CURRICULUM VITAE

PERSONAL INFORMATION	
Name	**LUCA PULINA**
E-mail	LPULINA@UNISS.IT
Position	FULL PROFESSOR OF COMPUTER SCIENCE
WWW	AIMETLAB.EU

PROFILE	
Brief description	Luca Pulina is Full Professor of Computer Science at the Department of Humanities and Social Sciences of the University of Sassari. He received a Ph.D. in Computer Engineering and Robotics from the University of Genoa, Italy, in 2009. His research activities focus on Artificial Intelligence, Formal Methods and Knowledge Representation & Reasoning. He served in the organizing and technical program committee of several international conferences. He has (co-)authored more than one hundred publications in peer-reviewed journals, international conferences, and workshops. He was involved as principal investigator of a regional project, while he participated in European and national projects.

WORK EXPERIENCE	
December 2021 – present	Full Professor of Computer Science, University of Sassari.
April 2017 – December 2021	Associate Professor of Computer Science, University of Sassari.
March 2011 – April 2017	Assistant Professor (*Ricercatore Universitario*) of Computer Engineering, University of Sassari.
January 2009 – February 2011	Post-doctoral researcher fellowship at the University of Genoa.

EDUCATION	
January 2006 – December 2008	Ph.D. in Robotics and Computer Engineering, University of Genoa.
September 1997 – June 2005	*Laurea* (Master's degree equivalent) in Computer Engineering, University of Genoa.

SKILLS	
	Summary list of work skills: • Managerial leadership • Analytical skills • Problem solving skills • Teamwork and interpersonal skills

LANGUAGES		
		Language Italian (Mother tongue)
		Language English (B2)
		Language French (A2)
ACADEMIC ACTIVITY		
		Conferences, Workshops and Seminars
2024		Programme Committee Member, 28th European Conference on Artificial Intelligence (ECAI 2024).
2024		Programme Committee Member, 7th Symposium on AI Verification (SAIV 2024).
2024		Programme Committee Member, 39th Edition of the Italian Conference on Computational Logic (CILC 2024).
2024		Programme Committee Member, 27th International Conference on Theory and Applications of Satisfiability Testing (SAT 24).
2023		Programme Committee Member, IEEE International Conference on Tools with Artificial Intelligence 2023 (ICTAI 23).
2023		Programme Committee Member, 5th International Workshop on Automated and verifiable Software sYstem Development (AYSDE 2023).
2023		Programme Committee Member, 22nd International Conference of the Italian Association for Artificial Intelligence (AIxIA 23)
2023		Programme Committee Member, 27th European Conference on Artificial Intelligence (ECAI 2023).
2023		Programme Committee Member, 6th Workshop on Formal Methods for ML-Enabled Autonomous Systems, 2023.
2023		Programme Committee Member, 38th Edition of the Italian Conference on Computational Logic (CILC 2023).
2023		Local Chair and Programme Committee Member, 26th International Conference on Theory and Applications of Satisfiability Testing (SAT 23).
2022		Programme Committee Member, 21st International Conference of the Italian Association for Artificial Intelligence (AIxIA 22)
2022		Programme Committee Member, IEEE International Conference on Tools with Artificial Intelligence 2022 (ICTAI 22).
2022		Programme Committee Member, 4th International Workshop on Automated and verifiable Software sYstem Development (AYSDE 2022).
2022		Programme Committee Member, 36th AAAI Conference on Artificial Intelligence (AAAI-22).

2022	Programme Committee Member, 29th RCRA workshop: Experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2022).
2021	Programme Committee Member, 30th International Joint Conference on Artificial Intelligence (IJCAI 2021).
2021	Programme Committee Member, 35th AAAI Conference on Artificial Intelligence (AAAI-21).
2021	Programme Committee Member, 24th International Conference on Theory and Applications of Satisfiability Testing (SAT 21).
2021	Programme Committee Member, 5th International Joint Conference on Rules and Reasoning (RuleML+RR 2021).
2021	Programme Committee Member, IEEE International Conference on Tools with Artificial Intelligence 2021 (ICTAI 21).
2021	Programme Committee Member, 4th Workshop on Formal Methods for ML-Enabled Autonomous Systems, 2021.
2021	Programme Committee Member, 28th RCRA workshop: Experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2021).
2020	Program chair, 23rd International Conference on Theory and Applications of Satisfiability Testing. Alghero (Italy), July 3-10, 2020.
2020	Programme Committee Member, 29th International Joint Conference on Artificial Intelligence (IJCAI 2020).
2020	Programme Committee Member, 34th AAAI Conference on Artificial Intelligence (AAAI-20).
2020	Programme Committee Member, 24th European Conference on Artificial Intelligence (ECAI 2020).
2020	Programme Committee Member, IEEE International Conference on Tools with Artificial Intelligence 2020 (ICTAI 20).
2020	Programme Committee Member, 4th International Joint Conference on Rules and Reasoning (RuleML+RR 2020).
2020	Programme Committee Member, 35th Edition of the Italian Conference on Computational Logic (CILC 2020).
2020	Tutorial speaker, "Formal methods in the CERBERO Toolchain", in "Adaptive CPS architectures, methods and tools - The CERBERO project", HiPEAC 2020, Bologna (Italy), January 22nd, 2020.
2019	Publicity Chair, 18th International Conference of the Italian Association for Artificial Intelligence. Rende (Italy), November 19-22, 2019.
2019	Chair, PhD Workshop of the Summer School "Designing Cyber-Physical Systems – From concepts to implementation". Alghero (Italy), September 23-27, 2019.
2019	Programme Committee Member, 28th International Joint Conference on Artificial Intelligence (IJCAI 2019).

2019		Programme Committee Member, 33rd AAAI Conference on Artificial Intelligence (AAAI-19).
2019		Programme Committee Member, 22nd International Conference on Theory and Applications of Satisfiability Testing (SAT 19).
2019		Programme Committee Member, 2nd Workshop on Formal Methods for ML-Enabled Autonomous Systems, 2019.
2019		Programme Committee Member, AAAI Spring Symposium Series (SSS) 2019.
2019		Programme Committee Member, 3rd International Joint Conference on Rules and Reasoning (RuleML+RR 2019).
2019		Programme Committee Member, 26th RCRA workshop: Experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2019).
2019		Invited Guest Speaker, "A survey on applications of quantified Boolean formulas", 31st International Conference on Tools with Artificial Intelligence (ICTAI) 2019, Portland, USA, November 2019.
2019		Speaker on a panel, "Formal Methods and Machine Learning: Progress and Future directions", 2nd Workshop on Formal Methods for ML-Enabled Autonomous Systems, July 2019, New York, USA.
2019		Invited Guest Speaker, "QBFEVAL'19", International Workshop on Quantified Boolean Formulas (and Beyond), July 7th, 2019, Lisbon, Portugal.
2019		Invited Speaker, Lorentz Center Workshop "Advancing Verification Competitions as a Scientific Method", February 18-22, 2019. Leiden, The Netherlands.
2019		Tool Exhibition, 3rd World Congress on Formal Methods. October 2019, Porto, Portugal.
2019		Speaker, "Reasoning about Convolutional Neural Networks via Transfer Learning and Convex Programming", 2nd Workshop on Formal Methods for ML-Enabled Autonomous Systems (FOMLAS) Affiliated with CAV 2019, July 14th, 2019. New York, USA.
2019		Tutorial speaker, "CPS requirements formalization and verification", in "DAS-CPS: Design of adaptive and secure CPS", HiPEAC 2019, January 2019. Valencia, Spain.
2018		Chair, PhD Workshop of the Summer School "Designing Cyber-Physical Systems – From concepts to implementation". Alghero (Italy), 17-21 September 2018.
2018		Programme Committee Member, 2nd International Joint Conference on Rules and Reasoning (RuleML+RR 2018).
2018		Programme Committee Member, 25th RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2018).

2018	Invited Speaker, "Formal Methods and Cyber Physical Systems: Research Activities and Funded Projects at the IDEA Lab", JKU Computer Science Colloquium, JKU Linz, November 2018.
2018	Invited Guest Speaker, "QBFEVAL'18", International Workshop on Quantified Boolean Formulas (and Beyond), July 8th, 2018. Oxford, UK.
2018	Speaker, "Constrained Image Generation Using Binarized Neural Networks with Decision Procedures", 21st International Conference on Theory and Applications of Satisfiability Testing (SAT), July 9-12, 2018. Oxford, UK.
2018	Tutorial speaker, "CPS requirements formalization and verification", CPS Week 2018", April 10th, 2018. Porto, Portugal.
2017	Programme Committee Member, PoCR17: Pragmatics of Constraint Reasoning.
2017	Programme Committee Member, 32-esimo Convegno Italiano di Logica Computazionale (CILC 2017).
2017	Programme Committee Member, 24th RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2017).
2017	Programme Committee Member, 1st International Workshop on Practical Aspects of Answer Set Programming (PAoASP 2017).
2017	Invited speaker, "Consistency of Property Specification Patterns with Boolean and Constrained Numerical Signals", IBM Research Haifa November 2017. Haifa, Israel.
2017	Invited speaker, "ARKIVO: An Ontology for Describing Archival Resources", Birkbeck College, University of London, October 2017. London, UK.
2017	Invited Guest Speaker, "QBFEVAL'17", 20th International Conference on Theory and Applications of Satisfiability Testing (SAT'17), August 2017. Melbourne, Australia.
2017	Invited Guest Speaker, "The design of QBFEVAL'17", workshop "Pragmatics of Constraint Reasoning" (a workshop of the 23rd International Conference on Principles and Practice of Constraint Programming, 33rd International Conference on Logic Programming and 20th International Conference on Theory and Applications of Satisfiability Testing), August 2017. Melbourne, Australia.
2017	Speaker, "More adaptive does not imply less safe (with formal verification)", 13th Haifa Verification Conference (HVC), November 13-15, 2017. Haifa, Israel.
2016	Programme Committee Member, 23rd RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2016).
2016	Programme Committee Member, 15th Conference of the Italian Association for Artificial Intelligence (AIxIA 2016).

2016	Programme Committee Member, 31-esimo Convegno Italiano di Logica Computazionale (CILC 2016).
2016	Speaker on a panel, "Competitive events panel", 19th International Conference on Theory and Applications of Satisfiability Testing, July 5-8, 2016. Bordeaux, France.
2016	Invited Guest Speaker, "QBFEVAL'16", 19th International Conference on Theory and Applications of Satisfiability Testing, July 5-8, 2016. Bordeaux, France.
2016	Invited Guest Speaker, "QBFEVAL'16", International Workshop on Quantified Boolean Formulas (and Beyond), July 4th, 2016. Bordeaux, France.
2016	Speaker, "Learning with safety requirements: state of the art and open questions", 23rd RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion. November 28th, 2016. Genoa, Italy.
2015	Publicity chair, 9th International Conference on Web Reasoning and Rule Systems. Berlin (Germany), 4-5 August 2015.
2015	Programme Committee Member, 14th Conference of the Italian Association for Artificial Intelligence (AIxIA 2015).
2015	Programme Committee Member, AIxIA Doctoral Consortium 2015.
2015	Programme Committee Member, 30-esimo Convegno Italiano di Logica Computazionale (CILC 2015).
2015	Programme Committee Member, 22nd RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2015).
2015	Programme Committee Member, Didamatica 2015.
2015	Speaker, "Multi-level Algorithm Selection for ASP", 13th International Conference on Logic Programming and Non-monotonic Reasoning. September 27-30, 2015. Lexington - KY, USA.
2015	Speaker, "Advances in Multi-engine ASP Solving", 14th Conference of the Italian Association for Artificial Intelligence. September 23-25, 2015. Ferrara, Italy.
2015	Speaker, "An Empirical Perspective on Ten Years of QBF Solving", 22nd RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion, September 22nd, 2015. Ferrara, Italy.
2014	Programme Committee Member, Twenty-first European Conference on Artificial Intelligence (ECAI 2014).
2014	Programme Committee Member, 21st RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2014).
2014	Programme Committee Member, 29-esimo Convegno Italiano di Logica Computazionale (CILC 2014).

2014	Speaker, "An Ontology for Container Terminal Operations", 8th International Conference on Web Reasoning and Rule Systems. September 15-17, 2014. Athens, Greece.
2014	Speaker, "TROvE: a Graphical Tool to Evaluate OWL Reasoners", 3rd OWL Reasoner Evaluation Workshop. July 13th, 2014. Vienna, Austria.
2014	Speaker, 21th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion. July 17-18. Vienna, Austria.
2013	Programme Committee Member, Biometrics: Theories, Applications and Systems (BTAS 2013).
2013	Programme Committee Member, 20th RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2013).
2013	Programme Committee Member, 28-esimo Convegno Italiano di Logica Computazionale (CILC 2013).
2013	Speaker, "On the automated selection of ASP instantiators", 2nd Workshop on Grounding and Transformations for Theories With Variables. September 15th, 2013. La Coruna, Spain.
2012	Programme Committee Member, 19th RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2012).
2012	Programme Committee Member, Twenty-Sixth Conference on Artificial Intelligence (AAAI-12).
2012	Speaker, "The Multi-Engine ASP Solver ME-ASP, 13th European Conference on Logics in Artificial Intelligence, September 26-28, 2012. Toulouse, France.
2012	Speaker, 19th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion. June 14-15, 2012. Rome, Italy.
2012	Speaker, "Modeling Biometric Template Update with Ant Colony Optimization", 5th IAPR International Conference on Biometrics, March 30th, 2012. New Delhi, India.
2011	Invited Speaker, Department of Computer Science and Information Systems, Birkbeck, University of London. May 10th, 2011. London, UK.
2011	Speaker, "Checking Safety of Neural Networks with SMT Solvers: A Comparative Evaluation", 12th Conference of the Italian Association for Artificial Intelligence. September 15-17, 2011. Palermo, Italy.
2011	Speaker, 18th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion. July 17-18, 2011. Barcelona, Spain.
2010	Programme Committee Member, 18th RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2010).

2010		Speaker, "Designing a solver competition: the QBFEVAL'10 case study", Workshop on Evaluation Methods for Solvers and Quality Metrics for Solutions, July 20th, 2010. Edinburgh, UK.
2010		Speaker, "The Seventh QBF Solvers Evaluation (QBFEVAL'10)", Thirteenth International Conference on Theory and Applications of Satisfiability Testing. July 11-14, 2010. Edinburgh, UK.
2010		Speaker, "AQME'10 System Description", Pragmatics of SAT, July 10th, 2010. Edinburgh, UK.
2010		Speaker, "An Abstraction-Refinement Approach to Verification of Artificial Neural Networks", 17th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion. June 10-11, 2010. Bologna, Italy.
2009		Speaker, "A structural approach to reasoning with quantified Boolean formulas", 16th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion, December 11-12, 2009. Reggio Emilia, Italy.
2009		Speaker, "Hard QBF encodings made easy: dream or reality?", 11th Conference of the Italian Association for Artificial Intelligence, December 9-12, 2009. Reggio Emilia, Italy.
2008		Programme Committee Member, 16th RCRA International Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2008).
2008		Invited Guest Speaker, "QBFEVAL'08", 11th International Conference on Theory and Applications of Satisfiability Testing, May 12-15, 2008. Guangzhou, P. R. China.
2008		Speaker, "Treewidth: a useful marker of empirical hardness in quantified Boolean logic encodings", 15th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion, December 12-13, 2008. Udine, Italy.
2008		Speaker, "Treewidth: a useful marker of empirical hardness in quantified Boolean logic encodings", 15th International Conference on Logic for Programming, Artificial Intelligence and Reasoning, November 22-27, 2008. Doha, Qatar.
2008		Speaker, "QuBIS: An (in)complete solver for quantified Boolean formulas", 7th Mexican International Conference on Artificial Intelligence, October 27-30, 2008. Atizapan de Zaragoza, Mexico.
2008		Speaker, "Time to learn or time to forget? Strengths and weaknesses of a self-adaptive approach to reasoning in quantified Boolean formulas", Doctoral Program of the 14th International Conference on Principle and Practice of Constraint Programming. September 14-15, 2008. Sydney, Australia.
2008		Speaker, "What makes for hard QBF encodings?", 2nd International Workshop on Quantification in Constraint Programming. September 14th, 2008. Sydney, Australia.

2007	Speaker, "Ranking and Reputation Systems in the QBF competition", 10th Congress of Italian Association for Artificial Intelligence. September 10-13, 2007. Rome, Italy.
2007	Speaker, "Harnessing Machine Learning techniques to build a robust solver for quantified Boolean formulas", 14th RCRA Workshop on experimental evaluation of algorithms for solving problems with combinatorial explosion. July 5-6, 2007. Rome, Italy.
2006	Speaker, "Voting Systems and Automated Reasoning: the QBF Evaluation Case Study", 1st International Workshop on Computational Social Choice. December 6-8, 2006. Amsterdam, The Netherlands.
2006	Speaker, "Empirical Evaluation of Scoring Methods", 3rd European Starting AI Researcher Symposium, August 28-29, 2006. Riva del Garda, Italy.
2006	Speaker, "Scoring methods for the evaluation of Automated Reasoning Systems", Analisi sperimentale e benchmark di algoritmi per l'intelligenza artificiale. June 23th, 2006. Udine, Italy.
	Direction or participation in the activities of a research group at national or international level
2024 - present	Principal Investigator, "Smart Knowledge-Driven Environmental and Territorial Monitoring" (SKET-Monitor) Funding program: Piano Nazionale Ripresa E Resilienza (Pnrr) Missione 4, "Istruzione E Ricerca" - Componente 2, "Dalla Ricerca All'impresa" - Linea Di Investimento 1.3, Finanziato Dall'unione Europea – Nextgenerationeu", Progetto "Future Artificial Intelligence – Fair Duration: 2024 - 2025 Amount: about 200.000,00 EUR
2024 - present	Coordination board member, Regional project "Tourism, Technologies, Trends" (T3) Duration: 2024 - 2026 Amount: about 2.000.000,00 EUR
2023 - 2024	Coordination board member, stesura Piano Turistico della Regione Autonoma della Sardegna
2023 - present	Local Coordinator for UNISS, Scaling Up secure Processing, Anonymization and generation of Health Data for EU cross border collaborative research and Innovation (SECURED) Funding program: HORIZON-HLTH-2022-IND-13 Duration: 2023 - 2025 Amount: 6.999.723,75 EUR Website: https://secured-project.eu
2022 - present	WP leader, Spoke 2, e.INS - Ecosystem of Innovation for Next generation Sardinia Funding program: PNNR MUR - M4C2 - Investimento 1.5 - Avviso "Ecosistemi dell'Innovazione", D.D. n.3277 del 30 dicembre 2021, Area Cultura umanistica, creatività, società dell'inclusione Duration: 2022 - 2025 Amount: about 140.000.000,00 EUR

2021 - present	WP leader, "Innovazione, Inclusione & studi interdisciplinari per lo sviluppo del Territorio" (InnTerr) Funding program: Fondo FSC di Sviluppo e Coesione 2014/2020, Regione Sardegna Duration: 2021-2025
2022 - present	Direction, Artificial Intelligence and formal METhods Laboratory (AIMET Lab) (https://www.aimet-lab.it), University of Sassari.
2021 – present	Local Coordinator for UNISS, ECSEL H2020 project "Intelligent Motion Control project under Industry 4.E" (IMOCO4.E). Funding program: H2020-EU.2.1.1.7. - ECSEL Duration: 01/09/2021 - 31/08/2024 Amount: 31.051.318,02 EUR Website: https://www.imoco4e.eu/
2021 – present	Local Coordinator for UNISS, ECSEL H2020 project *"*AI-augmented automation for efficient DevOps, a model-based framework for continuous development At RunTime in cyber-physical systems" (AIDOaRT). Funding program: H2020-EU.2.1.1.7. - ECSEL Duration: *01/04/2021 – 31/03/2024* Amount: *22.968.348,75 EUR* Website: https://www.aidoart.eu/
2021 – present	Principal Investigator, project "Tools and techniques for Deep Neural Networks verification". Project funded by *Fondazione di Sardegna*, 2021-2022; amount: 20.000 EUR.
2019 - present	Team leader, ECSEL H2020 project *"*Framework of key enabling technologies for safe and autonomous drones' applications*" (COMP4DRONES).* Funding program: H2020-EU.2.1.1.7. - ECSEL Duration: *01/10/2019 – 30/09/2022* Amount: *29.391.259,83 EUR*
2018 - 2021	Team leader, ECSEL H2020 project *"*From the cloud to the edge - smart IntegraTion and OPtimization Technologies for highly efficient Image and VIdeo processing Systems" (FITOPTIVIS). Funding program: *ECSEL-2017-2 – RIA* Duration: *01/06/2018 – 31/05/2021* Amount: *22.469.913,75 EUR* Website: https://fitoptivis.eu/
2018 - 2021	Principal Investigator, project "Progettazione, sviluppo e ottimizzazione di sistemi intelligenti multi-oggetto" (PROSSIMO) Funding program: Regione Autonoma della Sardegna, Bando "Azioni Cluster Top-Down" Duration: *2018-2021* Amount: *284.396,00 EUR* Website: https://cluster-prossimo.it
2018 – 2021	Local Coordinator for UNISS, project "Sistema ModulARe e proaTtivo per l'ottimizzazione dell'UtiliZzo dell'Energia elettrica in Reti intelligenti" (SMART UzER) Funding program: POR Sardegna FESR 2014/2020 – ASSE PRIORITARIO I "RICERCA SCIENTIFICA, SVILUPPO TECNOLOGICO E INNOVAZIONE", Regione Sardegna Duration: *2018-2021* Amount: *182.078,00 EUR*

2018 – 2021	Local Coordinator for UNISS, project "sistema PRoattivo di Ottimizzazione dell'efficienza energetica e del COMFORT negli edifici" Funding program: POR FESR Sardegna 2014 – 2020 Asse 1 Azione 1.1.3, Strategia 2, Programma di Intervento 3, Regione Autonoma della Sardegna Duration: *2018-2021* Amount: *453.284,00 EUR*
2017 – 2022	Direction, "Intelligent system design and applications" (IDEA) research laboratory, University of Sassari.
2017 – 2021	Co-Direction, research activities related to the topic "Semantic technologies for digital archives", in co-operation with the Jozef Pilsudski Institute of America, New York.
2017 - present	Participation, research activities related to the topic "decision procedures for quantified Boolean formulas", in co-operation with Prof. Martina Seidl, JKU Linz.
2017 - 2019	Local Coordinator for UNISS, project "Piattaforma Informatica per la Logistica via Web" (PILOW) Funding program: Pacchetti Integrati di Agevolazione (PIA) Industria, Artigianato e Servizi della Regione Autonoma della Sardegna Duration: 2017-2019 Amount: 726.000,00 EUR
2017 - 2020	Task Leader, project "Cross-layer model-based framework for multi-objective design of reconfigurable systems in uncertain hybrid environments" (CERBERO). Funding program: H2020-ICT-2016-2017, Topic ICT-01-2016, Research and Innovation action Duration: 2017-2020 Amount: *5.383.597,50 EUR* Website: https://cerbero-h2020.eu
2017 - 2019	Participation, project "*Paradigmi Innovativi per l'Utilizzo della Cultura* (*PIUCultura*)". Funding program: Ministero per lo Sviluppo Economico (Fondo per la Crescita Sostenibile Bando "Agenda digitale", D.M. 15/10/2014 Progetto n. F/020016/01-02/X27.
2015 – 2017	Participation, research activities related to the topic "Ontology-Based Data Access", in co-operation with Prof. Michael Zakharyaschev, Birkbeck, University of London.
2021 - 2014	Principal investigator, project *"DESCTOP – Metodi innovativi per il supporto alle decisioni riguardanti l'ottimizzazione delle attività in un terminal container".* Funding program: Legge Regionale 7 Agosto 2007, N. 7 Promozione della ricerca scientifica e dell'innovazione tecnologica in Sardegna, Regione Sardegna e Autorità Portuale di Cagliari. Duration: 2012-2014 Amount: 338.800 EUR
2011 - present	Participation, research activities related to the topic "Modeling and verification of Cyber-Physical Systems", in co-operation with Prof. Armando Tacchella, University of Genoa.
2008 - 2010	Participation, EU project FP7-215805 "Cooperative Human Robot Interaction Systems" (CHRIS).
	Participation in committees of scientific journals

2018 - present	Editorial Board Member of the Journal on Satisfiability, Boolean Modeling and Computation (JSAT, ISSN: 1574-0617), http://jsatjournal.org/
2018 - 2019	Guest Editor of JSAT volume 11, Special volume on SAT 2018 Competitions and Evaluations (http://jsatjournal.org/volumes/11/)
PUBLICATIONS	

Articles in journals

1. Guidotti, Dario, Laura Pandolfo, and Luca Pulina. "Leveraging satisfiability modulo theory solvers for verification of neural networks in predictive maintenance applications." Information14.7 (2023): 397.
2. Laura Pandolfo and Luca Pulina - Building the Semantic Layer of the Jozef Pilsudski Digital Archive With an Ontology-Based Approach. International Journal on Semantic Web and Information Systems, Number 17, Volume 4 (2021), pages 1-21. ISSN 1552-6283. IGI Global.
3. Laura Pandolfo, Luca Pulina, and Simone Vuotto - SMT-Based Consistency Checking of Configuration Based Components Specifications. IEEE Access, Volume 9 (2021), pages 83718-83726. ISSN 21693536. IEEE.
4. Laura Pandolfo, Sara Spanu, Luca Pulina, and Enrico Grosso - Understanding and Modeling Visitor Behaviours for Enhancing Personalized Cultural Experiences. International Journal of Technology and Human Interaction, Volume 16, Number 3 (2020), pages 24-38. ISSN 1548-3908. IGI Global
5. Luca Pulina and Martina Seidl - The 2016 and 2017 QBF solvers evaluations (QBFEVAL'16 and QBFEVAL'17). Artificial Intelligence, Volume 274 (2019), pages 224-248. ISSN 0004-3702. Elsevier.
6. Massimo Narizzano, Luca Pulina, Armando Tacchella, and Simone Vuotto - Property specification patterns at work: verification and inconsistency explanation. Innovations in Systems and Software Engineering, Volume 15, Number 3 (2019), pages 307-323. ISSN 1614-5046. Springer.
7. Enrico Giunchiglia, Marco Maratea, and Luca Pulina - Translation-based approaches for solving disjunctive temporal problems with preferences. Constraints, Volume 23, Number 4 (2018), pages 383-402. ISSN 1383-7133. Springer.
8. Shashank Pathak, Luca Pulina, and Armando Tacchella - Verification and repair of control policies for safe reinforcement learning. Applied Intelligence, Volume 48, Number 4 (2018), pages 886-908. ISSN 0924-669X. Springer.
9. Paolo Marin, Massimo Narizzano, Luca Pulina, Armando Tacchella, and Enrico Giunchiglia Twelve Years of QBF Evaluations: QSAT Is PSPACE-Hard and It Shows. Fundamenta Informaticae, Volume 149, Number 1-2 (2016), pages 133-158. ISSN 0169-2968. IOS Press.
10. Shashank Pathak, Luca Pulina, and Armando Tacchella - Evaluating Probabilistic Model Checking Tools for Verification of Robot Control Policies. AI Communications, Volume 29, Number 2 (2016), pages 287-299. ISSN 0921-7126. IOS Press.

11. Marco Maratea, Luca Pulina, and Francesco Ricca - Multi-Engine ASP solving with policy adaptation. Journal of Logic and Computation, Volume 25, Number 6 (2015), pages 1285-1306. ISSN 0955-792X. First published online: December 11, 2013. Oxford University Press.

12. Marco Maratea, Luca Pulina, and Francesco Ricca - A Multi-Engine approach to Answer Set Programming. Theory and Practice of Logic Programming, Volume 14 (2014), Number 6, pages 841-868. ISSN 1471-0684. Cambridge University Press.

13. Marco Maratea and Luca Pulina - Efficient DTPP solving with a reduction-based approach. Intelligenza Artificiale, Volume 8, Number 1 (2014), pages 101-111. ISSN 1724-8035. IOS Press.

14. Luca Pulina and Armando Tacchella - Challenging SMT solvers to verify neural networks. AI Communications, Volume 25, Number 2 (2012), pages 117-135. ISSN 0921-7126. IOS Press.

15. Marco Maratea and Luca Pulina - Solving Disjunctive Temporal Problems with Preferences using Maximum Satisfiability. AI Communications, Volume 25, Number 2 (2012), pages 137-156. ISSN 0921-7126. IOS Press.

16. Luca Pulina and Armando Tacchella - NeVer: A Tool for Artificial Neural Networks Verification. Annals of Mathematics and Artificial Intelligence (AMAI), Volume 62, Number 3-4 (2011), pages 403-425. ISSN 1012-2443. Springer.

17. Luca Pulina and Armando Tacchella - An empirical study of QBF encodings: from treewidth estimation to useful preprocessing. Fundamenta Informaticae, Volume 102, Number 3-4 (2010), pages 391-427. ISSN 0169-2968. IOS Press.

18. Luca Pulina and Armando Tacchella - AQME'10 System Description. Journal on Satisfiability, Boolean Modeling and Computation, Volume 7 (2010), pages 65-70. ISSN 1574-0617. IOS Press.

19. Luca Pulina - Engineering portfolios of Machine Learning algorithms to solve complex tasks in Robotics and Automated Reasoning. PhD thesis report. AI Communications, Volume 23, Number 1 (2010), pages 61-63. ISSN 0921-7126. IOS Press.

20. Massimo Narizzano, Claudia Peschiera, Luca Pulina and Armando Tacchella - Evaluating and Certifying QBFs: a comparison of state-of-the-art tools. AI Communications, Volume 22, Number 4 (2009), pages 191-210. ISSN 0921-7126. IOS Press.

21. Luca Pulina and Armando Tacchella - A self-adaptive multi-engine solver for quantified Boolean formulas. Constraints, Volume 14, Number 1 (2009), pages 80-116. ISSN 1383-7133. Springer.

22. Massimo Narizzano, Luca Pulina and Armando Tacchella - Report of the third QBF solvers comparative evaluation. Journal on Satisfiability, Boolean Modeling and Computation, Volume 2 (2006), pages 145-164. ISSN 1574-0617. IOS Press.

Conference Articles and Book Chapters

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