

CURRICULUM-VALENTINA GLIOZZI

- **ACADEMIC APPOINTMENTS**

2022: Qualification for Full Professor

2019-present: Associate Professor at the Computer Science Department & Member of the Center for Logic, Language, and Cognition, University of Turin, Italy

2005-2019: Assistant professor at the Computer Science Department, University of Turin, Italy

2003-2005: Temporary Research Associate University of "Piemonte Orientale", Italy

2002-2003: CNR grantee at the Institut Jean Nicod, CNRS, Paris, France

- **VISITING ACTIVITIES**

2020-2022: Visiting at the Cognitive Neuroimaging Lab, Neurospin, Saclay, France

2006- 2007, 2010, 2015-2016: Visiting Academic at the BabyLab, Experimental Psychology Department, Oxford, UK

- **EDUCATION**

2002: PhD in Computer Science, University of Turin, Italy

1999: Diplôme d'Etudes Approfondis (Master) en Sciences Cognitives, Université de Paris VI, France

1997: Laurea (MA) in Philosophy University of Turin, Italy

- **TEACHING ACTIVITIES**

2009-2010, 2014-present: *Neural Networks and Deep Learning* (36 hrs). Computer Science Department, University of Torino

2006-2014 2018-2019: *Programming I*, Lab (30 hrs), Computer Science Department, University of Torino

2018 *Programming II*, Lab(24 hrs), Computer Science Department, University of Torino

2005 *Modal Logic* (practise exercise), Ecole Normale Supérieure (Paris), France

2002 *Logics*. Università del Piemonte Orientale. Italy

- **PUBLICATIONS**

- **International Journals**

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- Valentina Gliozzi, Gian Luca Pozzato , Alberto Valesse Combining neural and symbolic approaches to solve the Picasso problem: A first step. *Displays*, Elsevier (2022).
- L. Giordano, V. Gliozzi and D.Theseider Dupré. A conditional, a fuzzy and a probabilistic interpretation of self-organizing maps. *Journal of Logic and Computation* 32, 2 (2022).
- L. Giordano and V. Gliozzi. A reconstruction of the multipreference closure. *Artificial Intelligence*, vol. 290, (2021).
- Althaus, N., Gliozzi, V., Mayor, J. & Plunkett, K., Infant categorization as a dynamic process linked to memory. In : *Royal Society Open Science*. 7, 10, 18 (2020).

- L. Giordano and V. Gliozzi: Reasoning about exceptions in ontologies: from the lexicographic closure to the skeptical closure. *Fundamenta Informaticae* 176(3-4): 235-269 (2020).
- Valentina Gliozzi, Kim Plunkett. Grounding Bayesian accounts of numerosity and variability effects in a similarity-based framework: the case of self-organising maps. *Journal of Cognitive Psychology* 2019, 31:5-6, 605-618.
- Valentina Gliozzi, Matteo Madeddu: A visual auditory model based on Growing Self-Organizing Maps to analyze the taxonomic response in early childhood. *Cognitive Systems Research* 52: 668-677 (2018)
- Laura Giordano, Valentina Gliozzi, Nicola Olivetti. Towards a Rational Closure for Expressive Description Logics: the Case of SHIQ. *Fundamenta Informaticae* 159(1-2): 95-122 (2018)
- L. Giordano, V. Gliozzi, N. Olivetti, and Pozzato G. L. Semantic characterization of Rational Closure: from Propositional Logic to Description Logics. *Artificial Intelligence*, (226):1-33, 2015.
- V. Genovese, L. Giordano, V. Gliozzi, and G. L. Pozzato. Logics in access control: A conditional approach. *Journal of Logic and Computation*. 24(4): 705-762, 2014.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. A NonMonotonic Description Logic for Reasoning About Typicality. *Artificial Intelligence*, 195:165-202, 2013.
- Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato, and Camilla Schwind. Nonclassical logics for knowledge representation and reasoning. *Intelligenza Artificiale*, 5(1):127-131, 2011.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. ALC+T: a preferential extension of description logics. *Fundamenta Informaticae*, 96:341-372, 2009.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Analytic Tableaux Calculi for KLM Logics of Nonmonotonic Reasoning. *ACM Transactions on Computational Logic (ToCL)*, 10(3), 2009.
- L. Giordano, V. Gliozzi, N. Olivetti, and C. Schwind. Tableau Calculus for Preference-Based Conditional Logics. *ACM Transactions on Computational Logics (TOCL)*, 10(3), 2009.
- V. Gliozzi, J. Mayor, J. F. Hu, and K. Plunkett. Labels as Features (not Names) for Infant Categorisation: A Neuro-computational approach. *Cognitive Science*, 33(4):709-738, 2009 (*).
- L. Giordano, V. Gliozzi, and N. Olivetti. Weak AGM Postulates and Strong Ramsey Test: a logical formalization. *Artificial Intelligence*, 168(1-2):1-37, 2005.
- L. Giordano, V. Gliozzi, and N. Olivetti. Iterated Belief Revision and Conditional Logic. *Studia Logica*, 70(1):23-47, 2002.

International Conferences

- L. Giordano, V. Gliozzi and D. Theseider Dupré: From Common Sense Reasoning to Neural Network Models, through Multiple Preferences: an Overview, *Proc. 19th International Workshop on Non-Monotonic Reasoning (NMR-2021)*, November 3-5 2021, Hanoi, Vietnam (virtually), pages 203–212.
- Laura Giordano, Valentina Gliozzi and Daniele Theseider Dupré: On a plausible concept-wise multipreference semantics and its relations with self-organising maps. *35th Italian Conference on Computational Logic (CILC 2020)*, Rende, Italy, 12-15 October, 2020.
- Laura Giordano, Valentina Gliozzi and Daniele Theseider Dupré: Towards a Conditional Interpretation of Self Organising Maps. *Proc. Italian Workshop on Explainable Artificial Intelligence, XAI.it 2020*, co-located with *19th International Conference of the Italian Association for Artificial Intelligence (AIxIA 2020)*. In CEUR Workshop Proceedings vol. 2742, pp. 127-134.
- Mattia Cerrato, Edoardo Arnaudo, Valentina Gliozzi, Roberto Esposito. Taxonomic and Whole Object Constraints: A Deep Architecture. *Proceedings of the 41st Annual Meeting of the Cognitive Science Society (CogSci2019)*, Montreal, Canada July 24th –27th, 2019.
- Laura Giordano and Valentina Gliozzi: Reasoning about exceptions in ontologies: An approximation of the multipreference semantics. *Proc. ECSQARU 2019, 15th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, Belgrade, Serbia, September 18-20, 2019, Volume 11726 LNAI, 2019, Pages 212-225, Springer.
- Laura Giordano and Valentina Gliozzi: Strengthening the Rational Closure for Description Logics: An Overview. In *CILC 2019, CEUR Workshop Proceedings* vol. 2396, pages 68-81. Trieste, Italy, June 19-21, 2019.

- Giorgia Fenoglio, Roberto Esposito, Valentina Gliozzi: A Neural Network Model for Taxonomic Responding with Realistic Visual Inputs. *Proceedings of the 39th annual meeting of the Cognitive Science Society*, London UK, 16-29 July 2017
- Laura Giordano, Valentina Gliozzi, Gian Luca Pozzato, Riccardo Renzulli: An Efficient Reasoner for Description Logics of Typicality and Rational Closure. *Description Logics 2017, CEUR Workshop Proceedings 1879*, Montpellier, France, July 18-21, 2017.
- Laura Giordano, Valentina Gliozzi, Gian Luca Pozzato, Riccardo Renzulli: RAT-OWL: Reasoning with Rational Closure in Description Logics of Typicality. *ICTCS/CILC 2017, CEUR Workshop Proceedings 1949*, pages 306-320. Naples, Italy, September 26-28, 2017.
- V. Gliozzi: A strengthening of rational closure in DLs: reasoning about multiple aspects. In Kern-Isberner, Wassermann (Ed), *Proceedings of the 16th International Workshop on Non-Monotonic Reasoning (NMR 2016)*, Cape Town, South Africa; April 22 – 24, 2016.
- V. Gliozzi . Reasoning about Multiple Aspects in Rational Closure for DLs, AI*IA 2016, *XV International Conference of the Italian Association for Artificial Intelligence (AIxIA)*, Genova, Italy, November 29 - December 1, 2016, Proceedings, 2016 pp. 392-405.
- Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato, Luca Violanti. DysToPic: a Multi-Engine Theorem Prover for Preferential Description Logics. In *Description Logics 2015*, Athens, Greece, June 7-10, 2015. *CEUR Workshop Proceedings 1350*.
- Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato, Luca Violanti. A Multi-engine Theorem Prover for a Description Logic of Typicality. In *AI*IA 2015, Advances in Artificial Intelligence - XIVth International Conference of the Italian Association for Artificial Intelligence*, Ferrara, Italy, September 23-25, 2015, *LNAI 9336*, pp. 164-178, Springer.
- Laura Giordano and Valentina Gliozzi. Encoding a Preferential Extension of the Description Logic SROIQ into SROIQ. In *ISMIS 2015, Foundations of Intelligent Systems - 22nd International Symposium*, Lyon, France, October 21-23, 2015, *LNCS 9384*, pp. 248-258, Springer.
- Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato. Rational Closure in SHIQ. In *Description Logics 2014: 543-555*, 17-20 July 2014, Vienna. *CEUR Workshop Proceedings 1193*.
- Laura Giordano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato. Minimal models for rational closure in SHIQ. In *ICTCS 2014, Italian Conference on Theoretical Computer Science: Perugia*, September 17-19th 2014. *CEUR Workshop Proceedings 1231*, 271-277.
- V. Gliozzi, N. Althaus, J. Mayor, K. Plunkett, 2013. Primacy/recency effects in infant categorisation. In M.Knauff, M.Pauen, N.Sebanz & I.Wachsmuth, editors, *Proceedings of the 35th annual meeting of the Cognitive Science Society*, 2013, pages: 2410-2415.
- L. Giordano, V. Gliozzi, N. Olivetti and G. L. Pozzato. Minimal Model Semantics and Rational Closure in Description Logics. *26th International Workshop on Description Logics, DL 2013*, Ulm, 23-26 July 2013.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. A minimal model semantics for nonmonotonic reasoning. In Jérôme Mengin Luis Fariñas del Cerro, Andreas Herzig, editor, *Logics in Artificial Intelligence - 13th European Conference, JELIA 2012*, volume 7519 of *LNAI*, pages 228-241, Toulouse, France, September 2012. Springer-Verlag.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. A minimal model semantics for rational closure. In Riccardo Rosati and Stefan Woltran, editors, *Proceedings of NMR 2012: 14th International Workshop on Non-Monotonic Reasoning*, to appear, Roma, Italy, June 8-10 2012.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Preferential Low Complexity Description Logics: Complexity Results and Proof Methods. In Yevgeny Kazakov and Frank Wolter, editors, *Proceedings of the 25th International Workshop on Description Logics (DL 2012)*, volume 846 of *CEUR*, pages 180-190, Roma, Italy, June 2012.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. A modal reconstruction of Rational Closure. In Francesca Alessandra Lisi and Fabio Patrizi, editors, *Proceedings of CILC 2012 (27th Convegno Italiano di Logica Computazionale)*, volume 857 of *CEUR*, pages 161-175, Roma, Italy, June 2012.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Reasoning about typicality in low complexity DLs: the logics $EL^{bot} tip_{mbox} min$ and $DL-lite_c tip_{mbox} min$. In Toby Walsh, editor, *Proceedings of IJCAI 2011 (22nd International Joint Conference on Artificial Intelligence)*, pages 894-899, Barcelona, Spain, July 2011. AAAI.
- V. Genovese, L. Giordano, V. Gliozzi, and G. L. Pozzato. A conditional constructive logic for access control and its sequent calculus. In K. Brunnler and G. Metcalfe, editors, *Proceedings of TABLEAUX 2011 (20th International*

- Conference on Automated Reasoning with Analytic Tableaux and Related Methods*), volume 6793 of *LNAI*, pages 164-179, Bern, Switzerland, July 2011. Springer-Verlag.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. A tableau calculus for a nonmonotonic extension of EL^{bot} . In K. Brünner and G. Metcalfe, editors, *Proceedings of TABLEAUX 2011 (20th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods)*, volume 6793 of *LNAI*, pages 180-195, Bern, Switzerland, July 2011. Springer-Verlag
 - D. D'Aprile, L. Giordano, V. Gliozzi, A. Martelli, G.L. Pozzato, D. Theseider Dupré. Verifying Compliance of Business Processes with Temporal Answer Sets, in *CILC 2011 (26th Convegno Italiano di Logica Computazionale)*, Pescara, Italy, September 2011, CEUR workshop proceedings , vol. 810.
 - L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Nonmonotonic Extensions of Low Complexity DLs: Complexity Results and Proof Methods, in *CILC 2011 (26th Convegno Italiano di Logica Computazionale)*, Pescara, Italy, September 2011, CEUR workshop proceedings , vol. 810.
 - L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. A Nonmonotonic Extension of KLM Preferential Logic P , In: *LPAR-17, Logic for Programming, Artificial Intelligence, and Reasoning - 17th International Conference - LNCS 6397*. Yogyakarta, Indonesia, October 10-15, 2010, p. 317-332.
 - D. D'Aprile, L. Giordano, V. Gliozzi, A. Martelli, N. Olivetti, G.L. Pozzato, Verifying Business Process Compliance by Reasoning about Actions , In: *CLIMA XI: Computational Logic in Multi-Agent Systems, 11th International Workshop - LNAI 6245*. Lisbon, Portugal, August 16-17, 2010, p. 99-116.
 - V. Genovese , L. Giordano, V. Gliozzi, G.L. Pozzato. A constructive conditional logic for access control: a preliminary report , In: *ECAI 2010 (19th European Conference on Artificial Intelligence)*. Lisbon, Portugal, August 16-20, 2010, p. 1073-1074.
 - L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Preferential vs Rational Description Logics: which one for Reasoning About Typicality? , In: *ECAI 2010 (19th European Conference on Artificial Intelligence)*. Lisbon, Portugal, August 16-20, 2010, p. 1069-1070.
 - V. Genovese , L. Giordano, V. Gliozzi, G.L. Pozzato. Logics in Access Control: A Conditional Approach , In D. Gabbay and L. van der Torre. In: *LIS 2010 (1st Workshop of Logics in Security)*. Copenhagen., August 9th - 13th, 2010
 - V. Genovese , L. Giordano, V. Gliozzi, G.L. Pozzato. A constructive conditional logic for access control: a completeness result and a sequent calculus . *CILC 2010 (25-esimo Convegno Italiano di Logica Computazionale)- CEUR Workshop Proceedings* , Rende (CS), Italy, July 2010, vol. 598, p. 1-15.
 - L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato. Preferential vs Rational Description Logics: which one for Reasoning About Typicality? , In: *CILC 2010 (25-esimo Convegno Italiano di Logica Computazionale)- CEUR Workshop Proceedings* . Rende (CS), Italy, July 2010, vol. 598.
 - L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, Reasoning About Typicality in ALC and EL , *Description Logics 2009*.
 - L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, Reasoning about typicality with low complexity Description Logics: the logic $EL+T$, *AI*IA 2009, LNAI 5883*, pp. 62-71, Springer, 2009.
 - L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, Prototypical Reasoning with Low Complexity Description Logics: Preliminary Results. *LPNMR 2009: LNAI 5753* Springer 2009, pp.430-436.
 - V. Gliozzi, J. Mayor, J. F. Hu, and K. Plunkett. The impact of labels on visual categorisation: a neural network model. In B. C. Love, K. McRae, and V. M. Sloutsky, editors, *Proc. of the 30th Annual Cognitive Science Society*, pages 397-402, Austin, TX, 2008. Cognitive Science Society.
 - L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Reasoning About Typicality in Preferential Description Logics. In S. Hölldobler, C. Lutz, and H. Wansing, editors, *Proceedings of JELIA 2008 (11th European Conference on Logics in Artificial Intelligence)*, volume 5293 of *LNAI*, pages 192-205, Dresden, Germany, September 2008. Springer-Verlag.
 - L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. ALC+T: Reasoning About Typicality in Description Logics. In *Proceedings of CILC 2008 (23-esimo Convegno Italiano di Logica Computazionale)*, 10-12 July 2008.
 - L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Preferential Description Logics. In Nachum Dershowitz and Andrei Voronkov, editors, *Proceedings of LPAR 2007 (14th Conference on Logic for Programming, Artificial Intelligence, and Reasoning)*, volume 4790 of *LNAI*, pages 257-272, Yerevan, Armenia, October 2007. Springer-Verlag.
 - L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, KLMLean 2.0: a Theorem Prover for KLM Logics of Nonmonotonic Reasoning, *TABLEAUX 2007*, Aix en Provence, France, 3-6 July, 2007.

- L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, An Implementation of a Free-variable Tableaux for KLM Preferential Logic P of Nonmonotonic Reasoning: the Theorem Prover FREEP 1.0. *AI*IA 2007*, Roma, Italy, 10-13 September, 2007.
- L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, KLM Logics of Nonmonotonic Reasoning: Calculi and Implementations, *Convegno Italiano di Logica Computazionale, CILC 2007*, Messina, 21-22 Giugno 2007.
- L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, Extensions of Description Logic to Reason about Typicality, *Methods for Modalities (M4M)*, Paris, November 2007.
- L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, Preferential Description Logics. *LPAR 2007*: 257-272.
- L. Giordano, V. Gliozzi, N. Olivetti and G.L. Pozzato, Automated Deduction for Logics of Default Reasoning (Extended Abstract), accepted as a Poster at *ECAI06*, Riva del Garda, Aug 28th - Sept 1st 2006.
- L. Giordano, V. Gliozzi, N. Olivetti and G. Pozzato. Analytic Tableaux for KLM Preferential and Cumulative Logics. *12th Int. Conf on Logic Programming and Automated Reasoning, LPAR 2005*, 2nd-6th December 2005, Montego Bay, Jamaica. To appear (pdf). A preliminary version was presented as a *position paper*, in *Tableaux 2005, Automated Reasoning with Analytic Tableaux and Related Methods*, Koblenz, 14-16 september 2005.
- L. Giordano, V. Gliozzi, N. Olivetti, and G. L. Pozzato. Analytic Tableaux Calculi for KLM Rational Logic R. In M. Fisher, W. van der Hoek, B. Konev, and A. Lisitsa, editors, *Proceedings of JELIA 2006 (10th European Conference on Logics in Artificial Intelligence)*, volume 4160 of *LNAI*, pages 190-202, Liverpool, England, September 2006. Springer-Verlag
- L. Giordano, V. Gliozzi, N. Olivetti and C.Schwind. Extensions of Tableau calculi for preference-based conditional logics. *Methods for Modalities"* (M4M), 1-2 December 2005, Berlin.
- L. Giordano, V. Giozzi, N. Olivetti, and C. Schwind. Tableau Calculi for Preference-Based Conditional Logics. In *Proc. of TABLEAUX 2003 (Automated Reasoning with Analytic Tableaux and Related Methods)*, volume 2796 of *LNAI*, pages 81-101. Springer, 2003.
- L. Giordano, V. Gliozzi, and N. Olivetti. Belief Revision and the Ramsey Test: a Solution. In *Proc. AI*IA'01: Advances in Artificial Intelligence*. LNAI 2175. Bari, September 2001.
- L.Giordano, V.Gliozzi and N.Olivetti. A conditional Logic for Iterated Belief Revision. In *Proc. 14th European Conference on Artificial Intelligence, ECAI 2000*, Berlin .
- L. Giordano, V. Gliozzi and N. Olivetti. A Conditional Logic for Belief Revision. In *Proc. of the Sixth European Workshop on Logic in Artificial Intelligence, JELIA'98*, volume 1489 of *LNAI*, pages 294-308, Dagstuhl, 1998.

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2016: Organizer of the Workshop on Categorization, Language, and Inductive Learning, Center for Logic, Language and Cognition, University of Torino, Italy.

2014: Co-chair of CILC (Convegno Italiano di Logica Computazionale), <http://cilc2014.di.unipmn.it>

- **INSTITUTIONAL RESPONSIBILITIES**

2015 –present Member of the Executive Committee of the Center for Logic, Language and Cognition, University of Torino, Italy

2015 -present Member of the Scientific Board of the Center for Logic, Language and Cognition, University of Torino, Italy

2015 – Founding Member of the Center for Logic, Language and Cognition, University of Torino, Italy

2013-2015 and 2022- Member of the PhD committee, Computer Science Department, University of Torino

- **COMMISSIONS OF TRUST**

2022: PC member of the International Conference on Principles of Knowledge Representation and Reasoning (KR2022)

2020: PC member of International Joint Conference of Artificial Intelligence (IJCAI 2020)

2019: PC member of Joint European Conference in Logic in Artificial Intelligence (JELIA 2019)

2018: PC member of International Conference on Principles of Knowledge Representation and Reasoning (KR2018)

2016: co-Editor of the Special Issue on *Fundamenta Informaticae* from CILC 2014

2016: PC member Non Monotonic Reasoning (NMR 2016)

2015: PC member di Joint Ontologies Workshop 2015

2015: PC member CILC 2015(Convegno Italiano di Logica Computazionale)

2014: Member of the Italian Artificial Intelligence Society (AI*IA) Committe for the best Master Thesis in Artificial Intelligence

Referee per Journal of Logic and Computation, Journal of Applied Non-Classical Logics, IJCAI, KR, ECAI (European Conference on Artificial Intelligence), JELIA (Joint European Conference on logics in Artificial Intelligence), DL (Description Logics), TABLEAUX.

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

Member of the Cognitive Science Society; member of the Italian Association for Artificial Intelligence;

Member of the GNCS (Gruppo Nazionale per il Calcolo Scientifico)

- **PROJECTS**

Scientific responsibility:

GNCS 2016: “Defeasible Logics nelle Logiche Descrittive”, finanziato dall'Istituto Nazionale di Alta Matematica Francesco Severi (INDAM).

Progetto 2013 “CONDESC: deduzione automatica per logiche CONDizionali e DESCrittive”, ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2014 “DECORN: logiche Descrittive e Condizionali per Ragionamento Nonmonotono”, ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2015 “LINEETTA: LogIcs and NEural networks for rEasoning abouT TypicAlity”, ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2016 "TACL&D: Typicality, neurAl networks, ConditionAl & Description logics”, ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2017 “RE-TACL&D: Reasoning about Typicality, neurAl networks, ConditionAl logics & Description logics”, ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2019 “RODRIGO: neuRal netwOrks, DescRiptIon loGics, prObabilities”, ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2019 "DECORATOR: Dynamic gEneration with Concept cOmbination and neuRAI neTwORks", ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2020 "TERRACOTTA: leT nEuRAl netwoRks And desCription logics Of TypicaliTy cooperAte", ricerca locale Dipartimento di Informatica, Università di Torino.

Progetto 2021 "LENTO: Logics and nEural Networks: Together" , ricerca locale Dipartimento di Informatica, Università di Torino.

Participation to projects:

PRIN 2017 CRUV_PRIN_2017_19_01 (Coordinator prof. Enzo Crupi).

Bilateral Project Galileo 2006: "Interaction and coordination in multi-agent systems" (Coordinator Prof. Laura Giordano).

PRIN 2008: LoDeN (Low-complexity Description logics with Nonmonotonic features)" (Coordinator Prof. Laura Giordano).

"ICT4LAW : ICT Converging on Law: Next Generation Services for Citizens, Enterprises, Public Administration and Policymakers" (March 2009 - March 2013). Regione Piemonte. (Coordinator Prof. Laura Giordano).

GNCS 2015 "Logiche Descrittive e Ragionamento Non Monotono" finanziato dall'Istituto Nazionale di Alta Matematica Francesco Severi (INDAM). (Coordinator Prof. Laura Giordano).

PRIN 2003: "Logic-based development and verification of multi-agent system". (Coordinator Prof. Laura Giordano).

PRIN 2005: "Specification and verification of agent interaction protocols". (Coordinator Prof. Laura Giordano).

• MAJOR COLLABORATIONS

-Kim Plunkett (Experimental Psychology Department, University of Oxford, UK; Topic: Neural network modeling of Cognition);

-Christophe Pallier Cognitive Neuroimaging Lab, Neurospin, Saclay France

-Nicola Olivetti (LSIS - UMR CNRS 6168 Aix-Marseille University, France; Topics: knowledge representation, Description Logics, proof theory);

-Camilla B. Schwind (CNRS at LIF, Marseille, France; Topic: proof methods for nonclassical logics).

• CAREER BREAKS

22/09/2008- 11/04/2009 Maternity leave

22/10/2011 - 05/06/2012 Maternity leave