

Curriculum Vitæ

Andrei-Valentin Sipos

1 Personal Data

- Born: March 25, 1991, Bucharest, Romania.
- Citizenship, nationality: Romanian.
- Email address: `sipos@mathematik.tu-darmstadt.de`
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2 Scientific Interests

Proof theory, proof mining, model theory.

3 Employment

- since October 2017: Research Assistant, Department of Mathematics, Technische Universität Darmstadt.
- since October 2017: Scientific Researcher at the “Simion Stoilow” Institute of Mathematics of the Romanian Academy.
- November 2014 - September 2017: Research Assistant at the “Simion Stoilow” Institute of Mathematics of the Romanian Academy.

4 Education

- 2017 – Ph.D. in Mathematics, University of Bucharest, Romania.
Advisor: Laurențiu Leuştean.
Thesis title: *Contributions to proof mining.*
- 2014 – M.Sc. in Mathematics (Algebra and Number Theory), University of Bucharest, Romania.

- 2012 – B.Sc. in Computer Science, University of Bucharest, Romania.
- 2012 – B.Sc. in Mathematics, University of Bucharest, Romania.

5 Research Grants

- January 2012 - May 2013: Member of the Grant *Universal Logic Methods for Computer Science*, CNCS Romania, PN-II-ID-PCE-2011-3-0439.
- January 2015 - October 2016: Member of the Grant *Proof mining in metric analysis, geometric group theory and ergodic theory*, CNCS Romania, PN-II-ID-PCE-2011-3-0383.
- October 2015 - September 2017: Member of the Grant *Modelling uncertainty in non-classical logics*, CNCS Romania, PN-II-RU-TE-2014-4-0730.
- since April 2018: Member of DFG Project KO 1737/6-1 – *Proof Mining in Convex Optimization and Related Areas*.

6 Professional Activities

- Coordinator of the Seminar on Logic in Computer Science (2013 - 2014), University of Bucharest, Romania.
- Coordinator of the UB/IMAR Logic Seminar (2014 -), University of Bucharest and the “Simion Stoilow” Institute of Mathematics of the Romanian Academy, Bucharest, Romania.

7 Administrative Duties

- Student Member of the Council of the Faculty of Mathematics and Computer Science (2011 - 2012), University of Bucharest, Romania.
- Student Member of the Council of the Doctoral School of Mathematics (2015 - 2017), University of Bucharest, Romania.

8 Participation in Schools, Workshops, Conferences

Contributed talks

- Eighth Congress of Romanian Mathematicians (Iași, Romania, June 2015):
Codensity and Stone spaces.
- Logic Colloquium 2015 (Helsinki, Finland, August 2015):
Codensity and Stone spaces.

- PhDs in Logic VIII (Darmstadt, Germany, May 2016):
Proof mining and families of mappings.
- Logic Colloquium 2016 (Leeds, United Kingdom, August 2016):
Proof mining and positive-bounded logic.
- DVMLG Colloquium Logicum 2016 (Hamburg, Germany, September 2016):
Proof mining and positive-bounded logic.
- PhDs in Logic IX (Bochum, Germany, May 2017):
Proof mining in convex optimization.
- FROM 2017 (Bucharest, Romania, July 2017):
Representable functions in Moisil logic.
- Logic Colloquium 2017 (Stockholm, Sweden, August 2017):
Proof mining in convex optimization.
- BuCal 2017 (Bucharest, Romania, September 2017):
Playing with the logic of Moisil: nuances, games and representations.

Invitations to international workshops

- MFO Workshop no. 1745 (on Proof Theory and Constructive Mathematics) – Oberwolfach, Germany, November 2017.
Talk given: *Proof mining and the proximal point algorithm.*

Other events

- National School on Algebra, 20th (Mangalia, Romania, September 2012) and 21st (Bucharest, Romania, September 2013) editions.
- Second Fall School on Quantum Geometry (Erlangen, Germany, October 2013).
- Scandinavian Logic Society Summer School in Logic 2015 (Helsinki, Finland, July 2015).

9 Scientific visits

- June 22 - July 6, 2016: Universidad de Sevilla, Spain (invited by Genaro López-Acedo)
Invited talk: *Effective results on algorithms using strict pseudocontractions.*
- November 7-25, 2016: Technische Universität Darmstadt, Germany (invited by Ulrich Kohlenbach)
Invited talk: *Proof mining in L^p spaces.*

10 Teaching

Assistant for Undergraduate Courses

- *Mathematical and Computational Logic*, 1st year tutorial, University of Bucharest, Romania, Winter Term 2013/2014, 2014/2015, 2015/2016, 2016/2017.
- *Logic Programming*, 2nd year lab and tutorial, University of Bucharest, Romania, Summer Term 2013/2014, 2014/2015, 2015/2016, 2016/2017.
- *Declarative Programming*, 3rd year lab, University of Bucharest, Romania, Winter Term 2014/2015.
- *Introduction to Mathematical Logic*, 3rd year exercise session, TU Darmstadt, Germany, Winter Term 2017/2018.

Assistant for Graduate Courses

- *Model Theory*, 1st Master's year tutorial, University of Bucharest, Romania, Summer Term 2016/2017.
- *Applied Proof Theory*, 1st Master's year exercise session, TU Darmstadt, Germany, Summer Term 2017/2018.