Phase III” (PI Tobias Nipkow, € 200 000)

## Organization of Scientific Events

- 2017–2020 Member of steering committee for Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX)
- 2015 Co-organizer of the 2nd South of England Regional Programming Language Seminar (SREPLS) London, United Kingdom (100 participants)

## Selected Program Committees

- 2019 Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM)
- 2018 Interactive Theorem Proving (ITP)
- 2017 Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM)
- 2016 Joint Conference on Automated Reasoning (IJCAR)
- 2016 Interactive Theorem Proving (ITP)
- 2016 Certified Programs and Proofs (CPP)
- 2015 Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX)

## Reviewing

I reviewed one FWF (Austrian Science Fund) proposal. I also reviewed paper submissions for several journals (including Fuzzy Sets and Systems, Journal of Automated Reasoning and Theoretical Computer Science) and conferences (including ESOP, FOSSACS, IJCAR and LICS).

## Invited Workshop Talks

- Jul. 2017 Working Formal Methods Symposium (FROM), Bucharest, Romania
- Nov. 2016 Proof Assistants and Related Tools (PART), Copenhagen, Denmark
- Jul. 2016 Days of Computer Science Workshop (DACs), Bucharest, Romania

## Invited Seminar Talks

- May 2017 Royal Holloway Computer Science Seminar, London, UK
- May 2016 The Sussex Foundations of Software Systems Seminar, Brighton, UK
- Mar. 2016 The Queen Mary Theory Group Research Seminar, London, UK

## Conference Tutorials

- 2018 “Programming and Reasoning with Infinite Data in Isabelle/HOL” (with M. Fleury and A. Lochbihler). The 45th ACM SIGPLAN Symposium on Principles of Programming Languages (POPL)
- 2017 “Certified Functional (Co)programming with Isabelle/HOL” (with J. Blanchette, A. Lochbihler and D. Traytel). The 22nd ACM SIGPLAN International Conference on Functional Programming (ICFP) and The 26th Conference on Automated Deduction (CADE)
- 2015 “Formal Representation of Inductive and Coinductive Datatypes.” The 24th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX)

## Participation at Invitation-Only Seminars

- 2017 Shonan Meeting of Japan’s National Institute of Informatics on “Enhanced Coinduction”
- 2017 Dagstuhl Seminar on “Deduction Beyond First-Order Logic”

## Prizes and Awards

- 2012 Best Paper Award for 2012/2013, offered by the DFG priority program Reliably Secure Software Systems (RS3) for my paper “Proving Concurrent Noninterference” (selected from the one-year publication outputs of 12 funded projects and 6 associated projects)
- 2007 Mavis Memorial Fund Scholarship Award, offered by the University of Illinois at Urbana-Champaign College of Engineering
- 2004 Saburo Muroga Fellowship for outstanding graduate students, offered by the University of Illinois at Urbana-Champaign Department of Computer Science

## Research Supervision

- from 2016 Line manager of Ping Hou (postdoctoral researcher)
- 2016 External Ph.D. examiner of J. A. Pohjola, Uppsala University, Sweden
- from 2015 Ph.D. supervisor of L. Gheri, Middlesex University, London
- 2012–2014 Supervisor of two M.Sc. students (D. Traytel and A. Schropp) and one M.Sc. intern (S. Kanav) Technische Universität München, Germany