

MARIANNA GIRLANDO

Curriculum Vitae et Studiorum

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CURRENT POSITION

since March 2021 **Postdoctoral researcher** (*Research Fellow in Proof Theory*), School of Computer Science, University of Birmingham.
Under the supervision of Anupam Das, and within the UKRI project *Structure vs Invariants in Proofs* <https://gtr.ukri.org/projects?ref=MR%2FS035540%2F1>

PROFESSIONAL EXPERIENCE

Nov. 2019 – February 2021 **Postdoctoral researcher**, équipe Partout, INRIA Saclay, Île-de-France & Laboratoire LIX, École Polytechnique. Under the supervision of Lutz Straßburger. Position funded by an INRIA research grant.

January 2020 – Juin 2020 **Contrat de vacation** (teaching position), Université Paris 1 Panthéon-Sorbonne, UFR de Philosophie.

October 2018 – August 2019 **ATER** part-time (teaching position), Département d'Informatique et Interactions, Aix-Marseille Université.

Nov. 2018 – August 2019 **Research position**, part-time, *Faculty of Arts*, Helsinki University (Finland), within the project *Modalities and conditionals : systematic and historical studies* (Project no. 1308664, Academy of Finland).

October 2017 – September 2018 **PhD student with teaching duties**, Département d'Informatique et Interactions, Aix-Marseille Université.

FORMATION

October 2015 – February 2019 **PhD in Computer Science**, Aix-Marseille Université, Laboratoire LIS, équipe LIRICA. under the supervision of Nicola Olivetti.
PhD in Philosophy, cotutelle with the Faculty of Arts, Helsinki University, Finland. Under the supervision of Sara Negri.
Title of the PhD thesis : *On the proof theory of conditional logics*

- The thesis discussion took place in Marseille, on 8 February 2019
The thesis won the *Prix de Thèse 2020 d'Aix-Marseille Université*
- September 2012 – April 2015 **Master degree in Logic, philosophy and history of sciences**, Università degli Studi di Firenze (Italy).
Master thesis : *On the proof theory of intuitionistic logic*. Under the supervision of Pierluigi Minari. The thesis discussion took place in Florence, on 23 April 2015, with grade 110/110 *summa cum laude*.
- October 2009 – September 2012 **Bachelor degree in Philosophy**, Università degli studi di Pavia (Italy).
Bachelor thesis : *Agente individuale, agente logico e ragionamento non monotono (Individual agent, logical agent and non-monotonic reasoning)*. Under the supervision of Pierluigi Minari. The discussion took place in Pavia, on 20 September 2012, with grade 110/110 *summa cum laude*.
- July 2009 **High-school diploma in classical studies (Maturità classica)**
Liceo Classico Gian Domenico Romagnosi, Parma (Italy).

TITLES, GRANTS PRIZES

- March 2021 **Qualification Section 72** : qualified as *Maître de Conférences* in the CNU Section *Épistémologie et histoire des sciences et des techniques*.
- March 2021 **Qualification Section 17** : qualified as *Maître de Conférences* in the CNU Section *Philosophie*.
- March 2020 **Qualification Section 27** : qualified as *Maître de Conférences* in the CNU Section *Informatique*.
- July 2020 **Prix de Thèse 2020**, Aix-Marseille Université
https://www.univ-amu.fr/system/files/2020-12/DIRCOM_AMU-PRIX_DE_THESE_2020.pdf
- Nov. 2019 – February 2021 **Postdoctoral research grant INRIA**, research grant that funded the postdoctoral position at INRIA Saclay.
- October 2015 – September 2018 **PhD thesis grant LabEx Archimède**, research grant that funded 3 years of PhD studies at Aix-Marseille Université.
- October 2014 – March 2015 **Exchange student at the Helsinki University**, thanks to an Erasmus grant.

TEACHING

Academic year 2019/2020 :

- **Logique 2** (26 heures CM), course for second year Bachelor students in Philosophy. Université Paris 1 - Panthéon-Sorbonne, January–June 2020.

Academic year 2018/2019 :

- **Programmation 1** (18 hours TD + 24 hours TP), exercise sessions for first year Bachelor students in Computer Science. Teacher in charge of the course : Julien Lefevre. Aix-Marseille Université, January–June 2019.
- **Introduction à l’informatique** (44 hours TD), exercise sessions for first year Bachelor students in Computer Science. Teachers in charge of the course : Benjamin Monmenge and Antonio Enrico Porreca. Aix-Marseille Université, September–December 2018.
- **Des jeux, des mathématiques et quelques danses** (12 hours), Stage Hyppocampe IREM. Scientific stage for high-school students organised by IREM, *Institut de Recherche pour l’Enseignement des Mathématiques*. Teacher in charge of the stage : Olivier Ramaré. Aix-Marseille Université, 3-5 December 2018.
<https://www.touschercheurs.fr/evenement/stage-hippocampe-math-pour-le-lycee-val-de-durance-pertuis/>.

Academic year 2017/2018 :

- **Projet Algorithmique** (12 hours TD + 44 hours TP), exercise sessions for second year Bachelor students in Computer Science. Teacher in charge of the course : Laurent Tichit. Aix-Marseille Université, January–June 2018.
- **Reconnaissance de formes** (12 heures). Stage Hyppocampe IREM. Stage Hyppocampe IREM. Scientific stage for high-school students organised by IREM, *Institut de Recherche pour l’Enseignement des Mathématiques*. Teacher in charge of the stage : Jean Sequeira. Aix-Marseille Université, 13-15 December 2017.
<https://hippocampe.irem.univ-mrs.fr/Stages/2017-12-13>.

PUBLICATIONS

Books

- Marianna Girlando. *On the proof theory of conditional logics*. PhD thesis. University of Helsinki, Helsinki (2019).

Articles published in journals with selection committee

- Marianna Girlando, Sara Negri, Nicola Olivetti. Uniform labelled calculi for preferential conditional logics based on neighbourhood semantics. Accepted pour publication dans JLC Special Issue on External and Internal Calculi for Non-Classical Logics.

- Marianna Girlando, Sara Negri, Nicola Olivetti, Vincent Risch. Conditional beliefs : from neighbourhood semantics to sequent calculus, In : *Review of Symbolic Logic*, Cambridge University Press, pages 1-44 (2018).

Contributions published in the proceedings of conferences with selection committee

- Marianna Girlando, Lutz Straßburger. MOIN : A Nested Sequent Theorem Prover for Intuitionistic Modal Logics (System Description). In : N. Peltier, V. Sofronie - Stokkermans (eds.), *Automated reasoning*, 10th International Joint Conference, IJCAR 2020, Paris, France, July 1-4, 2020, Proceedings, Part II. Springer, pp 398-407 (2020).
- Marianna Girlando, Björn Lellmann, Nicola Olivetti, Gian Luca Pozzato, Stefano Pesce. Theorem proving for Lewis Logics of Counterfactual Reasoning. In : F. Calimeri, S. Perri, E. Zumpano (eds.), *Proceedings of CILC 2020*, Proceedings of the 35th Italian Conference on Computational Logic - CILC 2020, Rende, Italy, October 13-15, 2020. CEUR Workshop Proceedings, pp 199-213 (2020).
- Marianna Girlando, Sara Negri, Giorgio Sbardolini. Uniform labelled calculi for conditional and counterfactual logics. In : R. Iemhoff, M. Moortgat, R. de Queiroz (eds.), *Logic, Language, Information, and Computation*, 26th International Workshop, WoLLIC 2019. Springer, Berlin, Heidelberg, pp 248-263 (2019).
- Marianna Girlando, Björn Lellman, Nicola Olivetti. Nested sequents for the logic of conditional belief. In : F. Calimeri, N. Leone, M. Manna (eds.), *Logics in Artificial Intelligence*, JELIA 2019. Springer, Cham. pp 709-725 (2019).
- Marianna Girlando, Sara Negri, Nicola Olivetti. Counterfactual logics : labelled and internal calculi, two faces of the same coin?. In : G. Bezhanishvili, G. D’Agostino, G. Metcalfe, T. Studer (eds.), *College Publications, AIML 2018*, vol. 12, pages 291-310 (2018).
- Marianna Girlando, Björn Lellman, Nicola Olivetti, Gian Luca Pozzato, Quentin Vitalis. VINTE : an implementation of internal calculi for Lewis’ logics of counterfactual reasoning. In : R. Schmidt, C. Nalon (eds.), *Automated Reasoning with Analytic Tableaux and Related Methods*, TABLEAUX 2017, Lecture Notes in Computer Science, vol. 10501, Springer, pp 149-159 (2017).
- Marianna Girlando, Björn Lellman, Nicola Olivetti, Gian Luca Pozzato. Hypersequent calculi for Lewis’ conditional logics with uniformity and reflexivity. In : R. Schmidt, C. Nalon (eds.), *Automated Reasoning with Analytic Tableaux and Related Methods*, TABLEAUX 2017, Lecture Notes in Computer Science, vol. 10501, Springer, pp 131-148 (2017).
- Marianna Girlando, Björn Lellman, Nicola Olivetti, Gian Luca Pozzato. Standard sequent calculi for Lewis’ logics of counterfactuals. In : L. Michael, A. Kakas (eds.), *Logics in Artificial Intelligence*. JELIA 2016. Lecture Notes in Computer Science, vol. 10021, Springer, pp 272-287 (2016).
- Marianna Girlando, Sara Negri, Nicola Olivetti, Vincent Risch. The logic of conditional belief : neighbourhood semantics and sequent calculus. In : L. Beklemishev, S. Demri, A. Mâté (eds.), *College Publications, AIML 2016*, vol. 11, pp 322-341 (2016).

Other publications

- Marianna Girlando. La New Logic : le strategie cognitive dell'agente individuale. (*The New Logic : cognitive strategies of the individual agent*). In : Introduzione alla New Logic, L. Magnani editor, Il Melangolo, Genova (2013).
[participation to a edited book without selection committee]

CONFERENCES AND WORKSHOPS

Participation and presentation of contribution :

- **Sixth TICAMORE MEETING**, Translating and Discovering Calculi for Modal and Related Logics, 5-6 October 2020, Marseille, France.
- **WiL 2020**, 4th Women in Logic Workshop, workshop associated to the Paris Nord Summer of LoVe 2020, 30 June 2020, Paris, France.
- **IJCAR 2020**, International Joint Conference on Automated Reasoning, 29 June - 6 July 2020, Paris, France.
- **WoLLIC 2019**, 26th Workshop on Logic, Language, Information and Computation, 2-5 July 2019, Utrecht, Holland.
- **Jelia 2019** - European Conference on Logics in Artificial Intelligence, 7-11 May 2019, Rende, Italy.
- **Proof theoretic semantics**, Assessment and Future Perspectives, Third Tübingen Conference on Proof-Theoretic Semantics, 27-30 March 2019, Tübingen, Germany.
- **AIML 2018** - 12th International Conference on Advances in Modal Logic, 27 - 31 August 2018, Bern, Switzerland.
- Workshops **EICNCL 2018** (*External and Internal Calculi for Non-Classical Logics*) et **ARQNL 2018** (*Automated Reasoning in Quantified Non-Classical Logics*), workshops associated to the Federated Logic Conference, Oxford, 18- 19 July 2018, UK.
- **Second SYSMICS Workshop**, Substructural logics : semantics, proof theory, and applications, 26-28 February 2018, Vienna, Austria.
- **First TICAMORE meeting**, Translating and Discovering Calculi for Modal and Related Logics, 15-17 November 2017, Marseille, France (présentation d'une contribution).
- **TABLEAUX 2017** - 26th International Conference on Automated Tableaux and Related Methods, 26-29 September 2017, Brasília, Brasil.
- **SILFS 2017** - Triennial International Conference of the Italian Society for Logic and Philosophy of Science, 20-13 June 2017, Bologna, Italy.
- **Kick-off TICAMORE meeting**, Translating and Discovering Calculi for Modal and Related Logics, 13-19 March 2017, Vienna, Austria.

- **AIML 2016** - 11th International Conference on Advances in Modal Logic, 30 August - 2 September 2016, Budapest, Hungary.

Participation :

- **Syntax meets semantics**, SYSYMICS 2019 conférence, 21-25 January 2019, Amsterdam, Holland.
- **Modalities, Conditionals and Values** - A Symposium on Philosophical Logic in Celebration of the Centenary of Georg Henrik von Wright, 23- 25 May 2016, Helsinki, Finland.
- **General Proof Theory** - Celebrating 50 Years of Dag Prawitz’s “Natural Deduction”, Proof theoretic semantics, 27-29 November 2015, Tübingen, Germany.
- **CLMPS 2015** - 15th Congress of Logic, Methodology and Philosophy of Science, 3-8 août 2015, Helsinki, Finland.
- **XXV Incontro dell’Associazione Italiana di Logica e sue Applicazioni (XXV meeting AILA)**, 14-17 April 2014, Scuola Normale Superiore, Pisa, Italy.
- **MBR 2012** - Model-Based Reasoning in Science and Technology, 21-23 July 2012, Sestri Levante, Italy.

SCHOOLS

- **TACL 2019 Summer School**, école associée à la conférence TACL, *Topology, Algebra, and Categories in Logic*, 10 - 15 June 2019, Île de Porquerolles, France.
- **Scuola Estiva di Logica** (École de logique), organisée par AILA (*Associazione Italiana di Logica e sue Applicazioni*) et SILFS (*Società Italiana di Logica e Filosofia della Scienza*), 23-29 August 2015, Gargnano, Italy.

SEMINARS

- *On the proof theory of conditional logics*, *Theoretical Computer Science seminar* University of Birmingham, online seminar (12 Mars 2021).
- *Automated tools for intuitionistic modal logics*, *Mathematical Foundations Seminar* University of Bath, online seminar (26 January 2021).
- *Nested sequents for the logic of conditional belief*, *Institute of Logic, Language and Computation*, University of Amsterdam, Holland (11 Mars 2020).
- *Nested calculi for the logic of conditional belief*, équipe Partout, INRIA Saclay, Paris, France (22 Janvier 2020).
- *Théorie de la démonstration pour logiques conditionnelles*, équipe LIRICA, Aix-Marseille Université, Marseille, France (06 February 2019).

- *A proof theoretical approach to conditionals*, Helsinki Univeristy, Helsinki, Finlande (1 December 2017).
- *Logiques conditionnelles : de la sémantique aux systèmes de preuve*, équipe LIRICA, Aix-Marseille Université, Marseille, France (12 June 2017).
- *Logiche condizionali : dalla semantica ai sistemi di dimostrazione*, Università degli Studi di Firenze, Firenze, Italy (19 March 2017).
- *The logic of conditional belief : neighbourhood semantics and sequent calculus*; Technische Universität Wien, Vienna, Austria (07 December 2017).

OTHER SKILLS AND INTERESTS

Languages

ITALIAN	Mothertongue
ANGLAIS	Certification : Pearson PTE Academic Overall score : 89/90 (CEFR level : C2) Listening : 90/90 Reading : 85/90 Writing : 85/90 Speaking : 90/90 Test date : 16 février 2021
FRANÇAIS	Écrit : Courant Lu : Courant Parlé : Courant

Computer Skills

Operating systems	LINUX, ubuntu
Programming languages	C, Java, Prolog, HTML, \LaTeX

Other Interests

Canoe-kayak	Juggling
Miniature painting	Reading