

# Tiziano Dalmonte

Faculty of Engineering  
University of Bozen-Bolzano

## Education

2017–2020: PhD in Computer Science (Logic)  
University of Aix-Marseille, France.

2016: Master in Philosophy  
University of Bologna, Italy.

2013: Bachelor in Philosophy  
Johannes Gutenberg Universität Mainz, Germany and University of Bologna, Italy (binational program).

## Qualification

2024: “Maître de conférences en Informatique”  
French qualification nr. 24227404956, section 27 , obtained on 09 Feb. 2024.

## Research Experience

July 2024–present: Assistant professor (ricercatore a tempo determinato)  
Faculty of Engineering, Free University of Bozen-Bolzano, Italy.

Apr. 2022–Apr. 2024: Research assistant (assegnista di ricerca)  
Faculty of Engineering, Free University of Bozen-Bolzano, Italy.

Sep. 2021–Feb. 2022: Research grant (borsa di ricerca)  
Faculty of Philosophy, Center for Logic, Language and Cognition, University of Turin, Italy.

Sep. 2020–Aug. 2021: Postdoctoral researcher  
Theory and Logic Group, Institute of Logic and Computation, Technische Universität Wien, Austria.

May 2017–Oct. 2020: Doctoral researcher  
Faculty of Computer Science, University of Aix-Marseille, France.

## Teaching Experience

AY 2025–26: Faculty of Engineering, Free University of Bozen-Bolzano:  
Laboratory of Data Structures and Algorithms (30 hrs),  
Laboratory of Computer Programming (30hrs).

AY 2024–25: Faculty of Engineering, Free University of Bozen-Bolzano:  
Laboratory of Data Structures and Algorithms (30 hrs),  
Laboratory of Computer Programming (30hrs).

Aug. 2024: 35th European Summer School in Logic, Language and Information (ESSLLI), 4–9 Aug. 2024:  
Course on Proof Theory of Modal Logic (advanced), with Marianna Girlando.

AY 2023–24: Faculty of Engineering, Free University of Bozen-Bolzano:  
Laboratory of Data Structures and Algorithms (30 hrs),  
Laboratory of Computer Programming (30hrs).

AY 2022–23: Faculty of Computer Science, Free University of Bozen-Bolzano:  
Laboratory of Data Structures and Algorithms (30 hrs).

AY 2021–22: Department of Philosophy and Communication Studies, University of Bologna:  
Didactic tutor in logic (50hrs).

AY 2016–17: Department of Philosophy and Communication Studies, University of Bologna:  
Didactic tutor in “Alfabetizzazione filosofica”: introduction to logic and argumentation theory to 1st year students (60hrs).

## Publications

### Journals

- Tiziano Dalmonte. Minimal modal logics, constructive modal logics and their relations. *The Review of Symbolic Logic* (2025), 18(2), 463–504.
- Vincenzo Crupi, Tiziano Dalmonte, Andrea Iacona. Non-monotonicity and contraposition. *Journal of Logic Language and Information* (2025) 34, 27–46.

- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Proof theory for the logics of bringing-it-about: Ability, coalitions and means-end relationship. *Journal of Logic and Computation* (2024), 34(4), 764–794.
- Tiziano Dalmonte, Björn Lellmann, Nicola Olivetti, Elaine Pimentel. Hypersequent calculi for non-normal modal and deontic logics: Countermodels and optimal complexity. *Journal of Logic and Computation* (2021), 31(1), 67-111.
- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Intuitionistic non-normal modal logics: A general framework. *Journal of Philosophical Logic* (2020), 49(5), 833-882.
- Tiziano Dalmonte, Sara Negri, Nicola Olivetti, Gian Luca Pozzato. Proof-search and countermodel generation for non-normal modal logics: The theorem prover PRONOM. *Intelligenza Artificiale* (2020), 14, 215-229.

## Conference Proceedings

- Tiziano Dalmonte, Marianna Girlando. A proof-theoretic view of basic intuitionistic conditional logic. *Proceedings of TABLEAUX 2025*, Reykjavík, 2025.
- Tiziano Dalmonte, Andrea Mazzullo. CoNP complexity for combinations of non-normal modal logics. *Proceedings of TABLEAUX 2023*, Prague, 2023.
- Tiziano Dalmonte, Andrea Mazzullo, Ana Ozaki, Nicolas Troquard. Non-normal modal description logics. *Proceeding of JELIA 2023*, Dresden, 2023.
- Tiziano Dalmonte. Wijesekera-style constructive modal logics. *Proceedings of AiML 2022*, Rennes, 2022.
- Tiziano Dalmonte, Marianna Girlando. Comparative plausibility in neighbourhood models: axiom systems and sequent calculi. *Proceedings of AiML 2022*, Rennes, 2022.
- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Toward an intuitionistic deontic logic tolerating conflicting obligations. *Proceedings of WoLLIC 2022*, Iasi, 2022.
- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Terminating calculi and countermodels for constructive modal logics. *Proceedings of TABLEAUX 2021*, Birmingham, 2021.
- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Proof systems for the logics of bringing-it-about. *Proceedings of DEON 2020-21*, Munich, 2021.
- Tiziano Dalmonte, Nicola Olivetti, Gian Luca Pozzato. HYPNO: theorem proving with hypersequent calculi for non-normal modal logics. *Proceedings of IJCAR 2020*, Paris, 2020.
- Tiziano Dalmonte, Bjoern Lellmann, Nicola Olivetti, Elaine Pimentel. Countermodel construction via optimal hypersequent calculi for non-normal modal logics. *Proceedings of Logical Foundations of Computer Science 2020*, Deerfield Beach, 2020.
- Tiziano Dalmonte, Sara Negri, Nicola Olivetti, Gian Luca Pozzato. PRONOM: proof-search and countermodel generation for non-normal modal logics. *Proceedings of AIIA 2019*, Rende, 2019.
- Tiziano Dalmonte, Nicola Olivetti, Sara Negri. Non-normal modal logics: bi-neighbourhood semantics and its labelled calculi. *Proceedings of AiML 12*, Bern, 2018.

## Workshops (informal proceedings)

- Tiziano Dalmonte, Andrea Mazzullo, Ana Ozaki. Reasoning in non-normal modal description logics. *ARQNL 2022*.
- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Systèmes de preuve pour les logiques de “Bringing-it-About”. *Conférence Nationale d’Intelligence Artificielle Année 2021*.
- Tiziano Dalmonte, Andrea Mazzullo, Ana Ozaki. On non-normal modal description logics. *DL 2019*, Oslo, 2019.
- Tiziano Dalmonte, Charles Grellois, Nicola Olivetti. Towards intuitionistic non-normal modal logic and its calculi. *International workshop on External and Internal Calculi for Non-classical Logics*, Oxford, 2018.

## Talks

- 27–29 Sep. 2025: A proof-theoretic view of basic intuitionistic conditional logic. @Tableaux 2025, Reykjavik University, Iceland.
- 19–21 Sep. 2023: CoNP complexity for combinations of non-normal modal logics. @Tableaux 2023, University of Prague, Czech Republic.
- 29 Mar. 2023: Connecting proof theory and semantics for non-normal modal logics. @LLAMA Seminar, Institute for Logic, Language and Information (ILLC) of the University of Amsterdam, Netherlands (invited seminar).
- 20–23 Sep. 2022: Toward an intuitionistic deontic logic tolerating conflicting obligations. @WoLLIC 2022, University of Iasi, Romania.
- 22–25 Aug. 2022: Wijesekera-style constructive modal logics. @AiML 2022, University of Rennes, France.
- 31 July 2022: Proof theory, countermodels and optimal complexity for modal logics. @DaLi–Dynamic Logic: new trends and applications workshop, with Elaine Pimentel (online).

- 18–19 Jan. 2021: Non-monotonicity and contraposition. @8th Ticamore meeting, Institut für Logic and Computation, TU Wien, Austria (online).
- 6–9 Sep. 2021: Terminating calculi and countermodels for constructive modal logics. @Tableaux 2021, University of Birmingham, UK (online).
- 24 July 2021: Proof systems for the logics of bringing-it-about. @DEON 2020–21, Munich, Germany (online).
- 16–17 June 2021: Proof theory of constructive modal logics. @7th Ticamore meeting, Institut für Logic and Computation, TU Wien, Austria (online).
- 31 Mar. 2021: Proof systems and countermodels for non-normal modal logics. @YR–OWLS: Online worldwide seminar on logic and semantics (invited seminar).
- 25 Sep. 2020: Theorem Proving for Non-Normal Modal Logics. @Overlay 2020, University of Udine, Italy (online)
- 04–07 Jan. 2020: Countermodel construction via optimal hypersequent calculi for non-normal modal logics. @LFCS 2020, Florida Atlantic University, USA.
- 21 Nov. 2019: Non-normal modal logics: From models to proofs. @Seminars of the Pôle Calcul, LIS, University of Aix-Marseille, France.
- 11–13 Nov. 2019: Countermodel construction via optimal hypersequent calculi for non-normal modal logics. @5th Ticamore meeting, Wolfgang Pauli Institute, Vienna, Austria.
- 17–21 June 2019: Intuitionistic and classical non-normal modal logics: An embedding. @TACL 2019, University of Nice, France.
- 6 Feb. 2019: Intuitionistic non-normal modal logics. @Seminars of the Theory and Logic Group, TU Wien, Austria.
- 12 Nov. 2018: Intuitionistic non-normal modal logics. @Seminars of LIRICA, Pôle Calcul, University of Aix-Marseille, France.
- 27–31 Aug. 2018: Non-normal modal logics: Bi-neighbourhood semantics and its labelled calculi. @AiML 2018, University of Bern, Switzerland.
- 19 July 2018: Toward intuitionistic non-normal modal logic and its calculi. @EICNCL workshop, University of Oxford, UK.
- 7 June 2018: Internal and external calculi for intuitionistic non-normal modal logic. @3rd Ticamore meeting, LORIA, Campus Scientifique, Nancy, France.
- 15–17 Nov. 2017: Semantic based labelled sequent calculi for non-normal modal logics. @2nd Ticamore meeting, Campus St-Charles, Marseille, France.

## Reviewing

- Journals: Review of Symbolic Logic; Journal of Philosophical Logic; Journal of Logic and Computation; Studia Logica; Journal of Logic, Language and Information; Journal of Artificial Intelligence Research; Applied Ontology; Bulletin of the Section of Logic; Logic Journal of the IGPL; Journal of Applied Non-Classical Logics.
- Conferences: IJCAR; KR; Tableaux; AiML; CSL; CPP; LORI; WoLLIC; NCL.
- Workshops: CAOS; FOUST; DAOXAI; K4RHI.
- Contribution to volume: N. Bezhanishvili, R. Iemhoff, F. Yang (Eds.), Dick de Jongh on Intuitionistic and Provability Logic, Springer Netherlands, Dordrecht.

## Grants and Awards

- Sep. 2020–May 2021: Ernst Mach Stipendium, funded by OeAD, Austria’s Agency for Education and Internationalisation.
- 19 Oct. 2019: Best student paper award, AI\*IA 2019.

## Language Competence

Italian (mother tongue), English (C1, CLA unibz), German (B2, CLA unibz), French (B1).

Tiziano Dalmonte  
13 Apr. 2026