

Francesco Antonio Genco

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Citizenship: Italian

Gender: male

Education

The PhD thesis has been submitted

The defense should be around March 2019

PhD Student (2014 – present)

TU Wien (Vienna, Austria), Doctoral College Logical Methods in Computer Science, Institute of Logic and Computation, Theory and Logic Group (E192-05) Supervisor: Agata Ciabattoni

Master of Arts in Philosophy (2010 – 2013)

University of Bologna, Department of Philosophy and Communication Sciences
Final degree mark: cum laude
Thesis supervisor: Giovanna Corsi

Bachelor of Arts in Philosophy (2007 – 2010)

University of Bologna, Department of Philosophy and Communication Sciences
Final degree mark: cum laude
Thesis supervisor: Maurizio Matteuzzi

Publications

- [P.6] *Classical proofs as parallel programs*. (Federico Aschieri, Agata Ciabattoni and Francesco A. Genco). *Proceedings Ninth International Symposium on Games, Automata, Logics and Formal Verification, GandALF 2018, Saarbrücken, Germany, 26-28 September 2018*. pp. 43–57. 2018.

- [P.5] ***Hypersequents and systems of rules: Embeddings and applications.*** (Agata Ciabattoni and Francesco A. Genco). *ACM Trans. Comput. Log. (TOCL)*, vol. 19, num. 2. 2018.
- [P.4] ***Gödel logic: From natural deduction to parallel computation*** (Federico Aschieri, Agata Ciabattoni and Francesco A. Genco). *32nd Annual ACM/IEEE Symposium on Logic in Computer Science, LICS 2017, Reykjavik, Iceland, June 20-23, 2017*. pp. 1–12. IEEE Computer Society. 2017.
- [P.3] ***Understanding prescriptive texts: rules and logic elaborated by Mīmāṃsā school*** (Agata Ciabattoni, Elisa Freschi, Francesco A. Genco and Björn Lellmann). *Journal of World Philosophies*, vol. 2, num. 1, pp. 47–66. 2017.
- [P.2] ***Embedding formalisms: hypersequents and two-level systems of rules*** (Agata Ciabattoni and Francesco A. Genco). *Advances in Modal Logic*, vol. 11, pp. 197–216. 2016.
- [P.1] ***Mīmāṃsā deontic logic: proof theory and applications*** (Agata Ciabattoni, Elisa Freschi, Francesco A. Genco and Björn Lellmann). In Hans De Nivelle, editor, *Automated Reasoning with Analytic Tableaux and Related Methods, 24th International Conference, TABLEAUX 2015, Wrocław, Poland, September 21–24, 2015. Proceedings*, volume 9323 of *Lecture notes in Computer Science*, pp. 323–338. Springer, 2015.

Selected talks

- [T.13] **Intermediate logic proofs as concurrent programs.** Given at the workshop *Syntax meets Semantics 2019 (SYSMICS 2019)*, 21 January 2019, University of Amsterdam, Amsterdam, Netherlands.
- [T.12] **Intermediate logic proofs as concurrent programs.** Given at the workshop *The Fine Structure of Formal Proof Systems and their Computational Interpretations* (3rd FISP Meeting), 7 December 2018, TU Wien, Vienna, Austria.
- [T.11] ***Classical proofs as parallel programs.*** Given at the *Ninth International Symposium on Games, Automata, Logics and Formal Verification* (GandALF 2018), 26 September 2018, Saarbrücken, Germany.
- [T.10] **Typing parallelism and communication through hypersequents.** Given for the *Groupe de travail «Réalizabilité et théorie des types»*, 6 December 2017, IRIF laboratory, *Université Paris Diderot*, Paris, France.
- [T.9] **From hypersequents to parallel computation via systems of rules.** Given at the *Parsifal Seminar*, 29 November 2017, Parsifal group, Laboratoire d’Informatique (LIX), Inria Saclay - Île-de-France, France.

- [T.8] **Gödel logic: From natural deduction to parallel computation.** Given at the conference *LICS 2017*, 21 June 2017, Reykjavik, Iceland.
- [T.7] **From hypersequents to parallel computation.** Given at the Melbourne Logic Seminar, 24 February 2017, University of Melbourne, Australia.
- [T.6] **From hypersequents to parallel computation.** Given at the Logic Seminar of the ANU College of Engineering and Computer Science, 8 February 2017, Australian National University, Canberra, Australia.
- [T.5] **Hypersequents and systems of rules: An embedding.** Given at the meeting *Syntax Meets Semantics 2016*, 7 September 2016, University of Barcelona, Spain.
- [T.4] **Embedding formalisms: Hypersequents and two-level systems of rules.** Given at the conference *Advances in Modal Logic*, 2 September 2016, Budapest, Hungary.
- [T.3] **Hypersequents and systems of rules: an embedding.** Given at the *3rd Postgraduate Conference SILFS*, 30 May 2016, University of Urbino, Italy.
- [T.2] ***Mīmāṃsā deontic logic.*** Given at the conference *Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX 2015)*, 22 September 2015, University of Wrocław, Poland.
- [T.1] ***Mīmāṃsā deontic logic: proof theory and applications.*** Given at the affiliated meeting *Proof Theory of Modal and Non-Classical Logics* of the conference *15th Congress of Logic, Methodology and Philosophy of Science (CLMPS 2015)*. 7 August 2015, University of Helsinki, Finland.

Research visits

- **PPS - IRIF lab, Paris Diderot University (Paris 7)**
 Collaboration with Michel Parigot (October–December 2017)
 The λ -calculus and computational interpretations of classical logic
- **Australian National University (ANU) Canberra**
 Collaboration with Rajeev Goré (November 2016–February 2017)
 Proof-theory for non-classical logics and formalization in Coq

Teaching and mentoring

- **Course tutor.** *Logic and Computability.* Winter semester 2018, TU Wien

- I helped with the supervision of the **Master's thesis** of Sanja Pavlović, *Proof theory for modal logics: Embedding between hypersequent calculi and systems of rules*

Event Organisation

- **Second SYSMICS Meeting**
Substructural logics: semantics, proof theory, and applications.
Vienna, Austria. February 26–28, 2018.
- **ALCOP VII**
Algebra and Coalgebra meet Proof Theory.
Vienna, Austria. April 7–9, 2016.

Reviewing

- **International Workshop on Classical Logic and Computation (CL&C)**
- **Formal Structures for Computation and Deduction (FSCD)**

Scholarships

- **Logic Mentoring Workshop Scholarship for LICS 2017**

Work Experience

- **CINECA (November 2011 – February 2012)**
Internship at the Information and knowledge management department of CINECA computing centre.

Language skills

- **Italian (native)**
- **English (expert)**
- **French (medium)**
- **German (basic)**
- **Spanish (basic)**