

## CURRICULUM VITAE ET STUDIORUM

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Nationality Italian  
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### UNIVERSITY EMPLOYMENT AND EDUCATION

2015– **Professor of Theoretical Philosophy**, University of Helsinki.  
2014–2015 **Fellow** of the Helsinki Collegium for Advanced Studies.  
2013 **Habilitations to full and associate professorship in Italy**  
Logica, storia e filosofia della scienza (11/C2, full),  
Logica matematica e matematiche complementari (01/A1, full),  
Informatica (01/B1, associate).  
2012–2014 **Senior Researcher**, Dept. of Philosophy, University of Helsinki.  
2002–2007, 2007–2012 **Academy Research Fellow**, Dept. of Philosophy, Univ. of Helsinki.  
1996–2002 **Researcher**, Dept. of Philosophy, University of Helsinki.  
1998 **Docentship** in Logic, University of Helsinki.  
1995–1996 **Research Associate**, Dept. of Computing, Imperial College, London.  
1996 **PhD degree** in Mathematics, University of Padova.  
1991 **Master's Degree** in Mathematics, 110/110 *cum laude*, Univ. of Padova.

### RESEARCH AND TEACHING VISITS

3–6.2016 **Professore a contratto**, Univ. degli Studi di Verona.  
5.2016 **Professore a contratto**, Scuola Normale Superiore, Pisa.  
5.2005 **Guest Professor**, Institut de Recherche en Informatique de Toulouse.  
9.2004–2.2005 **Humboldt Fellow**, Dept. of Mathematics, University of Munich.  
1–4.2001 **Visiting scientist**, Mittag-Leffler Institute, Stockholm.  
7.1997, 6.1998 **Visiting researcher**, Dept. of Computer Science, Univ. of St. Andrews.  
11.1994–6.1995 **Visiting researcher**, Computer Science Dept., Chalmers Univ., Göteborg.  
9–12.1992 **Visiting researcher**, Dept. of Mathematics, Amsterdam University.

## TEACHING EXPERIENCE

1. Course “Arrow’s theorem and other impossibility results”. Intensive course for undergraduate students at the University of Verona, June 2016.
2. Five lectures for the PhD program in Philosophy at the Scuola Normale Superiore, Pisa, May 2016.
3. Course “A primer in proof theory”. Intensive course for undergraduate students at the University of Verona, May 2016.
4. Course “Introduction to proof theory,” spring 2016, Dept. of Philosophy, Univ. of Helsinki
5. Course “Introduction to philosophical logic,” fall 2015, Dept. of Philosophy, Univ. of Helsinki.
6. Reading seminar on the writings of G.H. von Wright, fall 2015, Dept. of Philosophy, Univ. of Helsinki.
7. Course “Teoria della dimostrazione”, Scuola Estiva di Logica, Gargnano, Italy, August 24-30, 2014.
8. Course “Counterfactuals,” fall 2013, Dept. of Philosophy, Univ. of Helsinki.
9. Tutorial “Proof Systems for Modal and Epistemic Logics,” Pisa Summer Workshop on Proof Theory, June 2012, Pisa, Italy.
10. Research seminar in logic 2005–2010 and 2011–13, director, Univ. of Helsinki.
11. Lecture series “The Method of Proof Analysis: Background, Developments, New Directions,” JAIST Spring School, March 2012, Kanazawa, Japan.
12. Lecture series “Proof analysis in mathematical and philosophical logic,” St. Petersburg State University, January 2011.
13. Course “Reasoning about logics,” fall 2010, Dept. of Philosophy, Univ. of Helsinki.
14. Reading seminar on dynamic epistemic logic, spring 2010, Dept. of Philosophy, Univ. of Helsinki.
15. “Lectures on Proof Analysis”, Mathematics Dept., Univ. of Minho, Braga, Portugal, 2006.
16. Lecture series “Proof Analysis,” University of Munich, Germany, 2005.
17. Lecture series “Introduzione alla teoria della dimostrazione”, University of Milan, 2004.

18. Course “Proof theory,” spring 2004, Dept. of Philosophy, Univ. of Helsinki.
19. Course “Proof analysis,” Summer School and Workshop on Proof Theory, Computation and Complexity, Dresden Technical University, 2003.
20. Course “Proof theory and proof search,” fall 2002, Dept. of Comp. Science, Univ. of Helsinki.
21. Course “Five lectures on proof-analysis,” fall 2001, Dept. of Philosophy, Univ. of Helsinki.
22. Course “Non-classical logics,” fall 2000, Dept. of Philosophy, Univ. of Helsinki.
23. Course “Proof theory and constructive semantics,” spring 2000, Dept. of Philosophy, Univ. of Helsinki.
24. Course “Introduction to proof theory,” fall 1998, Dept. of Philosophy, Univ. of Helsinki.

#### SUPERVISIONS OF PH.D. THESES

1. Eugenio Orlandelli, joint supervision with Prof. Giovanna Corsi, University of Bologna, “Proof Theory of Quantified Modal Logics,” 2014. Orlandelli currently holds a Post-Doc position at the University of Bologna.
2. Paolo Maffezioli, joint supervision with Prof. Pierluigi Minari, University of Florence, “Proof Theory of Epistemic Logics,” 2012. After defending his thesis, Maffezioli has been awarded Post-Doc positions at the University of Wien, Groningen, and Turin.
3. Raul Hakli, University of Helsinki, “Group Beliefs: Studies on the Nature and Logic of Collective Doxastic Attitudes,” 2010. Hakli is a Post-Doc researcher at the Unit of Social and Moral Philosophy (Dept. of Political and Economic Studies) of the University of Helsinki.
4. Bianca Boretti, University of Milan, joint supervision with Prof. Miriam Franchella, “Proof Analysis in Temporal Logic,” 2009. After a Post-Doc at the Politecnico of Milano, Boretti has taken up a career outside Academia.

#### STUDIES IN UNIVERSITY PEDAGOGY

1. University Pedagogy I (22.1–19.4.2010): Teaching and learning in higher education (5 ECTS credits); Design, implementation and assessment of teaching (5 ECTS credits).
2. Supervision and Guidance in Higher Education (26.4–24.5.2010, 5 ECTS credits).

Courses completed at the Centre for Research and Development of Higher Education, Faculty of Behavioural Sciences, University of Helsinki.

#### INVITED PRESENTATIONS IN INTERNATIONAL MEETINGS

1. *Non-normal modal logics: A challenge to proof theory*, Logica 2016, Hejnice monastery, Czech Republic, 20–24 June 2016 (**keynote** speaker).
2. *Proof theory for Lewis counterfactuals and conditional logic and Glivenko sequent classes in the light of structural proof theory*, Estonian-Finnish Logic Meeting, Rakvere, 13–15 November 2015.
3. *Well quasi-orders in philosophical logic*. Well quasi-orders: From theory to applications. Hamburg, DMV-Jahrestagung 2015, September 24-25.
4. *On neighbourhood semantics and sequent calculus*. Workshop Trends in Proof Theory. DMV-Jahrestagung 2015 affiliated meeting. University of Hamburg, September 20-21, 2015.
5. *Recent advances in proof systems for modal logic*. Advances in Modal Logic 2014, University of Groningen, The Netherlands, August 5-8, 2014 (**keynote** speaker).
6. *On proofs and countermodels*, Summer School on Proof, Truth, Computation, Frauenchiemsee, Germany, July 21–25, 2014.
7. *Proof systems for first-order theories*, Algebra and coalgebra meet proof theory 2014, Queen Mary, University of London, May 15–16, 2014.
8. *Counterfactual reasoning*, Workshop on Formalization in Philosophy II, Univ. of Copenhagen, December 12–13, 2013.
9. *A proof theory for counterfactual reasoning*, Workshop ‘Proof Theory and Philosophy’, University of Groningen, December 3–5, 2013.
10. *Extending the scope of labelled sequent calculi: the case of classical counterfactuals*, Theory and Application of Formal Proofs, Paris, November 5–7, 2013.
11. *On the duality of proofs and countermodels in labelled sequent calculi*, Tableaux 2013, Nancy, September 13–16 (**keynote** speaker).
12. *Generation of proofs and countermodels in labelled sequent calculi*, Modality and Modalities, Roskilde University, May 23–24, 2013 (**keynote** speaker).
13. *The intensional side of algebraic-topological representation theorems*, Workshop on Intensionality in Mathematics, Lunds Universitet, May 11-12, 2013.
14. *Unifying the search of proofs and countermodels in non-classical logics*, 4th World Congress on Universal Logic, Rio de Janeiro, April 2013 (**keynote** speaker).

15. *From semantics to proofs: Provability logics and modal embeddings*, Between Semantics and Proof Theory: A Workshop in Honor of Arnon Avron's 60th Birthday. Tel-Aviv, Israel, November 2012.
16. *Design of proof systems: The pros and cons of harmony*, Modal Logics & Proof Theory, University of Florence, April 27, 2012.
17. *The geometry of proof analysis: from rule systems to systems of rules*, Computational Logic Workshop in Honour of Roy Dyckhoff, StAndrews, UK, Nov. 2011.
18. *The geometry of proof analysis: from rule systems to systems of rules*, Mathematical Logic: Proof Theory and Constructive Mathematics, Oberwolfach, Germany, Nov. 2011.
19. *Constructive embeddings of intermediate logics*, Symposium on Constructivity and Computability in Algebra, Analysis, Logic and Topology, Uppsala, June 2011.
20. *A survey of labelled sequent systems*, Computability in Europe CiE 2010, University of Azores, Portugal, June 29-July 5, 2010 (**keynote** speaker and invited workshop speaker).
21. *Proof analysis*, Symposium on Proof Theory and Constructivism, Leeds, UK, 2009.
22. *A systematic approach to completeness and decidability for modal logic*, Advances in Constructive Topology and Logical Foundations University of Padova, October 8–11, 2008.
23. *Does the deduction theorem fail for modal logic?* Philosophy of Logical Consequence, Swedish Collegium of Advanced Studies SCAS, Uppsala, Oct. 31–Nov. 2, 2008.
24. *Problems of proof theory in modal logic*, Logic Colloquium '08 (Workshop on Proof Theory), Bern, Switzerland, July 2008.
25. *Proof analysis in non-classical logics*, Logic Colloquium '05, Athens, Greece, August 2005 (**keynote** speaker for special session on philosophical logic).
26. *The interplay of syntax and semantics in the proof theory of provability logic*, Mathematical Logic, Oberwolfach, Germany, March 2005.
27. *Proof-theoretic methods in linear lattice theory* (talk presented by co-author), XXII Incontro di Logica, AILA, Pisa (Italy), February 2005.
28. *Proof analysis in non-classical logics*, Deduktive Aspekte in Beweistheorie und Informatik, Munich, Germany, January 2005.
29. *Formal Kripke semantics with applications*, Constructive Logic and Mathematics, Benediktbeuern, Germany, November 2004.

30. *Internalized Kripke semantics and proof analysis in modal logic*, UCLA-Helsinki Meeting, Los Angeles, USA, May 2004.
31. *Proof theory of lattice theory*, From Sets and Types to Topology and Analysis: Towards Practicable Foundations for Constructive Mathematics, Venice International University, May 2003.
32. *On the proof theory of constructive ordered fields*, Reuniting the Antipodes—Constructive and Non-standard Views of the Continuum, Venice International University, May 1999.
33. *The Hahn-Banach theorem in formal topology*, Twenty-Five Years of Constructive Type Theory, Venice, October 1995.

#### OTHER INVITED PRESENTATIONS AND GUEST LECTURES

1. *Dalla semantica di intorni a sistemi analitici di prova per le logiche modali non-normali*, Dept. of Philosophy, Univ. of Florence, May 6, 2016.
2. *In the neighbourhoods of Gentzen calculi: proof systems for non-normal modal logics*, Fédération de Recherche en Informatique et Interaction d’Aix-Marseille, (invited by Prof. Nicola Olivetti), December 17, 2015.
3. *Proof analysis for Lewis counterfactuals and conditional logic*, Munich Center for Mathematical Philosophy, 23 November 2015.
4. *Proofs and countermodels in labelled sequent calculi: some recent developments*, Fédération de Recherche en Informatique et Interaction d’Aix-Marseille, (invited by Prof. Nicola Olivetti), December 17, 2013.
5. *Unifying the normative, descriptive, and deductive aspects of applied logic*, Delft University of Technology, (invited by Prof. Alessandra Palmigiano), December 2013.
6. *Systems of proof search: a logical success story*, Oiva Ketonen centenary, 1913-2013, Finnish Philosophical Society, January 2013.
7. *A cut-free sequent system for Grzegorzcyk logic, with an application to the provability interpretation of intuitionistic logic; Design of proof systems: The pros and cons of harmony*, Dept. of Pure Mathematics, Univ. of Leeds (invited by Prof. Peter Schuster), May 2012 (two talks).
8. *An application of proof analysis to the knowability paradox*, Dept. of Computer Science, Univ. of Oslo (invited by Prof. Herman Jervell), April 2011.
9. *An application of proof analysis to the knowability paradox*, Dept. of Philosophy, University of Stockholm (invited by Prof. Peter Pagin), April 2011.

10. *Proof analysis in intermediate logics and their modal companions*, Dept. of Mathematics, University of Padova (invited by Dr. Milly Maietti), April 2009.
11. *Sintassi e semantica nei calcoli logici*, Dept. of Philosophy, University of Bologna (invited by Prof. Giovanna Corsi), October 2009.
12. *Il dibattito sui teoremi di completezza e di deduzione in logica modale*, Dept. of Philosophy, University of Bologna (invited by Prof. Giovanna Corsi), January 2009.
13. *L'evoluzione della dimostrazione di completezza per la logica modale*, Dept. of Philosophy, Univ. of Pisa (invited by Prof. Enrico Moriconi), Oct. 2008.
14. *Proof analysis in temporal logic*, Dept. of Mathematics, Univ. of Uppsala (invited by Prof. Erik Palmgren), October 2007.
15. *Equality in the presence of apartness: A problem of van Dalen and Statman revisited*, Dept. of Philosophy, University of Bologna (invited by Prof. Giovanna Corsi), June 2006.
16. *Proof analysis in intermediate logics*, Stockholm-Uppsala logic seminar (invited by Prof. Per Martin-Löf), April 2006.
17. *Proof analysis for philosophical logic*, Kolloquium des Graduiertenkolleg "Logik in der Informatik", Munich, December 2004.
18. *Sequent calculus with internalized Kripke semantics for modal logic*, Dept. of Philosophy, Stanford Univ., USA (invited by Prof. Grigori Mints), June 2004.
19. *Sequent calculus with internalized Kripke semantics for modal logic*, Institute of Cybernetics, Tallinn (invited by Prof. Tarmo Uustalu), May 2004.
20. *Proof analysis for modal logic*, Stockholm-Uppsala logic seminar (invited by Prof. Per Martin-Löf), November 2003.
21. *A uniform Gentzen approach to the proof theory of modal logic*, Dept. of Philosophy, University of Oslo (invited by Prof. Herman Jervell), October 2003.
22. *Permutability of rules in lattice theory*, Stockholm-Uppsala logic seminar (invited by Prof. Per Martin-Löf), November 2002.
23. *Contraction-free sequent calculi for geometric theories, with an application to Barr's theorem*, The Mittag-Leffler Institute, Stockholm, April 2001.
24. *Structural analysis of mathematical proofs*, The Mittag-Leffler Institute, Stockholm, February 2001.
25. *Deduzione naturale per la logica lineare*, Dept. of Philosophy, Univ. of Pisa (invited by Prof. Enrico Moriconi), May 2000.

26. *Axioms-as-rules in sequent calculi for elementary mathematical theories*, Stockholm-Uppsala logic seminar (invited by Prof. Per Martin-Löf), March 1998.
27. *Constructive analysis in formal topology*, Dept. of Mathematics and Computer Science, St. Andrews (invited by Prof. Roy Dyckhoff), February 1996.
28. *The constructive Hahn-Banach theorem in formal pointfree topology*, Dept. of Mathematics, Oxford (invited by Prof. Peter Collins), January 1996.
29. *Pointfree reasoning in formal topology* and *Avoiding non-constructive principles in topology and analysis*, Dept. of Computing, Imperial College (invited by Prof. Abbas Edalat and Prof. Steve Vickers), July and November 1995.
30. Series of seminars at the Group of Artificial Intelligence (CNR, Padova). 10.12.1993: *Introduzione alla Topologia Formale*; 11.2.1994: *Introduzione alla Logica Lineare*; 9.5.1994, 13.5.1994 - *Completezza della Logica Lineare rispetto alla semantica della Pretopologie Formali* (invited by Dr. Claudio Sossai).

#### FORTHCOMING INTERNATIONAL MEETINGS

1. Advances in Modal Logic 2016, Budapest, 29 August-2 September 2016 (contributed paper).
2. Night of Philosophy, Helsinki, 2–3 September 2016 (invited speaker).
3. Jaakko Hintikka on the functions of logic. First Year Memorial Symposium, Helsinki, 8–9 September 2016 (invited speaker).
4. Workshop on Logical Constants, 5–6 October 2016, Ludwig-Maximilians-Universitaet, Muenchen (invited speaker).
5. Eighth French Philosophy of Mathematics Workshop, 3–5 November 2016, Marseille (invited speaker).

#### OTHER INVITATIONS IN INTERNATIONAL MEETINGS (DECLINED OR CANCELLED BY *force majeure*)

1. Utrecht Workshop on Proof Theory, Utrecht University, April 16-18, 2015.
2. Logic workshop, March 19–20, 2015, Tokyo, Japan.
3. Modeling hypothetical reasoning: validity, inference, and paradoxes, University of Paris I, February 19-20, 2015.
4. 21st International Conference on Types for Proofs and Programs, TYPES 2015, Tallinn, Estonia.



5. Summer School on Mathematical Philosophy for Female Students 2015, Munich Center for Mathematical Philosophy.
6. 6th Indian Conference on Logic and its Applications (ICLA 2015).
7. Mathematical Logic: Proof theory, Constructive Mathematics, Oberwolfach, November 16–22, 2014, Germany
8. Philosophy, Mathematics, Linguistics: Aspects of Interaction 2014 (PhML-2014) International interdisciplinary conference, April 21–25, 2014, St. Petersburg, Russia.
9. Workshop on proof theory for modal logic at ISLA 2014, India.

#### CONTRIBUTED TALKS

1. *A sequent calculus for preferential conditional logic based on neighbourhood semantics.* Automated Reasoning with Analytic Tableaux and Related Methods University of Wrocław, Poland, September 20-24, 2015 (talk presented by co-author).
2. *Proof theory for neighbourhood semantics,* CLMPS 2015 affiliated meeting: Proof theory of modal and non-classical logics. 7 August 2015, University of Helsinki.
3. *Proof analysis for Lewis counterfactuals,* Triennial International Conference of the Italian Society for Logic and Philosophy of Science, Roma, June 18–20, 2014 (joint paper presented by junior co-author).
4. *Proof systems for normal modal logics with arbitrary first-order frame conditions,* Modality and Modalities 2014, Lunds Universitet, May 22–24, 2014.
5. *On Proofs and Countermodels,* XXV incontro dell’Associazione Italiana di Logica e sue Applicazioni, Scuola Normale Superiore, Pisa, 14–17 April 2014.
6. *Design of proof systems: The pros and cons of harmony,* Workshop on Proof Theory and Constructivism, Helsinki, March 2012.
7. *The Church-Fitch paradox in the light of structural proof theory,* 14th Congress of Logic, Methodology and Philosophy of Science, Nancy, July 2011 (joint paper presented by junior co-author).
8. *Fitch’s paradox in the light of structural proof theory,* Logic Colloquium 2011, Barcelona, July 2011 (joint paper presented by junior co-author).
9. *A proof theoretical perspective on Public Announcement Logic,* SILFS 2010, Italian Society for Logic and Philosophy of Science International Conference, Bergamo, Italy, December 2010 (joint paper presented by junior co-author).

10. *A Gentzen-style analysis of Public Announcement Logic*, International Workshop on Logic and Philosophy of Knowledge, Communication and Action, San Sebastian 2010 (talk by junior co-author).
11. *Specifying and reasoning with asynchrony: proof theory of DSL*, Unilog 2010, World Congress on Universal Logic, April 2010, Lisbon (talk by co-author).
12. *Reasoning about collectively accepted group beliefs*, Logical Methods for Social Concepts, ESSLLI 2009, Bordeaux, France (talk by junior co-author).
13. *Decidability for Priorean linear time using a fixed-point labelled calculus*, Tableaux 2009, Oslo, July 2009 (talk by junior co-author).
14. *Analisi delle dimostrazioni nella logica del tempo*, XXIII Incontro di Logica, AILA, Genova (Italy), February 2008 (talk by junior co-author.)
15. *Proof theory for distributed knowledge*, CLIMA VIII, Computational Logic in Multi-Agent Systems, September 2007, Porto, Portugal (talk given by junior co-author).
16. *A uniform cut-elimination theorem for contraction-free systems of modal logic*, July 2004: Logic Colloquium 2004, Torino, Italy.
17. *Constructivity in proof theory and non-classical logics*, Mantova, October 2–4, 2000.
18. *Sequent calculus in natural deduction style*, XX Incontro di Logica Matematica, Ravello (Salerno), September 25-28, 2000.
19. *Systems of natural deduction for intuitionistic linear logic*, Logic Colloquium 2000, Paris, July 23–31, 2000
20. *Cut elimination in the presence of axioms*, Logic Colloquium '98, Prague, August 9–16, 1998.
21. *From Kripke Models to Algebraic Counter-valuations*, Tableaux '98, Tilburg, The Netherlands, May 4–8, 1998.
22. *Sequent calculus proof theory of intuitionistic apartness and order relations*. Logic Colloquium '97, Leeds, July 6–13, 1997.
23. *From axioms to rules in logical deduction*, XVII Incontro di Logica Matematica, Perugia, November 5–8, 1997.
24. *Locally compact formal topologies*, First Workshop on Formal Topology, Padova, October 2–4, 1997.
25. *Continuous lattices in formal topology*, Types Working Group Annual Meeting, Aussois, December 15–19, 1996.

26. *Constructive analysis via formal topology*, XVI Incontro di Logica Matematica, Genova, October 23–26, 1996.
27. *Local compactness in formal topology*, Type Theory Day ‘96, June 14, 1996, Helsinki.
28. *The generalized Riemann integral on locally compact spaces*, 2<sup>nd</sup> Theory and Formal Methods Section Workshop, Oxford, March 31–April 4, 1996.
29. *I teoremi di Heine-Borel e di Hahn-Banach nel contesto della topologia formale*, XV Congresso Unione Matematica Italiana, Padova, September 11–16, 1995.
30. *The Heine-Borel theorem in type theory*, BRA workshop: “Proofs and Types”, Torino, Italy, June 5–8, 1995.
31. *On the constructive content of Stone representation*, International Conference on Logic and Algebra, Pontignano, Italy, April 26–30, 1994.
32. *Tychonoff’s theorem in type theory*, Workshop on Applications of Type Theory, University of Helsinki, September 2–4, 1993.
33. *A semantical analysis of translations between intuitionistic and linear logic*, II Workshop di Logica Lineare, Pontignano, Italy, June 15–18, 1992.
34. *Algebraic, topological and categorical embeddings from intuitionistic logic into linear logic*, XV Incontro di Logica Matematica, University of Camerino, Italy, April 21–24, 1992.
35. *Semantica categoriale per la logica lineare*, I Workshop di Logica Lineare, Pontignano, Italy, January 10–12, 1992.

#### COMMUNITY OUTREACH

*Participation in the debate on the promotion of gender equality in science:*

1. *Women in science: Personal experiences and general considerations by a logician in Helsinki*, Invited lecture for the “Women in Computability” workshop affiliated to the CiE 2010.
2. Interview for the special issue, dedicated to the theme of women in science, of the Cosmos magazine of the Humboldt Foundation, no. 94/2009.

#### LANGUAGE SKILLS

Italian - mother tongue; English - excellent; Finnish - very good; Swedish and German - basic; ability to read French, Spanish, Portuguese.

#### ACADEMIC MEMBERSHIPS

AILA (Associazione Italiana di Logica e sue Applicazioni); ASL (Association for Symbolic Logic); SILFS (Società Italiana di Logica e Filosofia della Scienza), board member; Scandinavian Logic Society, board member.

#### POSITIONS OF TRUST IN THE SCIENTIFIC COMMUNITY

2014– Member of the governing board of the Italian Society for Logic and Philosophy of Science.

2012– Member of the executive committee of the Scandinavian Logic Society.

#### DUTIES AS A SCIENTIFIC EXPERT

**Refereeing for Journals:** Journal of Logic and Computation, Studia Logica, The Journal of Symbolic Logic, Notre Dame Journal of Formal Logic, Logic Journal IGPL, Logical Methods in Computer Science, Synthese, Theoretical Computer Science, Archive for Mathematical Logic, Annals of Pure and Applied Logic, The Review of Symbolic Logic, Logica Universalis, Journal of Philosophical Logic, Information Processing Letters, Fundamenta Informaticae, Note di Matematica, The Bulletin of Symbolic Logic, Mathematical Logic Quarterly, Erkenntnis, Bulletin of the European Association for Theoretical Computer Science, APhEx (Portale Italiano di Filosofia Analitica).

**Refereeing for International Conferences:** Types Working Group Annual Meeting (since 1996), Tableaux Conferences (since 1998), Reuniting the Antipodes - Constructive and Non-Standard Views of the Continuum (Venice, 1999), World Congress on Paraconsistent Logic, LPAR 2001, From Sets and Types to Topology and Analysis (Venice 2003), 17th International Conference on Rewriting Techniques and Applications (RTA'06), Computability in Europe (CiE) 2006, Advances in Modal Logic (AiML) 2006, Logical Methods in Computer Science, Wollic 2007, LFCS 09, PECP 2010, FoSSaCS-2012, MFPS 2012, Filosofia della matematica: dalla logica alla pratica (SNS Pisa, 2012), Workshop on Intensionality in Mathematics (Lund 2013), ICLA 2013, Tableaux 2013, CiE 2014, ECAP 8 (European Conference of Analytic Philosophy, 2014).

**Reviewer** for Mathematical Reviews since 2002.

#### Appointments as opponent or member of examination boards:

1. Member of the examination board for the PhD thesis of Inkeri Koskinen, 2015, University of Helsinki.
2. Committee member for the PhD thesis of A. Naibo, École Doctorale de Philosophie, Université Paris 1 Panthéon-Sorbonne, November 2013 (supervisor Prof. Jean-Baptiste Joinet).
3. Committee member for the PhD thesis of D. Rönndal, Dept. of Philosophy, University of Stockholm, December 2012 (supervisors Prof. P. Needham and L. Åqvist).
4. Committee member for the PhD thesis of A. Hedin, Dept. of Mathematics, University of Uppsala, 2011 (supervisor Prof. E. Palmgren).
5. Committee member for the docentship in Theoretical Philosophy at the University of Helsinki of Dr. T. Knuuttila, 2009.

6. Committee member for the PhD thesis of F. Dahlgren, Dept. of Mathematics, University of Uppsala, 2007 (supervisor Prof. V. Stoltenberg-Hansen).
7. Opponent for the PhD thesis of J. Brage, Dept. of Mathematics, University of Stockholm, 2006 (supervisor Prof. P. Martin-Löf).
8. Member of the examination board for the PhD thesis of T. Tulenheimo, 2004 (joint thesis in mathematics and philosophy, supervisors Dr. T. Hyttinen and Prof. G. Sandu).

**Project evaluations:** Scientific expert for the evaluation of research projects for the following funding bodies:

1. Deutsche Forschungsgemeinschaft (DFG), 2015.
2. French National Research Agency (ANR), 2015.
3. Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO, 2012.
4. Netherlands Organisation for Scientific Research, NWO, 2012.
5. ERC Starting Grants, 2011.
6. Austrian Science Foundation, 2010, 2011, 2014.

**Research assessment exercises:** Referee for the Evaluation of Research Quality exercise of Italian universities (VQR 2004–2010, 2011–2014).

**Expert’s report for international prizes:** Ackermann award (Outstanding Dissertation Award for Logic in Computer Science).

#### ORGANIZATION OF INTERNATIONAL MEETINGS:

1. AiML 2016, PC member.
2. Non-Classical Logics. Theory and Applications, 2016, Lodz, Poland, PC Member.
3. IJCAR 2016, PC member.
4. Modalities, Conditionals, and Values: A Symposium on Philosophical Logic in Celebration of the Centenary of Georg Henrik von Wright, University of Helsinki, 2016, Main organizer.
5. CLMPS affiliated meeting: Proof theory of modal and non-classical logics, Main organizer.
6. Tableaux 2015, PC member.
7. Proof Structure and Computation (workshop, Vienna Summer of Logic 2014), PC Member.

8. LORI-V, PC member.
9. WoLLIC 2014, PC member.
10. 9th Scandinavian Logic Symposium, August 2014, co-chair.
11. CiE (Computability in Europe) 2014, PC member.
12. 8th Scandinavian Logic Symposium, August 2012, PC Member.
13. Pisa Summer Workshop on Proof Theory, June 2012, Organizer and PC member.
14. Workshop on Proof Theory and Constructivism, Helsinki, March 2012, Main organizer.
15. History and Philosophy of Computing, Ghent, 2011, PC member.
16. Type theory, proof theory, and rewriting, Paris 2007, PC member.