

ALLEGATO A

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di valutazione per la chiamata a professore di I fascia da ricoprire ai sensi dell'art. 24, comma 6, della Legge n. 240/2010 per il settore concorsuale 11/C2 - Logica, Storia e Filosofia della Scienza (settore scientifico-disciplinare M-FIL/02 - Logica e Filosofia della Scienza) presso il Dipartimento di FILOSOFIA "PIERO MARTINETTI", Codice concorso 5505

GIUSEPPE PRIMIERO CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	PRIMIERO
NOME	GIUSEPPE
DATA DI NASCITA	12, DICEMBRE, 1978

TITOLI

TITOLO DI STUDIO

(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)

22 Luglio 2004 - Master of Arts in Philosophy, Faculty of Philosophy, Rijkse Universiteit Leiden, Nederland. 8/10.

18 Dicembre 2001 - Laurea in Filosofia, Università degli Studi di Palermo, Italia, 110/110 con lode.

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire titolo, ente, data di conseguimento, ecc.)

26 Gennaio 2006 - Dottore di Ricerca in Filosofia (CICLO XVII), Università degli Studi di Palermo. Dissertazione finale: "Information and Knowledge - A Constructive Approach to the Philosophy of Information and a Solution to the Problem of Analyticity".

ALTRI TITOLI CONSEGUITI

(inserire titolo, ente, data di conseguimento, ecc.)

12 Maggio 2020 - Abilitazione a Professore I Fascia, Settore Concorsuale 11/C2, Logica Storia e Filosofia della Scienza, ASN-ANVUR.

09 Dicembre 2014 - Postgraduate Certificate in Higher Education (Master), Middlesex University London (UK).

30 Settembre 2011 - Qualifica Area Scientifica A.2 "Scienze Informatiche e Ingegneria dell'Informazione", Consiglio Nazionale delle Ricerche (IT).

ATTIVITÀ DIDATTICA

INSEGNAMENTI E MODULI

(inserire anno accademico, corso laurea, numero di ore frontali, eventuale CFU)

2023-2024 Logics for AI, Master's Degree in Human-Centered AI, University of Milan-Milano Bicocca-Pavia, 48h, 6CFU

2023-2024 Logic of Computation and Information, MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 60 ORE, 9 CFU.

2023-2024 Logica, Laurea Triennale in Filosofia, Università degli Studi di Milano (IT). 60 ORE, 9 CFU.

2022-2023 Logic of Computation and Information, MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 60 ORE, 9 CFU.

2022-2023 Logica, Laurea Triennale in Filosofia, Università degli Studi di Milano (IT). 60 ORE, 9 CFU.

2021-2022 Logic of Computation and Information, MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 60 ORE, 9 CFU.

2021-2022 Logica, Laurea Triennale in Filosofia, Università degli Studi di Milano (IT). 60 ORE, 9 CFU.

2020-2021 Logical Methods (con Marcello D'Agostino and Hykel Hosni), MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 20 ORE, 3 CFU (di 9)

2020-2021 Logic of Computation and Information, MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 60 ORE, 9 CFU.

2019-2020 Philosophy of Computation and Information, MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 60 ORE, 9 CFU.

2018-2019 Philosophy of Computation and Information, MA in Philosophical Sciences, Curriculum Reasoning Analysis and Modelling, University of Milan (IT). 60 ORE, 9 CFU.

2020-2021 Logica, Laurea Triennale in Filosofia, Università degli Studi di Milano (IT). 60 ORE, 9 CFU.

2019-2020 Logica, Laurea Triennale in Filosofia, Università degli Studi di Milano (IT). 60 ORE, 9 CFU.

2018-2019 Logica, Laurea Triennale in Filosofia, Università degli Studi di Milano (IT). 60 ORE, 9 CFU.

2015-2018 History and Philosophy of Computing (Module Leader), BSc Computer Science, Middlesex University London, 72 ORE, 15CFU.

2013-2018 Programming and Mathematical Foundations, BSc Computer Science, Middlesex University London, 60 ORE, 9CFU.

2014-2015 Software Development: Java, BSc Computer Science, Middlesex University London, 72 ORE, 15CFU.

2013-2014 Databases: Design and Online, BSc Computer Science, Middlesex University London (UK), 72 ORE, 15CFU.

2012-2014 Fuzzy Sets and Approximate Reasoning, Postgraduate Studies in Logic, Philosophy and History of Science, Ghent University (BE). 30 ORE, 6 CFU.

2007-2012 Survey of Philosophy of Mathematics, Postgraduate Studies in Logic, Philosophy and History of Science, Ghent University (BE). 30 ORE, 6 CFU.

2002-2006 Laboratorio di Logica, Laurea Triennale in Filosofia e Scienze Etiche, Università degli Studi di Palermo (IT), 15 ORE, 3CFU.

ATTIVITÀ DI DIDATTICA INTEGRATIVA E DI SERVIZIO AGLI STUDENTI

ATTIVITÀ DI RELATORE DI ELABORATI DI LAUREA, DI TESI DI LAUREA MAGISTRALE, DI TESI DI DOTTORATO E DI TESI DI SPECIALIZZAZIONE

(inserire anno accademico, ateneo, corso laurea, ecc.)

Relatore Tesi di Dottorato

2022-25 Francesca Doneda, PhD in Human Mind and its Explanations, University of Milan

2022-25 Chiara Manganini, PhD in Human Mind and its Explanations, University of Milan

2020-23 Alberto Termine, PhD in Philosophy, University of Milan

2016-20 Elisabetta Mori, PhD in History of Computing, Middlesex University London

Relatore Tesi di Laurea Magistrale in Philosophical Sciences (UNIMI)

Anno Accademico 2023-2024

Alison Bifolco: Verifiable Trustworthiness for Partially Opaque Rule-based Systems

Elena Bastia: Morphogenesis - Complex Systems Modeling within the Debate on the Structure of Evolutionary Theory

Sabina Marchesini Reggiani: Collective Action in Logic: an Action-Based BDI Logic

Edoardo Menorello (LM): Genealogy of judgments, a type-theoretical perspective on transcendental logic.

Francesca Serio (LM): On the Logic of Perception

Savina Squarciotta (LM): Big Data e Machine Learning in Informatica Commerciale

Anno Accademico 2022-2023

Alessandro Giuseppe Buda (LM): Introducing Pragmatic Aspects in a Theory of Computational Artifacts

Lorenzo Tisconi (LM): Le formalizzazioni della Tesi di Church-Turing

Anno Accademico 2021-2022

Giovanni Buraglio (LM): Persuasive communication in Formal Argumentation Theory with preference orderings

Marco Larotonda (LM): A depth-bounded logic for becoming informed

Camilla Quaresmini (LM): A Taxonomy of Bias in Machine Learning

Anno Accademico 2020-2021

Francesca Doneda (LM): Bias and Trustworthiness in Computational Fact-Checking

Marco Cavarretta (LM): L'epistemologia delle simulazioni dei fenomeni climatici

Giada Tamburrino (LM): Causality, Probability and AI

Lorenzo Prandi (LM): Distrust with Paranoid Agents

Giorgio Cignarale (LM): A formal model for genetically non-neutral information with inferential depth

Andr  Velasquez Huillcas (LM): Tecniche di Interpretazione in Machine Learning

Relatore Tesi di Laurea Triennale in Filosofia (UNIMI)**Anno Accademico 2023-2024**

Matteo Mercuri: Input/Output Logic: a Norm-based Solution to Classical Deontic Logic Problems

Rachele Gandini: Logica Deontica e Ragionamento Morale per IA

Isotta Cereda: Sulle Logiche Paraconsistenti

Sofia Elisa Teresa Beccaria: Ingiustizia Epistemica e IA

Anno Accademico 2022-2023

Davide Leonardi: Bias nei sistemi di recruiting basati su IA

Giordano Matteo: Indeterminismo e verifica. Applicazioni delle logiche temporali.

Anno Accademico 2021-2022

Marta Reguzzoni: e-Trust and Trustworthiness in supervised and unsupervised environments

Anno Accademico 2020-2021

Elena Bastia: Epistemic Logic and Awareness

Alessandro Giuseppe Buda: Gli artefatti computazionali come oggetti linguistici: un approccio pragmatico

Anno Accademico 2019-2020

Dimitri Piaggese: Automi Cellulari e Computazione

Tommaso Bichi: Dal caso all'algoritmo

Anno Accademico 2018-2019

Andrea Talarico: Il test di Turing tra passato e presente: Critiche e cambiamenti alle regole dell'Imitation Game

Anno Accademico 2017-2018

Sana Afsar, Developing an understanding of the History of Internet Protocols, BSc in Computing, Middlesex University London, UK.

Frida Solheim, Improving the Methodology of Malware Classification with a mechanistic Approach, BSc in Computing, Middlesex University London, UK.

Manfedi Martorana, Simulation of a Trust and Reputation Based Mitigation Protocol for a Black Hole Style Attack on VANETs, BSc in Computing, Middlesex University London, UK.

Anno Accademico 2016-2017

Rabia Arif, MSc in Business Information Systems, David Caminer Scholarship in the History of Computing, Middlesex University London.

Luca Battistelli, Justified Decision Making in Swarm Robotics: Logic, Simulation and Implementation, BSc in Computing, Middlesex University London, UK.

Manuel Bernardo, My FaceTime App, BSc in Computing, Middlesex University London, UK.

Michal Modzelewski, Android Security, BSc in Computing, Middlesex University London, UK.

Muhammad Ahmar Adnan, Banking Database, BSc in Information Systems, Middlesex University London, UK.

Steven Grey, Online Security and Digital Illiteracy, BSc in Information Systems, Middlesex University London, UK.

Ugne Mikenaitė, Artificial Creativity using Google Deep Dream, BSc in Information Systems, Middlesex University London, UK.

Anno Accademico 2011-2012

Liesbeth Martens: Formal Approaches to Indexicals - Indexicality and Vagueness, Master Dissertation, Postgraduate Studies in Logic, History and Philosophy of Science, Ghent University.

ATTIVITÀ DI TUTORATO DEGLI STUDENTI DI CORSI DI LAUREA E DI LAUREA MAGISTRALE E DI TUTORATO DI DOTTORANDI DI RICERCA

(inserire anno accademico, corso laurea, ecc.)

Tutorato di dottorandi di ricerca

- 2022-25 Francesca Doneda, PhD in Human Mind and its Explanations, University of Milan
- 2022-25 Chiara Manganini, PhD in Human Mind and its Explanations, University of Milan
- 2020-23 Alberto Termine, PhD in Philosophy, University of Milan
- 2019 Supervisione Visiting PhD Student Michal Fait, Department of Computer Science, VSB-Technical University of Ostrava, Czech Republic
- 2016-20 Elisabetta Mori, PhD in History of Computing, Middlesex University London

Adesione a collegi di dottorato

Titolo: "MENTE, CERVELLO & RAGIONAMENTO", UNIMI

- Anno accademico: 2023/2024
- 4 Anno accademico: 2022/2023
- Anno accademico: 2021/2022
- Anno accademico: 2020/2021

Titolo: "FILOSOFIA E SCIENZE DELL'UOMO", UNIMI

- Anno accademico: 2019/20
- Anno accademico: 2018/19 (Commissione di selezione)

Titolo: “PhD in Computer Science”, Middlesex University London
• Dall’Anno accademico: 2013/14 fino all’Anno Accademico 2017/2018

SEMINARI

(inserire titolo del seminario, luogo, data, ecc.)

01/03/2024: Invited Talk at Commissione Matematica della Svizzera Italiana. Title: Da Pascal al Pascal.

11/01/2024: Invited Talk at Chair of Theory of Science and Technology/ Computational Science Study Lab at RWTH Aachen University. Title: Trustworthiness Ranking with Uncertain Information

15/12/2023: Invited Talk at Special Session on Trustworthy AI, AISC Conference, Genova. Title: The Role of Formal Verification in Trustworthy AI

23/11/2023: Invited Talk at Conference “Artificial Intelligence: Ethics, Law and Governance”. University of Milan. Title: Verifica e Validità: criteri formali per una AI più giusta e affidabile

12/11/2023: Invited Talk, Festival delle Filosofie, Palermo (IT). Title: Metodi per una IA più equa (ed alcune semplici considerazioni filosofiche).

19/10/2023: Invited talk at International Conference on the History and Philosophy of Computing, Warsaw (PL). Title: On the past and the future of (HaPo)Computing

06/09/2023: Invited Talk at Symposium on Epistemological Perspectives on Neural Language Models, Triennial SILFS Conference, Urbino, Italy. Title: Validity Criteria for Machine Learning Models

03/09/2023: Invited Talk at GRID Workshop, KR2023, Rodi, Grecia, Title: Trustworthiness Ranking with Uncertain Information

28/07/2023: Invited Talk at Symposium on Philosophy of Science for Machine Learning, CLMPST 2023, Buenos Aires Argentina. Title: Validity Criteria for Machine Learning Models

30/05/2023: Invited Talk at event Building Bridges through Multidisciplinary Cooperation: Perspective Approaches for Inclusive Artificial Intelligence, University of Milan. Title: “Logics for Fair AI”

17/05/2023: Invited Talk at Workshop “Responsible Agency in AI”, University in Amsterdam. Title: Trustworthy AI: probabilities meet possible worlds

28/04/2023: Invited Talk at Special Session on Data Ethics at the Statistics for Data Science and Artificial Intelligence Conference, University of Pavia. Title: “Logics for Fair AI”

06/04/2023: Invited Talk at ASL-APA Meeting, San Francisco, Title: “Logics for Fair AI”

10/03/2023: Invited Talk at 1st International Meeting on Robo-ethics and Philosophy between Italy and Japan, Milan. Title: “Logics for Fair AI”

14/10/2022: Invited Talk at Kube Partners Inc.
Title: Bias in AI Systems

26/09/2022: Invited Talk at Turing’s Center Lecture’s Series, ETH Zuerich.
Title: Computing in Perspective

04/11/2021: Invited Talk at Logic and Interactive Rationality Seminars, University of Amsterdam.
Title: A Typed Natural Deduction System to verify Trustworthiness of Probabilistic Computations

06/10/2021: Invited Talk at Synergia Seminar Series, University of Urbino.
Title: A Typed Natural Deduction System to verify Trustworthiness of Probabilistic Computations

AA 2020-2021 Master in Competenze Filosofiche per le Decisioni Economiche, Università Cattolica del Sacro Cuore, Milano Ciclo di Seminari: Dati, Algoritmi, Sistemi in AI

18/06/2021 Invited Talk Conference on Trust in AI System, Polytechnic University of Warsaw Poland:
Title: Logics for Trustworthy AI

06/12/2019 Invited Lecture, Conference “Complexity, Interconnectivity and Resilience” Department of Philosophy and Communication Studies, University of Bologna.
Title: Value-Sensitive Co-Design for Resilient Information Systems

12/09/2019 Invited Talk, Workshop Assertion and Proof, Università del Salento, Lecce, Italy.
Title: A Polymorphic typed deduction system for reasoning in and across contexts.

13/06/2019 Invited Talk, Formalisation vs. Meaning in Mathematics: Formal theories as tools for understanding Themes from the work of Göran Sundholm. IHPST Paris, France.
Title: From Proof to Designs.

18-22/11/2019 Warsaw University of Technology, Poland.
Ciclo di Seminari: On the Foundations of Computing

04-18/05/2017 Dipartimento Studi Umanistici, Università di Sassari, Italia.
Ciclo di Seminari: Information, Computations and Errors

02-06/05/2016 Dipartimento di Elettronica, Informazione e Bioingegneria, Politecnico di Milano, Italia.
Ciclo di Seminari: Analisi formali delle Simulazioni

04-07/05/2015 Computer Science Department, Stockholm University, Sweden.
Ciclo di Seminari: Information and Computation

22/11/2018 Invited Talk, Workshop on PHILOSOPHY AND TECHNOLOGIES FOR SIMULATION, Politecnico di Milano, Italy. Title: Isomorphisms and Variants of Simulationism for the Artificial Sciences.

28/09/2017 Invited Lecture Summer School on Computer Simulation Methods, High Performance Computing Center, Stuttgart Title: Agent-based Simulation: An Epistemological Analysis from Study Cases

21/07/2017 Invited Lecture, 2nd CLE Colloquium for Philosophy and History of Formal Sciences “Logic and Computing”, UNICAMP, Brazil. Title: Modal Types for failing communications.

25/05/2017 Invited Lecture, Department of Pedagogy, Psychology, Philosophy, University of Cagliari.
Title: Modal Types for failing communications.

10/06/2016 Invited Talk, Workshop Type Theory and Philosophy, Kent University.
Title: (Versions of) Modal Type Theory

10/03/2016 Invited Talk, Conference Artificial Intelligence and Contemporary Society: The Role of Information, Universidad de La Coruna, Spain. Title: Algorithmic Iteration for Computational Intelligence

24/02/2016 Invited Talk, Logic Seminar, University of Leeds

12/03/2015 Invited Talk Seminar on the History and Philosophy of Computing, IHPST, Paris, France.
Title: Computer Science as Abstraction and Control

26/07/2014 Invited Talk, Ludics Workshop, Università Roma 3.
Title: A Resource Access Interpretation of Ludics

10-12/05/2012 Invited Talk at IV Workshop in the Philosophy of Information. University of Hertfordshire, UK.

09/02/2012 Invited talk at Scientific Programme “Semantics and Syntax: a Legacy of

Alan Turing, Newton Institute, Cambridge, UK. Talk: "Practical Reasoning with Proofs and Types".

01/2012 Invited Lecture at ISLA 2011 Workshop on Logics for Interactive Computation, 4th Indian School on Logic and its Applications, Manipal University, India. Talk: "Modal Types for Interactive Computing".

23-25/11/2011 Invited Lecture at International Conference Truth-Makers and Proof-Objects, Organised by Per Martin-Löf, Ecole Normal Supérieure, Paris (FR). Talk: "Modes of Truth, Ways of Knowing".

31/05/2011 Invited Talk at Computational Logic Seminar, Graduate Center City University of New York (US). Talk: "Making Dependent Evidence Explicit in Justification Logic".

05-12/04/2011 Invited Talks at Computational Logic Seminar, Graduate Center City University of New York (US).

Talk 1: "A type system with modalities for safe distributed computing".

Talk 2: "A type system with modalities for safe distributed computing II: Procedural Semantics".

8/06/2010 Invited Lecture, Second IEG-Conceptual Marathon, New College & Oxford e-Research Centre, Oxford (UK). Talk: "Upgrading Functional Information".

20-21/05/2010 Invited Lecture at Second International Workshop on the Philosophy of Information, Ankara (Turkey). Talk: "A prioritized multi-modal type theory for formalizing trusted communication."

03/12/2009 Invited Lecture at Hypo Project, IHPST, Paris (France).

Talk: "A modal type theory for constructive reasoning with open assumptions".

02/10/2009 Invited Lecture at Logic Seminar - Philosophy Department, University of Helsinki (Finland). Talk: "From epistemic possibilities to constructive reasoning with open assumptions".

1-2/09/2008 Young Researcher Days Workshop, Belgian Society for Logic and Philosophy of Science, Brussel. Talk: "Constructive Modalities for Information".

19/11/2007 Invited Talk at Philosophy Department TU-Delft, the Netherlands. Talk: "Interacting Beliefs".

3-4/11/2007 Invited Talk at First Workshop on the Philosophy of Information and Logic, Philosophy Centre, University of Oxford. Talk: "Becoming Informed: the Constructive Perspective".

10 December 2006 Invited Talk at Centre for Logic and Philosophy of Science, Ghent University. Talk: "Dynamics and Information for Constructive Logics".

ATTIVITÀ DI RICERCA SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

MONOGRAFIE

9. Giuseppe Primiero, *On the Foundations of Computing*, Oxford University Press, 2019.
<https://doi.org/10.1093/oso/9780198835646.001.0001>

G. Primiero, *Information and Knowledge - A constructive Type-Theoretical Approach*, vol.10 Series Logic, Epistemology and the Unity of Science, Springer, 2008.

G. Rotolo, G. Primiero, *Dall'artificiale al vivente - Una storia naturale dei concetti*, POLIMETRICA, International Scientific Publisher, 2005.

CURATELE

Guido Boella, Fabio Aurelio D'Asaro, Abeer Dyoub, Laura Gorrieri, Francesca A. Lisi, Chiara Manganini, Giuseppe Primiero (eds.). *Proceedings of the 2nd Workshop on Bias, Ethical AI, Explainability and the role of Logic and Logic Programming co-located with the 22nd International Conference of the Italian Association for Artificial Intelligence (AI*IA 2023)*, Rome, Italy, November 6, 2023. CEUR Workshop Proceedings 3615, CEUR-WS.org 2023

Guido Boella, Fabio Aurelio D'Asaro, Abeer Dyoub, Giuseppe Primiero (eds.). *Proceedings of 1st Workshop on Bias, Ethical AI, Explainability and the Role of Logic and Logic Programming (BEWARE 2022) co-located with the 21th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2022)*, Udine, Italy, December 2, 2022. CEUR Workshop Proceedings 3319, CEUR-WS.org

Manea, F., Martin, B., Paulusma, D., Primiero, G. (Eds.), *Computing with Foresight and Industry*, 15th Conference on Computability in Europe, CiE 2019, Durham, UK, July 15-19, 2019, *Proceedings*, vol. 11558 (2019).

L. de Mol, G. Primiero (eds.), *Reflections on Programming Systems - Historical and Philosophical Aspects*, Philosophical Studies Series, Springer, 2018.

L. de Mol, G. Primiero (eds.), *Logical Issues in the History and Philosophy of Computing*, *History & Philosophy of Logic*, vol.36, Issue 3, 2015.

L. de Mol, G. Primiero (eds.), *Trends in the History and Philosophy of Computing*, *Philosophy & Technology*, vol. 27, Issue 3, 2014.

P. Allo, G. Primiero (eds.), *Third Workshop in the Philosophy of Information. Selected Contributions*, *Logique & Analyse*, vo. 57, No. 226, 2014.

L. de Mol, G. Primiero (eds.), *Proceedings of the Symposium on History and Philosophy of Programming*, AISB/IACAP Congress 2012, ISBN 978-1-908187-17-8.

Rahman, G. Primiero, M. Marion (eds.), *The Realism-Antirealism Debate in the Age of Alternative Logics*, vol.23, Series Logic and the Unity of Science, Springer, 2011.

G. Primiero, S. Rahman (eds.), *Acts of Knowledge - History, Philosophy and Logic*, College Publications, 2009.

G. Primiero, G. Rotolo (eds.) *Mappe Concettuali Territori Cognitivi - I Workshop di Studi Filosofici - Biblioteca Tematica 'Potere e Sapere' - Annali della Facoltà di Lettere e Filosofia - Università degli Studi di Palermo - Serie Studi e Ricerche 42*, 2004.

ARTICOLI IN RIVISTE PEER-REVIEWED

G. Primiero, D. Ceolin & F. Doneda (2023) *A computational model for assessing experts' trustworthiness*, *Journal of Experimental & Theoretical Artificial Intelligence*, DOI: 10.1080/0952813X.2023.2183272

- AG Buda, G Primiero, A Pragmatic Theory of Computational Artefacts, Minds & Machines, (2023). <https://doi.org/10.1007/s11023-023-09650-0>
- Primiero, G. On the Foundations of Computing: Limits and Open Issues. glob. Philosophy 33, 37 (2023). <https://doi.org/10.1007/s10516-023-09688-w>
- Nicola Angius, Giuseppe Primiero, Copying safety and liveness properties of computational artefacts, Journal of Logic and Computation, Volume 33, Issue 5, July 2023, Pages 1089-1117, <https://doi.org/10.1093/logcom/exac053>
- Termine, A., Antonucci, A., Primiero, G. et al. Imprecise Probabilistic Model Checking for Stochastic Multi-agent Systems. SN COMPUT. SCI. 4, 443 (2023). <https://doi.org/10.1007/s42979-023-01817-x>
- Davide Ceolin, Giuseppe Primiero, Michael Soprano, Jan Wielemaker. Transparent assessment of information quality of online reviews using formal argumentation theory. Inf. Syst. 110: 102107 (2022)
- Lorenzo Prandi, Giuseppe Primiero, A logic for biased information diffusion by paranoid agents in social networks, Journal of Logic and Computation, Volume 32, Issue 6, September 2022, Pages 1292-1315, <https://doi.org/10.1093/logcom/exac020>
- Giuseppe Primiero, Marija Slavkovik, Sonja Smets. Netreason: Reasoning about social networks. J. Log. Comput. 32(6): 1015-1016 (2022)
- Primiero, G., Raimondi, F. & Chen, T. A theory of change for prioritised resilient and evolvable software systems. Synthese 198 (Suppl 23), 5719-5744 (2021). <https://doi.org/10.1007/s11229-019-02305-7>
- M. Fait, G. Primiero, HTLC: Hyperintensional Typed Lambda Calculus, JOURNAL OF APPLIED LOGICS. - ISSN 2631-9810. - 8:2(2021), pp. 469-495.
- Primiero, G., Barn, B., & Barn, R. (2020). Value-Sensitive Co-Design for Resilient Information Systems, Studies in Logic, Grammar and Rhetoric, 63(1), 141-164. doi: <https://doi.org/10.2478/slgr-2020-0032>
- L.Prandi, G.Primiero, Effects of misinformation diffusion during a pandemic. Appl Netw Sci 5, 82 (2020). <https://doi.org/10.1007/s41109-020-00327-6>
- G. Primiero (2020) A logic of negative trust, Journal of Applied Non-Classical Logics, 30:3, 193-222, DOI: 10.1080/11663081.2020.1789404
- Giuseppe Primiero, A logic of efficient and optimal designs, Journal of Logic and Computation, Volume 29, Issue 6, October 2019, Pages 947-968, <https://doi.org/10.1093/logcom/exz014>
- G.Primiero, Design, Malfunction, Validity: Three More Tasks for the Philosophy of Computing, Philosophy & Technology, <https://doi.org/10.1007/s13347-019-00367-6> <https://rdcu.be/bKM16>
- Angius, N. & G. Primiero, Infringing Software Property Rights: Ontological, Methodological, and Ethical Questions. Philosophy & Technology, 2019. <https://rdcu.be/bGlxr> <https://doi.org/10.1007/s13347-019-00358-7>
- G. Primiero, A Minimalist Epistemology for Agent-Based Simulations in the Artificial Sciences, Minds & Machines. (2019). <https://doi.org/10.1007/s11023-019-09489-4>
- Primiero, G., Solheim, F.J. & Spring, J.M., On Malfunction, Mechanisms and Malware Classification, vol. 32:2, pp. 339-362, Philosophy & Technology. (2018). <https://doi.org/10.1007/s13347-018-0334-2>
- (with J. Boender) Negative trust for conflict resolution in software management, Journal of Web Intelligence, vol. 16, no. 4, pp. 251-271, (2018). DOI: 10.3233/WEB-180393.

Nicola Angius, Giuseppe Primiero, The logic of identity and copy for computational artefacts, Journal of Logic and Computation, Volume 28, Issue 6, September 2018, Pages 1293-1322, <https://doi.org/10.1093/logcom/exy012>

(with M. Bottone, F. Raimondi, J. Tagliabue) Trust and Distrust in Contradictory Information Transmission. Applied Network Science, 2:12. DOI: 10.1007/s41109-017-0029-0 (2017).

Primiero, G. Algorithmic iteration for computational intelligence. Minds & Machines. doi:10.1007/s11023-017-9423-8 (2017).

12. Chen, T., Primiero, G., Raimondi, F. et al. A Computationally Grounded, Weighted Doxastic Logic. Stud Logica 104, 679-703 (2016). <https://doi.org/10.1007/s11225-015-9621-4>

(with L. Kosolosky), The Semantics of Untrustworthiness. Topoi, vol. 35(1), pp.253-255, 2016. DOI:10.1007/s11245-013-9227-2.

(with L. De Mol), When Logic Meets Engineering: Introduction to Logical Issues in the History and Philosophy of Computer Science. History & Philosophy of Logic, vol. 36(3), pp. 195-204 (2015).

(with L. Floridi, N. Fresco), On malfunctioning software. Synthese, vol. 192, pp. 1199-1220 (2015).

(with L. De Mol), Facing Computing as Technique: Towards a History and Philosophy of Computing. Philosophy & Technology, vol. 27(3), pp. 321-326 (2014).

On The Ontology of the Computing Process and the Epistemology of the Computed. Philosophy & Technology, vol. 27(3), pp. 485-489 (2014).

(with K. Pouliasis), J-Calc: A typed lambda-calculus for intuitionistic justification logic. Electronic Notes in Theoretical Computer Science, vol. 300, pp. 71-87, 2014. <http://dx.doi.org/10.1016/j.entcs.2013.12.012>.

Honesty, Competence and Trust for System Design, Philosophy & Technology, vol. 26(4), pp.431-435, 2013. DOI: 10.1007/s13347-013-0116-9.

(with N. Fresco), Miscomputation, Philosophy & Technology, vol. 26(3), pp.253-272, 2013. DOI: 10.1007/s13347-013-0112-0.

A taxonomy of errors for information systems, Minds & Machines, Volume 24, Issue 3 (2014), Page 249-273. DOI:10.1007/s11023-013-9307-5.

Offline and Online Data: on upgrading information to knowledge, Philosophical Studies, vol. 164, Issue 2, pp. 371-392, 2013. DOI: 10.1007/s11098-012-9860-4.

(with M. Taddeo), A modal type theory for formalizing trusted communications, Journal of Applied Logic, vol. 10, issue 1, 2011. DOI: 10.1016/j.jal.2011.12.002, 2011.

A contextual type theory with judgemental modalities for reasoning from open assumptions, Logique & Analyse, vol. 220: 579-600, 2012.

Proceeding in Abstraction. From concepts to types and the recent perspective on information, History and Philosophy of Logic, 30:3, pp.257-282, 2009.

An Epistemic Logic for Becoming Informed, Synthese, 167:2, pp.363-389, 2009.

(with J. Meheus), Majority Merging by Adaptive Counting, Synthese, 165:2, pp.203-223, 2008.

An Epistemic Constructive Definition of Information, Logique & Analyse, vol.50, n.200, pp. 391-416, 2007.

CONTRIBUTI A CONVEGNI E CAPITOLI (PEER-REVIEWED)

Chiara Manganini, Giuseppe Primiero. Reasoning With Bias. AEQUITAS@ECAI 2023

Greta Coraglia, Fabio Aurelio D'Asaro, Francesco Antonio Genco, Davide Giannuzzi, Davide Posillipo, Giuseppe Primiero, Christian Quaggio. BRIOxAlkemy: a Bias Detecting Tool. BEWARE@AI*IA 2023: 44-60

Mattia Petrolo, Ekaterina Kubyshkina, Giuseppe Primiero. A Logical Approach to Algorithmic Opacity. BEWARE@AI*IA 2023: 89-95.

Giuseppe Primiero, Fabio Aurelio D'Asaro. Proof-checking Bias in Labeling Methods. BEWARE@AI*IA 2022: 9-19

Marco Larotonda, Giuseppe Primiero. A Depth-Bounded Semantics for Becoming Informed. SEFM Workshops 2022: 366-382

Davide Ceolin, Giuseppe Primiero, Jan Wielemaker, Michael Soprano. Assessing the Quality of Online Reviews Using Formal Argumentation Theory. ICWE 2021: 71-87

Angius, Nicola, Giuseppe Primiero, and Raymond Turner, "The Philosophy of Computer Science", The Stanford Encyclopedia of Philosophy (Spring 2021 Edition), Edward N. Zalta (ed.), URL = <https://plato.stanford.edu/archives/spr2021/entries/computer-science/>.

Giorgio Cignarale, Giuseppe Primiero, A Multi-Agent Depth Bounded Boolean Logic. SEFM 2020: 176-191

Davide Ceolin, Giuseppe Primiero, A Granular Approach to Source Trustworthiness for Negative Trust Assessment. In: Meng W., Cofta P., Jensen C., Grandison T. (eds) Trust Management XIII. IFIPTM 2019. IFIP Advances in Information and Communication Technology, vol 563. Springer, Cham https://doi.org/10.1007/978-3-030-33716-2_9

Giuseppe Primiero, Elio Tuci, Jacopo Tagliabue, Eliseo Ferrante: Swarm Attack: A Self-organized Model to Recover from Malicious Communication Manipulation in a Swarm of Simple Simulated Agents. ANTS Conference 2018: 213-224.

(with K. Androutsopoulos, L. Aristodemou, J. Boender, M. Bottone, E. Currie, I. El-Aroussi, B. Fields, L. Gheri, N. Gorogiannis, M. Heeney, M. Micheletti, M. Loomes, M. Margolis, M. Petridis, A. Piermarteri, F. Raimondi, N. Weldin), MIRTO: an Open-Source Robotic Platform for Education. ECSEE 2018, pp.55-62.

(with R. Arif, E. Mori), Validity and Correctness Before the OS: the Case of LEO I and LEO II. In: De Mol L., Primiero G. (eds) Reflections on Programming Systems. Philosophical Studies Series, vol 133. Springer, 2018.

(with A. Martorana and J. Tagliabue) Simulation of a Trust and Reputation based Mitigation Protocol for a Black Hole Style Attack on VANETs, in 2018 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW), pp.127-135, 2018. doi:10.1109/EuroSPW.2018.00025.

Michele Bottone, Franco Raimondi, Giuseppe Primiero: Multi-agent Based Simulations of Block-Free Distributed Ledgers. AINA Workshops 2018: 585-590.

(with P. Allo) Annotated Natural Deduction for Adaptive Reasoning, in Can Baskent & Thomas M. Ferguson (eds.), Graham Priest on Dialetheism and Paraconsistency, Outstanding Contributions in Logic, Springer, forthcoming, 2018.

(with T. Chen, F. Raimondi and R. Nagarajan) A Proof-theoretic Trust and Reputation Model for VANET, in 2017 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW), IEEE 2017, DOI:10.1109/EuroSPW.2017.64.

(with J. Boender), Managing Software Uninstall with Negative Trust. In Steghöfer, Jan-Philipp, Esfandiari, Babak (Eds.), Proceedings of the 11th IFIP WG 11.11 International Conference on Trust Management., IFIP AICT, vol. 505, pp. 79-93, Springer (2017).

(with M. Bottone, F. Raimondi and J. Tagliabue) Contradictory Information Flow in Networks with Trust and Distrust, in H. Cherifi, S. Gaito, W. Quattrociocchi, A. Sala (eds.), *Complex Networks and their Applications*, Studies in Computational Intelligence vol. 693, pp. 361-372, Springer, 2017.

(with J. Boender, E. Currie, M. Loomes, F. Raimondi) Teaching Functional Patterns through Robotic Applications. In Johan Jeuring, Jay McCarthy (eds.) *Proceedings of the 4th and 5th International Workshop on Trends in Functional Programming in Education*, TFPiE 2016. EPTCS 230, pp.17-29, 2016.

(with M. Bottone, F. Palumbo, F. Raimondi, R. Stocker) Implementing virtual pheromones in BDI robots using MQTT and Jason, 2016 IEEE 5th International Conference on Cloud Networking (CloudNet) *Proceedings*, pp.196-199, 2016.

(with M. Bottone, F. Raimondi, V. De Florio) A model for trustworthy orchestration in the Internet of Things, *IEEE Xplore Proceedings of the 12th International Conference on Intelligent Environments - IE'16*, DOI:10.1109/IE.2016.37, <http://ieeexplore.ieee.org/abstract/document/7723490/>, pp.171-174, 2016.

(with M. Bottone, F. Raimondi, N. Rungta) From Raw Data to Agent Perceptions for Simulation, Verification, and Monitoring. *Proceedings of the 5th Workshop on the Reliability of Intelligent Environments, Ambient Intelligence and Smart Environments Series*, IOS Press, pp.66-75, 2016.

Information in the Philosophy of Computer Science, in L. Floridi (ed.) *The Routledge Encyclopedia on the Philosophy of Information*, pp. 90-106, 2016.

A Calculus for Distrust and Mistrust, in Habib, S.M., Vassileva, J., Mauw, S., Muelhäuser, M. (Eds.), *Trust Management X - 10th IFIP WG 11.11 International Conference, IFIPTM 2016*, Darmstadt, Germany, July 18-22, 2016, *Proceedings, IFIP AICT 473*, pp. 183-190, Springer 2016.

(with J. Boender, F. Raimondi) Minimizing transitive trust threats in software management systems, in *Privacy, Security and Trust (PST)*, 2015 13th Annual Conference, DOI:10.1109/PST.2015.7232973, pp.191-198, 2015.

Realist consequence, epistemic inference, computational correctness, in A. Koslow, A. Buchsbaum (eds.) *The Road to Universal Logic*, *Studies in Universal Logic*, DOI 10.1007/978-3-319-15368-1 26, 2015.

(with F. Raimondi) Software Theory Change for resilient near-complete specifications, *Procedia Computer Science* Volume 52, Pages 988-995, 2015.

(with V. De Florio) A method for trustworthiness assessment based on fidelity in cyber and physical domains, *Procedia Computer Science*, Volume 52, Pages 996-1003, 2015.

(with B. Barn, R. Barn) An Approach to Early Evaluation of Informational Privacy Requirements, *ACM Symposium on Applied Computing 15*. 2015, Salamanca, Spain.
<http://dx.doi.org/10.1145/2695664.2695788>, 2015.

(with M. Bordoni, M. Bottone, B. Fields, N. Gorogiannis, M. Margolis, F. Raimondi) Towards Cyber-physical Systems as Services: The ASIP Protocol, 1st IEEE/ACM International Workshop on Software Engineering for Smart Cyber-Physical Systems, SEsCPS 2015, pp. 52-55, 2015.

(with C. Huyck, F. Raimondi) Programming the MIRTO robot with neurons. *Procedia Computer Science*. Volume 41, 2014, Pages 75-82 5th Annual International Conference on Biologically Inspired Cognitive Architectures, 2014 BIC.

(with Jaap Boender, Marieta Georgieva Ivanova, Florian Kammüller), *Modeling Human Behaviour with Higher Order Logic: Insider Threats* 4th Workshop on Socio-technical Aspects of Security and Trust, affiliated with Summer of Logic, Vienna 2014.

(with Franco Raimondi), A typed natural deduction calculus to reason about secure trust, *Proceedings IEEE 12th International Conference on Privacy, Security and Trust*, pp.379-382, 2014.

(with: K.Androutsopoulos, N. Gorogiannis, M. Loomes, M. Margolis, G. Primiero, F. Raimondi, P. Varsani, N. Weldin, A.Zivanovic), A Racket-Based Robot to Teach First-Year Computer Science, 7th European Lisp Symposium 2014.

(with F. Raimondi, N. Rungta) Model Checking Degrees of Belief in a System of Agents, AAMAS '14 Proceedings of the 2014 international conference on Autonomous agents and multi-agent systems, Pages 133-140, 2014.

Algorithmic Check of Standards for Information Quality Dimensions, in Floridi, L. and Illari, P. The Philosophy of Information Quality, Synthese Library, vol. 358, pp. 107-134, Springer, 2014. DOI: 10.1007/978-3-319-07121-3 7.

(with B. Jespersen), Alleged Assassins: Realist and constructivist semantics for modal modification, Lecture Notes in Artificial Intelligence, vol. 7758, pp. 94-114, 2013.

(with L. Martens), A formal approach to vague expressions with indexicals, Proceedings of the 9th Workshop on Logical Engineering of Natural Language Semantics, Japanese Society for Artificial Intelligence, pp.37-51, 2012.

Type-theoretical Dynamics, chapter 11, The Realism-Antirealism Debate in the Age of alternative Logics, vol. 23, Series "Logic, Epistemology and the Unity of Science", Springer, 2011.

(with B. Jespersen), Two type-theoretical approaches to privative modification, New Frontiers in Artificial Intelligence, Lecture Notes in Artificial Intelligence, vol. 6284, pp. 252-271, Springer. 2010.

A multi-modal dependent type theory for representing data accessibility in a network, Electronic Proceedings in Computing, vol.12 - A. Simpson (ed.), Proof Systems for Program Logics Workshop 2010, pp. 17-22, 2013 www.easychair.org/publications/?page=181914752.

Constructive contextual modal judgments for reasoning from open assumptions, in F. Ferreira, H. Guerra, E. Mayordomo, J. Rasga (eds), Proceedings of the Computability in Europe 2010 Conference - Proofs, Programs, Processes, Centre for Applied Mathematics and Information Technology, Department of Mathematics, University of Azores, pp. 336-345, 2010.

A constructive modal semantics for contextual verification (Short Paper), CEUR Proceedings of the 1st international Workshop on Logic-based Interpretations of Context: Applications and Modelling, Potsdam, Germany, vol. 550, pp.33-35, ISSN:1613-0073, 2009.

Epistemic Modalities, in Acts of Knowledge - History, Philosophy and Logic, (G. Primiero, S. Rahman, eds.), College Publications, pp.207-232, 2009.

Prioritized dynamic retraction function on non-monotonic information updates, in The Many Sides of Logic - Proceedings of the CLE Conference, Brazil 2008, pp.443-463, College Publication, London.

A note on constructive modalities for information, Proceedings of the Young Researchers Workshop in Logic, History and Philosophy of Science, Brussels, pp. 48-54, Contactfora published by Koninklijke Vlaamse Academie van België voor Wetenschappen en Kusten, 2008.

(with J. Meheus), Quasi-merging and Pure-arbitration on Information for the Family of Adaptive Logics ADM, Proceedings of the Workshop on Logic and Intelligent Interaction, ESSLLI 2008, pp. 21-30, 2008.

(with J. Meheus), Adaptive Arbitration by Variant Counting on Commutative Bases with Weights, Proceedings of the FUSION2008 International Conference, pp.1374-1380, 2008.

Belief Merging based on Adaptive Interaction, in A Meeting of the Minds, Proceedings of the Workshop on Logic, Rationality and Interaction (LORI), Texts in Computer Science, vol.8, College Publications, London, pp. 315-320, 2007.

On building abstract Concepts in Typed Systems, in The Logica 2006 Yearbook, FILOSOFIA Publishing House, Institute of Philosophy, Academy of Sciences - Czech Republic, pp.191-202, 2007.

Belief Revision in Constructive Type Theory, in The Logica 2005 Yearbook, pp.177-188, FILOSOFIA Publishing House, Institute of Philosophy, Academy of Sciences - Czech Republic, 2006.

RIVISTE NAZIONALI (PEER-REVIEWED)

Sulla natura sintetica dell'argomentazione metafisica, in Giornale di Metafisica, 28 (2006), N.2, pp. 397-412, Tilgher, Genova.

The Determination of Reference in a Constructive Setting, in Giornale di Metafisica, 26 (2004), N. 3, pp. 483-502, Tilgher, Genova.

ALTRO

(with N. Fresco) Computation, Chapter 13 in the Π Network (eds.), The Philosophy of Information - An Introduction, available at http://socphilinfo.org/sites/default/files/i2pi_2013.pdf.

Dinamiche: uno sguardo alla nuova fondazione logica, in G. Roccaro (ed.), Logica e Metafisica, Annali della Facoltà di Lettere e Filosofia, Studi e Ricerche 51, Università degli Studi di Palermo, pp.215-232, 2010.

Ricerche per una Informational Proof-Theory, in Mappe Concettuali, Territori Cognitivi - I Workshop di Studi Filosofici - Biblioteca Tematica "Potere e Sapere" - Annali della Facoltà di Lettere e Filosofia - Università degli Studi di Palermo - Sez. Studi e Ricerche - 2004, N 42, pp.17-53.

Necessità e Principio: riguardo alla struttura logico-epistemica dei Secondi Analitici, in Studium Philosophicum - Pensiero, Negazione e Principio di non contraddizione (a cura di G. Licata e A. Le Moli), ANNO III, N.3, 2004, pp.77-96, Nuova IPSA Editore Palermo.

Medioevo e scienza formale: commento a quattro voci - Riguardo al FotFS IV, in Schede Medievali - 40/2002, pp. 209-219 Officina di Studi Medievali.

Totalità e verità come incoerenza logica: una nota sulla contraddizione, in Studium Philosophicum, Anno I, N. 1,1/2002, pp. 69-77.

RECENSIONI

Giovanni Sommaruga (ed), Formal Theories of Information: From Shannon to Semantic Information Theory and General Concepts of Information, Lecture Notes in Computer Science, Minds and Machines, <http://www.springerlink.com/content/m08567n828652864/fulltext.pdf>.

Charles Parsons, Mathematical Thought and its Objects, CUP. Minds and Machines. vol. 20, issue 2, pp.311-315. DOI: 10.1007/s11023-010-9181-3.

G. Rigamonti, Si fa presto a dire lineare, Antigone Edizioni, Torino 2008, in Giornale di Metafisica, vol. XXXI, 1/2009, pp.195-199.

A. Varzi (ed.), Metafisica - Classici Contemporanei, Laterza Roma-Bari 2008, in Giornale di Metafisica, vol. XXX, 2/2008, pp. 377-382.

D.W. Zimmerman (ed.), Oxford Studies in Metaphysics, voll. 1-2, Oxford University Press, Oxford 2004-2006, pp. 345; 416; in Giornale di Metafisica, vol XXVIII, 1/2006.

N. Salmon, Metaphysics, Mathematics and Meaning, Oxford University Press, Oxford 2005; in Giornale di Metafisica, 3/2005, Tilgher, Genova.

P. Cosenza, Calcolo delle Classi e Calcolo dei Predicati nell'Analitica di Aristotele, Quaderni dell'Accademia Pontiniana, 35 in Giornale di Metafisica 26 2004/2, pp.405-410, Tilgher, Genova.

K. Hawley, How Things persist, Oxford University Press, Oxford 2001; in *Giornale di Metafisica* - 3/2002, pp.209-213, Tilgher, Genova.

F. D'Agostini, Disavventure della verità, Biblioteca Einaudi, Torino 2002; in *Studium Philosophicum*, Anno I, N. 2,2/2002. pp. 164-166.

ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire anno, ruolo, gruppo di ricerca, ecc.)

2023-2025

PI PRIN "SMARTEST - Simulation of Probabilistic Systems for the Age of the Digital Twin", funded by Ministry of University and Research.

2022-2025

PI PRIN "BRIO - Bias, Risk and Opacity in AI: design, verification and development of Trustworthy AI.", funded by Ministry of University and Research,

2022-2024

Proponente, Foundations of Fair and Trustworthy AI, funded by University of Milan.

2021

Membro, BURGEON PROJECT: Abstraction & Classification: Computation & Types, Funded by Université Jean Moulin Lyon 3, and in collaboration with CNRS & ENS Lyon, ENS Paris, Université Paris-Nord, Università di Bologna, Università degli Studi di Roma 3, Scuola Normale Superiore di Pisa

2020

Proponente Interdisciplinary NIAS Research group: Accountability in Medical Autonomous Expert Systems: Ethical and Epistemological Challenges for Explainable AI, Netherlands Institute for Advanced Study in the Humanities and Social Sciences (NL).

2017-2021

Co-PI, International Research Project, 'What is a Program? Historical and Philosophical Perspectives', Funded by ANR (France).

2016-2019

PI, PhD Scholarship on History of Computing, Middlesex University London, Funded by Association for Information Technology Trustee and Leo Computer Society (UK).

ATTIVITÀ QUALI LA DIREZIONE O LA PARTECIPAZIONE A COMITATI EDITORIALI DI RIVISTE SCIENTIFICHE

(per ciascuna voce inserire anno, ruolo, rivista scientifica, ecc.)

2023-current Member Editorial Board, Logics, MDPI Press

2023-current Member Editorial Board, Computability, IOS Press

2020 - current Member Editorial Board, *Giornale di Metafisica*, Editrice Morcelliana.

2014 - current Associate Editor for Philosophy of Computer Science & Technology, *Philosophy & Technology*, Springer.

2013 - current Main Editor for PhilPapers.org, section Philosophy and Computing

TITOLARITÀ DI BREVETTI

(per ciascun brevetto, inserire autori, titolo, tipologia, numero brevetto, ecc.)

NA

PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA

(inserire premio, data, ente organizzatore, ecc.)

NA

PARTECIPAZIONE IN QUALITÀ DI RELATORE A CONGRESSI E CONVEGNI DI INTERESSE INTERNAZIONALE

(inserire titolo congresso/convegno, data, ecc.)

29/07/2023: Contributed Talk at CLMPST 2023, Buenos Aires Argentina. Title: Logics for Fair AI.

8/10/2021: Contributed Talk at International Conference on the History and Philosophy of Computing, ETH Zuerich (CH). Title: Data Quality Dimensions for Fair AI.

03/05/2021 Contributed Talk International Workshop on Trust in Agent Societies, AAMAS Conference, London UK. Title: Probabilistic Typed Natural Deduction for Trustworthy Computations

13/04/2021 Contributed Talk, Workshop on Explainable Medical AI: Ethics, Epistemology and Formal Methods, Lorentz Center, the Netherlands. Title: Formal approaches to Trustworthy AI

07/09/2020 Contributed Talk Workshop on Reasoning about Social networks, European Conference on Artificial Intelligence, Santiago, Spain. Title: A Logic for Paranoid Agents

01/10/2019, Contributed Talk, Autumn Workshop PROGRAMme Project, Bertinoro. Title: Safety and Liveness in Copied Computational Artifacts.

29/10/2018 Contributed Talk, 11th International Conference on Swarm Intelligence, CNR Rome, Italy Title: Swarm Attack: A Self-organized Model to Recover from Malicious Communication Manipulation in a Swarm of Simple Simulated Agents

16/10/2018 Contributed Talk, Autumn Workshop PROGRAMme Project, Bertinoro. Title: From Formal Correctness to Engineering Validity

25/09/2018 Contributed Talk, Trends in Logic XVIII, Università Cattolica, Milan, Italy. Title: The Semantics of Negative Trust

27/04/2018 Contributed Talk S4CIP'18: 3rd Workshop on Safety & Security aSSurance for Critical Infrastructures Protection, London, United Kingdom Title: Simulation of a Trust and Reputation based Mitigation Protocol for a Black Hole Style Attack on VANETS

27/02/2018 Contributed Talk 2nd SYSMICS Workshop on Substructural logics: semantics, proof theory, and applications, Vienna.

30/11/2016 Contributed Talk Complex Networks 2016, Milan. Italy. Title: Trust and Distrust in Contradictory Information Transmission.

19/07/2016 Contributed Talk Trust Management X - 10th IFIP WG 11.11 International Conference, IFIPTM 2016, Darmstadt, Germany. Title: A calculus for Distrust and Mistrust

03/06/2015 Contributed Talk, 2nd International Workshop on Computational Antifragility and Antifragile Engineering, 6th International Conference on Ambient Systems, Networks and Technologies (ANT-2015), June 3, 2015, London, United Kingdom. Title: Software Theory Change for resilient near-complete specifications.

09/09/2014 Contributed Talk LSFA2014 9th Workshp on Logical and Semantic Frameworks with Applications, Brasilia, Brazil. Title: Intuitionistic Logic of Proofs with dependent proof terms

07/05/2014 Contributed Talk, Autonomous Agents and Mulit-Agents Systems International Conference, Paris. Title: Model Checking Degrees of Belief in a System of Agents

02/07/2013 Contributed Talk, Computability in Europe Conference, Milan. Title: A modal type system for error handling.

07/04/2013 Contributed Talk (with K. Pouliasis), Workshop on Intuitionistic Modal Logic and Applications, Unilog 2013, Rio de Janeiro, Brazil. Title: ``J-Calc: A typed lambda calculus for Intuitionistic Justification Logic"

02/04/2013 Contributed Talk, Workshop on the Scope of Logic through History, Unilog 2013, Rio de Janeiro, Brazil. Title: ``Realist consequence, epistemic inference, computational correctness"}{}

27/03/2013 Contributed Talk, 5th Workshop in the Philosophy of Information, University of Hertfordshire, UK Title: ``Distrust and Mistrust Properties for Modally and Privatively Qualified Information Channels"

29/09/2011 Contributed Talk at Ninth International Tbilisi Symposium on Language, Logic and Computation, Kutaisi (GE). Talk: "Alleged Assassins: realist and constructivist semantics for modal modification" (with B. Jespersen).

01-06/09/2011 Contributed Talk at 7 th European Congress of Analytic Philosophy, Milan (IT). Talk: "Validity in a Modal Procedural Semantics".

07/2011 Contributed Talk at CLMP514, Nancy (FR). Talk: "Modal Types and their Procedural Semantics for Contextual Computing".

07/2011 Contributed Talk at IMLA11, Intuitionistic Modal Logic and Applications Workshop, Nancy (FR). Talk: "A multi-modal type system and its procedural semantics for safe distributed programming".

31/05/2011 Invited Talk at Computational Logic Seminar, Graduate Center City University of New York (US). Talk: "Making Dependent Evidence Explicit in Justification Logic".

05-12/04/2011 Invited Talks at Computational Logic Seminar, Graduate Center City University of New York (US).
Talk 1: "A type system with modalities for safe distributed computing".
Talk 2: "A type system with modalities for safe distributed computing II: Procedural Semantics".

02-04/02/2011 Contributed Talk at XXIII International Meeting AILA (Associazione Italiana Logica e sue Applicazioni), Universita' di Bologna (IT). Talk: "A judgemental modal type theory for data accessibility".

819/11/2010 Commenting on F. Poggiolesi "The Analytic Logic of Proofs", Third Workshop in the Philosophy of Information, Brussels (BE).

04/10/2010 Contributed Talk at ECAP2010, Technische Universität München (DE). Talk: "Formalizing Correctness and Interaction by Modal Types".

21/09/2010 Contributed Talk at Logic, Reasoning and Rationality International Con-

ference, Ghent University, Ghent (BE). Talk: "A prioritized multi-modal type theory for formalizing trusted communication".

10/07/2010 Contributed Talk at Proof Systems for Program Logics (PSPL2010), LICS2010-affiliated workshop at FLoC 2010, Edinburgh (UK). Talk: "A multi-modal dependent type theory for representing data accessibility in a network."

30/06- 04/07/2010 Contributed Talk at Computability in Europe 2010 - Proofs, Programs, Processes, Ponte Delgada (Azores) Portugal. Talk: "Constructive contextual modal judgments for reasoning from open assumptions."

20/11/2009 LENLS VI - Logical Engineering of Natural Language Semantics, Tokyo (Japan). Talk: (with B. Jespersen) "A type-theoretical approach to privative modification".

14/09/2009 LOG-IC09 - Workshop on Logic-based Approaches to Context, affiliated to Conference on logic Programming for Non-Monotonic Reasoning 2009, Potsdam (Germany). Talk: "A constructive semantics for contextual verification".

92-4/07/2009 European Conference on Computing and Philosophy, Track on the Philosophy of Computer Science, Barcelona, Spain. Talk: "On the meaning of decidability issues in dependent types for the problem of output correctness".

1-2/09/2008 Young Researcher Days Workshop, Belgian Society for Logic and Philosophy of Science, Brussel. Talk: "Constructive Modalities for Information".

11-15/08/2008 Workshop on Logic and Intelligent Interaction, ESSLI 2008, Hamburg, Germany. Talk: "Quasi-merging and Pure Arbitration on Information for the Family of Logics ADM".

13-18/07/2008 IV World Congress on Paraconsistency, Melbourne, Australia. Talk: "A Model for processing Updates with Inconsistent Information".

3-5/07/2008 LOFT08, 8th Conference on Logic and the Foundations of Game and Decision Theory Amsterdam (NL). Talk: "Aggregating Collective Judgements by selecting Disagreements".

1-3/07/2008 FUSION08, 11th International Conference on Information Fusion Cologne, Germany. Talk: "Adaptive Arbitration by Variant Counting on Commutative Bases with Weights".

11-17/05/2008 International Conference CLE30/XVEBL/XIVSLALM, Paraty, Brasil. Talk: "Retraction for the Adaptive Logic of Information Update".

19/11/2007 Invited Talk at Philosophy Department TU-Delft, the Netherlands. Talk: "Interacting Beliefs".

06/08/2007 Workshop on Logic, Rationality and Interaction (LORI), Beijing, China. Talk: "Belief Merging Based on Adaptive Interaction".

09-15/08/2007 LMP507 - 13th International Conference on Logic, Methodology and Philosophy of Science, Beijing, China. Talk: "An Adaptive Approach to Belief Change".

August 2006 Contributed Talk at Logic Colloquium 2006, ASL European Summer Meeting, Nijmegen - Holland. Talk: "A constructive type-theoretical Interpretation of the philosophical Methods of Abstraction and Instantiation".

June 2006 Contributed Talk at Logica 2006, International Symposium Institute of Philosophy, Academy of Sciences, Czech Republic. Talk: "On building abstract Concepts in typed Systems".

June 2005 Contributed Talk at Logica 2005, International Symposium, Institute of

Philosophy, Academy of Sciences, Czech Republic. Talk: "Belief Revision in Constructive Type Theory".

2003 Contributed Talk at LMPS03 - 12th International Conference on Logic, Methodology and Philosophy of Science, Oviedo, Spain. Talk: "Some Remarks about the Analysis/Synthesis Problem: a new Context for the Notion of Information".

ATTIVITÀ GESTIONALI, ORGANIZZATIVE E DI SERVIZIO

INCARICHI DI GESTIONE E AD IMPEGNI ASSUNTI IN ORGANI COLLEGIALI E COMMISSIONI, PRESSO RILEVANTI ENTI PUBBLICI E PRIVATI E ORGANIZZAZIONI SCIENTIFICHE E CULTURALI, OVVERO PRESSO L'ATENEO O ALTRI ATENEI

(inserire incarico/impegno, ente, data, ecc.)

ATENEI

2023 - current Membro della Giunta del Dipartimento di Filosofia Università Statale di Milano

2023 - current Membro della Commissione Programmazione del Dipartimento di Filosofia Università Statale di Milano

2023 - 2026 Presidente del Collegio Didattico, Master's Degree in Human Centered AI, Università Statale di Milano, Università di Milano-Bicocca, Università di Pavia.

2022 - 2023 Responsabile Commissione Ammissioni Master Degree in Degree in Human Centered AI, Università Statale di Milano, Università di Milano-Bicocca, Università di Pavia.

2021 - 2023 Referente Assicurazione della Qualità, Dipartimento di Filosofia, Università Statale di Milano

2021-2022 Membro del Gruppo di Riesame Ciclico, Corso di Laurea in Filosofia, Università degli Studi di Milano, Italia.

2020 - current Member of the Board, PhD in Mind, Brain and Reasoning, Department of Philosophy, University of Milan

2019 - 2021 Membro Gruppo Nazionale TECO (Test per le Competenze) di Filosofia, MIUR

2019 - 2021 Responsabile Recupero Obblighi Formativi Aggiuntivi, Dipartimento di Filosofia, Università di Milano

2019 - 2022 Responsabile Commissione Ammissioni Master Degree in Philosophical Sciences, Department of Philosophy, University of Milan

2019 - 2021 Membro Gruppo Assicurazione della Qualità, Delega alla Comunicazione, Department of Philosophy, University of Milan

2015 - 2018 Organiser Employability and Research Talks, BSc Computer Science, Middlesex University London

2015 - 2018 Member Advisory Group Middlesex University Centre for Ideas, London

2014 - 2016 Member Standing Steering Committee for the LEO Archive Project

2012 - 2013 Evaluation and Selection Postgraduate Studies in Logic, History and Philosophy of Science, Centre for Logic and Philosophy of Science, Ghent University

SOCIETA' SCIENTIFICHE

2024 - 2027 Councillor, Division of Logic, Methodology, Philosophy of Science and Technology

2023 - current Membro del Direttivo, Società Italiana di Logica e Filosofia della Scienza

2017-2021 Presidente DLMPST/DHST Commission on the History and Philosophy of Computing

2016-2023 Secretary General, Association Computability in Europe

2015-2018 IACAP - International Association for Computing and Philosophy, Member of the Executive Board

ORGANIZZAZIONE CONFERENZE

-Chair and PC Member, Logic Colloquium, 5-9 June 2023, University of Milan

-PC Member, CEPE/IACAP Conference 2021, Hamburg, Germany.

-Chair and PC Member, NETREASON Workshop on Reasoning on Social Networks, Colocated with ECAI2020, 09 June 2020, Santiago de Compostela, Spain.

-PC Member, HaPoP5 Fifth Symposium on the History and Philosophy of Programming, Colocated with NewCrafts 2020, 27 May 2020, Paris, France (psotponed).

-PC Member, Logic Colloquium 2020 & 2021, Poznan (PL).

-PC Member, HaPoC 2019, Bergamo (IT), 28-30 October, 2019.

-Organiser, Workshop on Identity in Logical and Computational Systems, CLMPST 2019, Prague, Czechia.

-Chair, Computability in Europe 2019, Durham (UK), 15-19 July, 2019.

-Co-Organiser, Workshop on Computer Simulations in the Artificial Sciences, Politecnico di Milano (IT), 22-23 November, 2018.

-PC Member, HaPoP4 Fourth Symposium on the History and Philosophy of Programming, 23 March 2018, Oxford, UK.

- Co-Organiser, Summer School on Computer Simulation Methods, HLRS Stuttgart (Germany), 25-29 September, 2017.

-PC Member, 7th Workshop on Intuitionistic Modal Logic and Applications (IMLA), co-located with ESSLLI 2017, Toulouse (France), 17-28 July, 2017.

-PC Member S4CIP17: 2nd Workshop on Safety & Security aSSurance for Critical Infrastructures Protection, Affiliated with Co-located with IEEE EuroS&P: 2nd European Symposium on Security and Privacy (April 26-28, 2017), Paris.

-PC Member, HaPoC4 Conference, 4-7 October 2017, Brno, Czechia.

-Organizing Committee HaPoP3, Third Symposium on the History and Philosophy of Programming, June 25, 2016, Paris, France

-PC Member IACAP16, June 14-17, 2016, Ferrara, Italy

-PC Member S4CIP16: 1st Workshop on Safety & Security aSSurance for Critical Infrastructures Protection, Affiliated with ANT2016, May 23-26, 2016, Madrid, Spain

- PC Member, HaPoC3 Conference, 8-11 October 2015, Pisa, Italy.
- Organizing Committee, 31st British Colloquium on Theoretical Computer Science, 14-18 September 2015, Middlesex University London.
- PC Member, Architecting Self-Managing Distributed Systems Workshop, affiliated ECSA 2015, 7 September 2015, Dubrovnik, Croatia.
- PC Member, IACAP Conference, 20-26 June 2015, University of Delaware, US.
- PC and Organizing Committee Member, 7th Workshop on the Philosophy of Information, UCL, 30-31 March 2015.
- PC Member, IACAP Conference, 1-4 July 2014, Thessaloniki, Greece.
- Chair, HaPoC Workshop, IACAP Conference, 1-4 July 2014, Thessaloniki, Greece.
- Chair, HaPoC Special Session, CiE Conference, 23-27 June 2014, Budapest, Hungary.
- Chair, 2nd Workshop on the History and Philosophy of Programming, AISB Symposium, 4th April 2014, London, UK.
- PC Member, HaPoC2 Conference, 28-31 October 2013, Paris, France.
- Chair, Proofs, Programs, Procedures, Special Session Conference on Logic and Philosophy of Science, 16-18 September 2013, Ghent University, Belgium.
- Chair, International Meeting Turing in Context II, Flemish Academy of Science, 19 November 2012. Affiliated event to the Turing Centennial.
- Chair, 1st Workshop on History and Philosophy of Programming, AISB/IACAP Conference, Birmingham, July 2012.
- Chair, International Meeting Turing in Context I, King's College Cambridge, 18-19 February 2012
- Chair, HaPoC1 Conference, Ghent University, 7-10 November 2011
- Chair, International Workshop Proof Systems at the test of Computer Science: Foundational and Applicational Encounters, 14 th Congress on Logic, Methodology and Philosophy of Science, June 2011, Nancy, France.
- PC and Organizing Committee Member, 3rd Workshop on the Philosophy of Information, Flemish Academy of Belgium for Sciences and the Arts, 18-19 November 2010.
- PC Member, International Conference Logic, Reasoning and Rationality, Ghent University, 20-22 September 2010.
- LC Member, Studia Logica Conference Trends in Logic VI, Brussels, 11-12 December, 2008.

ATTIVITÀ CLINICO ASSISTENZIALI

(indicare, data, durata, ruolo, ente presso il quale si è prestata attività assistenziale, ecc.)

NA

Data

15/03/2024

Luogo

Milano