

# Eugenio Orlandelli

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## Education

2014 Ph.D., Science Cognition and Technology, Univ. Bologna,

Title: ‘Proof theory of quantified modal logics’,

Supervisors: Giovanna Corsi and Sara Negri.

2010 M.Sc., Philosophy, Univ. Bologna,

2007 B.Sc., Philosophy, Univ. Bologna,

## Accademic positions

2020–xxxx Assistant professor (RTD-b), Dept. of Philosophy and Comm. Studies, Univ. Bologna.

2020 Post Doc in Logica, Department of Philosophy, Univ. of Helsinki

2014–2019 Post Doc in logic, Dept. of Philosophy and Comm. Studies, Univ. Bologna

## Visiting fellowships

Nov 2018 Visiting fellow, Dept. Philosophy, Univ. Helsinki.

March 2018 Visiting fellow, Dept. Philosophy, Univ. Helsinki.

Nov 2016–Jan 2017 Visiting fellow, Munich Center for Mathematical Philosophy, LMU Munich.

Feb 2016 Visiting fellow, Dept. Philosophy, Univ. Helsinki.

Apr–Jun 2015 Visiting fellow, Munich Center for Mathematical Philosophy, LMU Munich.

Oct–Dec 2014 Visiting student, Dept. Philosophy, Univ. Helsinki.

## Supervisions

- 2020 Gioia Susanna (Bachelor's degree) 'Un calcolo di sequenti etichettato per la logica PrC'. With G. Gherardi.
- 2020 Leonardo Mazzanti (Bachelor's degree) 'Implicazione e connessività'. With G. Gherardi.
- 2019 Melissa Antonelli (M.Sc.) 'The syllogistic revival' (M-FIL/02). With G. Corsi and J. von Plato.
- 2018 Valentina Spagnoletti (Bachelor's degree) 'Multirelational semantics and labelled sequent calculus for non normal modal logics' (M-FIL/02). With G. Gherardi.
- 2015 Tiziano Dalmonte (M.Sc.) 'Incompletezza e incompletabilità in logica modale predicativa' (M-FIL/02). With G. Corsi.
- 2015 Melissa Antonelli (Bachelor's degree) 'I sillogismi di maestro Giandino da Carmignano' (M-FIL/02). With G. Corsi.

## Publications

### Books

- [1] **Orlandelli, E.** & Corsi, G. (2019). *Corso di Logica Modale Proposizionale*. Carocci Editore, Roma.
- [2] **Orlandelli, E.** (2019). *Logica Modale Quantificata e Designatori Rigidi*. Archetipo Libri, Bologna.
- [3] **Orlandelli, E.** (2019). *Labelled Sequent Calculi for Indexed Modal Logics*. CLUEB, Bologna.

### Papers in Journals

- [1] G. Corsi & **Orlandelli, E.** (2021). 'FOIL with constant domains revisited'. *Filosofiska Notiser*, 8(1), 87–102. [http://www.filosofiskanotiser.com/Corsi\\_Orlandelli.pdf](http://www.filosofiskanotiser.com/Corsi_Orlandelli.pdf)
- [2] **Orlandelli, E.** (forthcoming). 'Labelled calculi for quantified modal logics with definite descriptions'. *Journal of Logic and Computation*. <https://arxiv.org/pdf/2002.04855.pdf>
- [3] **Orlandelli, E.** (forthcoming). 'Sequent calculi and interpolation for non-normal modal and deontic logics'. *Logic and Logical Philosophy*. <https://arxiv.org/pdf/1903.11342.pdf>
- [4] Maffezioli, P. & **Orlandelli, E.** (2019). 'Full cut elimination and interpolation for intuitionistic logic with existence predicate'. *Bulletin of the Section of Logic*, 48(2), 137–158. DOI: [10.18778/0138-0680.48.2.04](https://doi.org/10.18778/0138-0680.48.2.04)
- [5] Gherardi, G., Maffezioli, P. & **Orlandelli, E.** (2019). 'Interpolation in extensions of first-order logic'. *Studia Logica*. DOI: [10.1007/s11225-019-09867-0](https://doi.org/10.1007/s11225-019-09867-0)

- [6] Negri S. & **Orlandelli, E.** (2019). ‘Proof theory for quantified monotone modal logics’. *Logic Journal of the IGPL*, 27(4), 478–506. DOI: [10.1093/jigpal/jzz015](https://doi.org/10.1093/jigpal/jzz015)
- [7] Ferrari, F. & **Orlandelli, E.** (2019). ‘Proof-theoretic pluralism’. *Synthese*. DOI: [10.1007/s11229-019-02217-6](https://doi.org/10.1007/s11229-019-02217-6)
- [8] Gratzl, N. & **Orlandelli, E.** (2019). ‘Logicality, double-line rules, and modalities’. *Studia Logica*, 107(1), 85–107. DOI: [10.1007/s11225-017-9778-0](https://doi.org/10.1007/s11225-017-9778-0)
- [9] Gherardi, G., Maffezioli, P. & **Orlandelli, E.** (2017). ‘Interpolation theorem for first-order theories’ (abstract, LC 2016). *Bulletin of Symbolic logic*, 23(2), 243–244. DOI: [10.1017/bsl.2017.16](https://doi.org/10.1017/bsl.2017.16)
- [10] Corsi, G. & **Orlandelli, E.** (2013). ‘Free quantified epistemic logics’. *Studia Logica*, 101(6), 1159–1183. DOI: [10.1007/s11225-013-9528-x](https://doi.org/10.1007/s11225-013-9528-x)

### Papers in conference proceedings

- [1] Gherardi, G., Maffezioli, P. & **Orlandelli, E.** (2019). ‘Interpolation in singular geometric theories’. In T. Piecha, & P. Schoreder-Heister (eds.), *Proof-theoretic Semantics: Assessment and Future Perspectives* (pp. 787–796). University of Tübingen, Tübingen. DOI: [10.15496/publikation-35319](https://doi.org/10.15496/publikation-35319)
- [2] **Orlandelli, E.** & Corsi, G. (2018). ‘Decidable term-modal logics’. In S. Argente & F. Belardinelli (eds.), *Multi-Agent Systems and Agreement Technologies. EUMAS 2017, AT 2017* (pp. 147–162). Springer, Cham. DOI: [10.1007/978-3-030-01713-2\\_11](https://doi.org/10.1007/978-3-030-01713-2_11)
- [3] **Orlandelli, E.**, & Corsi, G. (2018). ‘Labelled calculi for quantified modal logics with non-rigid and non-denoting terms’. In J. Otten & C. Benz Müller (eds.), *Automated Reasoning in Quantified Non-Classical Logic (ARQNL 2018)* (pp. 64–78). CEUR-WS, Aachen. <http://ceur-ws.org/Vol-2095/paper4.pdf>
- [4] Gratzl, N. & **Orlandelli, E.** (2017). ‘Double-line harmony in a sequent setting’. In P. Arazim & T. Laviscka (eds.), *Logica yearbook 2016* (pp. 157–172). College Publications, London.
- [5] Gratzl, N. & **Orlandelli, E.** (2016). ‘Logicality, double-line rules, and harmony’. In T. Piecha, & P. Schoreder-Heister (eds.), *General Proof Theory* (pp. 81–92). University of Tübingen, Tübingen. DOI: [10.15496/publikation-10394](https://doi.org/10.15496/publikation-10394)
- [6] Corsi, G. & **Orlandelli, E.** (2016). ‘Sequent calculi for indexed epistemic logics’. In J. Otten & C. Benz Müller (eds.), *Automated Reasoning in Quantified Non-Classical Logic (ARQNL 2016)* (pp. 21–35). CEUR-WS, Aachen. [http://ceur-ws.org/Vol-1770/ARQNL2016\\_paper2.pdf](http://ceur-ws.org/Vol-1770/ARQNL2016_paper2.pdf)
- [7] **Orlandelli, E.** (2014). ‘Proof analysis in deontic logics’. In F. Cariani, D. Grossi, J. Meheus J. & X. Parent (eds.), *Deontic Logic and Normative Systems, DEON 2014* (pp. 139–148). Springer, Cham. DOI: [10.1007/978-3-319-08615-6\\_11](https://doi.org/10.1007/978-3-319-08615-6_11)

### Ph.D. Thesis

- [1] **Orlandelli, E.** (2014). *Proof Theory of Quantified Modal Logics*. Ph.D. Thesis. University of Bologna. DOI: [10.6092/unibo/amsdottorato/6658](https://doi.org/10.6092/unibo/amsdottorato/6658)

## Conferences and workshops

### Invited Presentations

- [1] December 2018 – ‘Interpolazione in estensioni della logica del primo ordine’ – Seminario FiloLOGICA. Univ. Bologna.
- [2] November 2018 – ‘Interpolation in extensions of first-order logic’ – Research Seminar in Logic and Philosophy of Mathematics. University of Helsinki.
- [3] June 2018 – ‘Proof theory for quantified monotone modal logics’ – Workshop ‘Proof and Computation’. Hausdorff Research Institute for Mathematics, Univ. Bonn.
- [4] May 2018 – ‘Pluralismo inferenzialista e logiche rilevanti’ – Seminario di Dipartimento (SeRiC). Univ. Bologna.
- [5] March 2018 – ‘Labelled calculi for term-modal logics: non-rigid designators and decidable fragments’ – Research Seminar in Logic and Philosophy of Mathematics. University of Helsinki.
- [6] June 2017 – ‘Inferential justifications and relevance’ – Spring Lectures in Logic and Metaphysics. Scuola Normale Superiore, Pisa.
- [7] April 2017 – ‘Inferential justifications and relevance’ – 1<sup>st</sup> UCONN-MCMP workshop. University of UCONN, Storrs.
- [8] December 2016 – ‘Harmony, Maximality, and Relevance’ – Workshop of the chair of logic. University of Bonn.
- [9] October 2016 – ‘Armonia, massimalità e rilevanza’ – Modi della logica e forme della scienza, Univ. Bologna.
- [10] June 2015 – ‘Proof Theory of non-normal modal logics’ – SEMINAR TCS-ML. Universität der Bundeswehr, München.
- [11] June 2015 – ‘Distribution<sup>&/v</sup> without the world’ – 8<sup>th</sup> Latin Meeting, Univ. Milan.
- [12] December 2014 – ‘A Note on Weak and Strong Permission’ – 9<sup>th</sup> COGITO Day. Univ. Bologna.
- [13] March 2014 – ‘Proof analysis in deontic logic’ – Modi della logica e forme della scienza, Univ. Bologna.
- [14] July 2013 – ‘Tableaux per logiche modali indiciate’ – Modi della logica e forme della scienza, Univ. Bologna.

### Contributed Presentations

- [1] September 2020 – ‘Constructive cut elimination in geometric logic’. LAP 2020. Virtual conference.
- [2] August 2020 – ‘FOIL with constant domains revisited’. AiML 2020. Virtual conference.
- [3] May 2019 – ‘Logical notation for modalities and relational semantics’ – 2<sup>nd</sup> international workshop on the philosophy of notation. Univ. Bologna.

- [4] March 2019 – ‘Interpolation in extensions of first-order logic’ – 3<sup>rd</sup> Tübingen conference on proof-theoretic semantics. University of Tübingen.
- [5] July 2018 – ‘Proof theory for quantified monotone modal logics’ – Workshop on external and internal calculi for non-classical logics (EICNCL 2018). Univ. Oxford.
- [6] July 2018 – ‘Labelled calculi for quantified modal logics with non-rigid and non-denoting terms’ – 3<sup>rd</sup> workshop on automated reasoning in quantified non-classical logic (ARQNL 2018). Univ. Oxford.
- [7] March 2017 – ‘A relevant solution for stability’ – Workshop on consequence and paradox. University of Tübingen.
- [8] October 2016 – ‘A Relevant Problem for Stability’ – Workshop on logical constants. University of Munich.
- [9] July 2016 – ‘Sequent Calculi for Indexed Epistemic Logics’ – 2<sup>nd</sup> workshop on automated reasoning in quantified non-classical logic (ARQNL 2016). University of Coimbra.
- [10] June 2016 – ‘Double-line harmony in a sequent setting’ – LOGICA 2016. Hejnice Monastery.
- [11] May 2016 – ‘Proof theory for quantified non-normal modal logic’ – Modalities, conditionals and values. University of Helsinki.
- [12] November 2015 – ‘Harmony, logicality, and double-line rules’ – General proof theory. University of Tübingen, Tübingen.
- [13] September 2015 – ‘Harmony, logicality, and double-line rules’ – 7<sup>th</sup> conference on non-classical logics: theory and applications. Univ. Toruń.
- [14] August 2015 – ‘Proof Theory of non-normal modal logics’ – 15<sup>th</sup> congress in logic, methodology and philosophy of science. Univ. Helsinki.
- [15] July 2015 – ‘Intuitionistic Deontic Logic’ – Trends in logic XV. TU Delft.
- [16] July 2014 – ‘Proof analysis in non-normal deontic logics’ – 12<sup>th</sup> conference on deontic logic and normative systems (DEON 2014). Centre for Logic and Philosophy of Science, Ghent.
- [17] June 2014 – ‘Proof analysis in non-normal deontic logics’ – SILFS triennial conference. Università Roma TRE, Roma.
- [18] April 2014 – ‘Proof Theory of Quantified Modal Logics’ – AILA, XXV incontro di logica. Scuola Normale Superiore, Pisa.

## Professional Activities

- 2014–2017 Secretary of the SILFS.
- Organizer of the following international conference:
  - AiML2020 – Advances in Modal Logic;
  - CCA 2020 – Computability and Complexity in Analysis;
  - SILFS 2017 – Triennial International Conference.

- Reviewer for the following journals:
  - Annals of Philosophy;
  - Annals of Pure and Applied Logic;
  - Erkenntnis;
  - IfCoLog Journal of Logics and their Applications;
  - Journal of Applied Non-Classical Logic;
  - Journal of Philosophical Logic;
  - Kriterion – Journal of Philosophy;
  - Lithuanian Mathematical Journal;
  - Logique et Analyse;
  - Philosophical Inquiries;
  - Review of Symbolic Logic:
  - RIFAJ;
  - Studia Logica;
  - Synthese;
  - Theoria (A Swedish Journal of Philosophy and Psychology).
- Reviewer for the following international conferences:
  - Advances in Modal Logic 2020 – AiML 2020.
  - Triennial International Conference of the Italian Society for Logic and Philosophy of Science – SILFS 2020.
  - 28<sup>th</sup> International Conference on Automated Reasoning with Analytic Tableaux and Related Methods – TABLEAUX 2019.
  - 44<sup>th</sup> International Symposium on Mathematical Foundations of Computer Science – MFCS 2019.
  - 26<sup>th</sup> Workshop on Logic, Language, Information and Computation –WoLLIC 2019.
  - 12<sup>th</sup> Advances in Modal Logic – AiML 2018.
  - Triennial International Conference of the Italian Society for Logic and Philosophy of Science – SILFS 2017.
  - International Joint Conference on Automated Reasoning – IJCAR 2016.

## References

Giovanna Corsi, Sara Negri, Guido Gherardi.