

# FRANCESCO FABIANO

## Curriculum Vitae

### PERSONAL INFORMATION

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INSTITUTIONAL E-MAIL    francesco.fabiano@cs.ox.ac.uk  
PERSONAL E-MAIL          fabianofrancesco.cs@gmail.com  
WEBPAGE                    <https://francescofabiano.github.io>  
MAIN AFFILIATIONS        Oxford University • Research Associate  
                              Kellogg College     • Junior Research Fellow

### RESEARCH INTERESTS

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Artificial Intelligence • Hybrid AI Systems • Cognitive AI Architectures • Multi-agent Systems • Automated Planning  
• Logic/Constraint Programming • Epistemic/Doxastic Reasoning • Knowledge Representation • Belief Manipulation

### WORK EXPERIENCE

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01/2025– **Associate Researcher**

ongoing

Employer: University of Oxford, Oxford, United Kingdom  
Description: Part of the Erlangen AI Hub, at the University of Oxford, focused on investigating the Computational Foundations of AI and particularly on Understanding Decision Making.

10/2025– **Lecturer in Computer Science**

ongoing

Employer: Trinity College – University of Oxford, Oxford, United Kingdom  
Description: Lecturer at Trinity College, providing tutorial support to Computer Science students for the course “*Imperative Programming*”.

08/2024– **Affiliated Faculty Member**

ongoing

Employer: New Mexico State University, Las Cruces (NM), USA  
Description: Affiliated Faculty at the Computer Science Department of New Mexico State University to conduct research on Multi-Agent Epistemic Planning.

04/2020– **Joint Researcher** (telecommuting due to COVID-19 pandemic)

ongoing

Employers: International Business Machines (IBM) Corporation, Yorktown Heights (NY), USA  
Description: Part of IBM exploratory challenge #2106 aimed at developing a general and robust AI paradigm starting from cognitive theories (*i.e.*, “Thinking Fast and Slow”).

08/2023– **Assistant Professor**

08/2024

Employer: New Mexico State University, Las Cruces (NM), USA  
Description: Taught undergraduate and graduate courses in the Computer Science department, while conducting research in neuro-symbolic AI and multi-agent planning.

01/2023– **Adjunct Professor**

07/2023

Employer: Saint Joseph's University, Philadelphia (PA), USA  
Description: Taught undergraduate and graduate courses in the “Decision & System Sciences” curriculum, while conducting research in neuro-symbolic AI and multi-agent planning.

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10/2022– 09/2023	<b>Adjunct Professor – “Typing in L<sup>A</sup>T<sub>E</sub>X”</b>
	Employer: University of Parma, Parma, Italy
	Description: Structured and taught the undergraduate course “Typing in L <sup>A</sup> T <sub>E</sub> X”, open to all the students of the University.
01/2021– 12/2022	<b>Research Associate – “Artificial Intelligence for packaging production lines”</b>
	Employers: University of Parma, Parma, Italy & ACMI S.P.A., Fornovo Taro (PR), Italy
	Description: Implemented an automated reasoning tool to model production processes and that returns an optimized and safe plan that controls the robotic components in the production line.
08/2017– 05/2018	<b>Web Master</b>
	Employer: New Mexico State University, Las Cruces (NM), USA
	Description: Migrated (and maintained) the website of the College of Arts and Sciences to a user-friendly platform to simplify the College’s staff work.
01/2017– 07/2017	<b>Research Assistant</b>
	Employer: New Mexico State University, Las Cruces (NM), USA
	Description: Studied, under Prof. Enrico Pontelli, the design of an epistemic planner with particular attention to heuristics and the underlying knowledge representation.

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## EDUCATION

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11/2018– 06/2022	<b>Ph.D. in Computer Science, cum Laude</b>
	University of Udine, Italy
	Award: <b>Best Ph.D. Thesis</b> Award by GULP, 2022 (500 €)
	Advisors: Profs. Agostino Dovier, Alessandro Dal Palù and Enrico Pontelli
	Thesis title: “Planning while Believing to Know”
01/2017– 05/2018	<b>Master’s Degree in Computer Science</b>
	New Mexico State University, Las Cruces (NM), USA
	Advisor: Prof. Enrico Pontelli
	Thesis title: “EFP and PG-EFP: Epistemic Forward Planners in multi-agent domains”
10/2013– 12/2016	<b>Bachelor’s Degree in Computer Science</b>
	University of Parma, Parma, Italy
	Award: <b>Best UniPR Computer Science Student</b> Award by UNICT & Cisita, 2015
	Advisor: Prof. Alessandro Dal Palù
	Thesis title: “Load distribution analysis in an MPI framework”
09/2008– 06/2013	<b>Liceo Scientifico G. Marconi</b>
	Parma, Italy

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## FELLOWSHIPS & AWARDS

UNICT & Cisita	Best UniPR Computer Science Student Award		2015
University of Udine	Ph.D. Scholarship	€ 15 343 p.a.	2018/2021
University of Parma & ACMI S.P.A.	Research Fellowship	€ 27 088 p.a.	2021/2022
Gruppo ricercatori e Utenti Logic Programming	Ph.D. Thesis Award	€ 500	2022
USA National Institute of Standards and Technology	Research Grant (sub-contract)	\$ 1 000	2023
USA National Institute of Standards and Technology	Research Grant (sub-contract)	\$ 10 000	2024
The Pedro Arrupe, S.J., Center for Business Ethics	PRME/SDG Dashboard Research Fellow	\$ 5 000 p.a.	2023–2025
University of Oxford, Department of Computer Science	Research grant at UKRI AI Hub Project	£ 41 636 p.a.	2025/2027
UK Visas and Immigration	Global Talent Visa — Unrestricted right to work in the UK		2025/2028
OpenAI	OpenAI API Researcher Access Program	\$ 1 000	2025/2026
Kellogg College	(non-stipendiary) Junior Research Fellowship		2025/2027

## TEACHING / DIVULGATION

### Teaching

“Imperative Programming”	Trinity College, Univ. of Oxford	2024/2025
CS 570 “Analysis of Algorithms”	New Mexico State University	2024
CS 487/519 “Applied Machine Learning I”	New Mexico State University	2024
CS 153/453 “Python Programming I”	New Mexico State University	2024
CS 491/521 “Parallel Programming”	New Mexico State University	2023
CS 151/451 “C++ Programming”	New Mexico State University	2023
DSS 770 “Advanced Python Programming”	Saint Joseph’s University	2023
DSS 693 “Advanced Python Programming”	Saint Joseph’s University	2023
DSS 615 “Python Programming”	Saint Joseph’s University	2023
DSS 315 “Business Intelligence & Analytics: Concepts & Practices”	Saint Joseph’s University	2023
“Typing in LATEX”	University of Parma	2022/2023
“Algorithms and Data Structures” (Teaching Assistant)	University of Udine	2020/2021

### Advising

College Advisor to 5 students	Kellogg College (Univ. of Oxford)	2025–2026
Co-Advisor of 4 Master Theses	University of Udine	2019–2022
Co-Advisor of 18 Bachelor Theses	Universities of Udine & Parma	2019–2024

### Conference Presentations

“Building Neurosymbolic Systems with Metacognitive Control”	Lab @ AAAI 2025	26/02/2025
“H-EFP: Bridging Efficiency in Multi-Agent Epistemic Planning with Heuristics”	PRIMA 2024	20/11/2024
“An Explainable Multilingual Framework for Data Analysis Narration”	ICLP 2024	17/10/2024
“Multi-agent Epistemic Planning with Inconsistent Beliefs, Trust and Lies”	PRICAI 2021	09/11/2021
“Comprehensive Multi-Agent Epistemic Planning”	DC @ ICLP 2021	22/09/2021
“E-PDDL: A Standardized Way of Defining Epistemic Planning Problems”	KEPS @ ICAPS 2021	05/08/2021
“EFP 2.0: A Multi-Agent Epistemic Solver with Multiple e-State Representations”	ICAPS 2020	27/10/2020
“An ASP approach for arteries classification in CT-scans”	CILC 2020	15/10/2020
“Towards a Complete Characterization of Epistemic Reasoning”	CILC 2020	13/10/2020
“Design of a Solver for Multi-Agent Epistemic Planning”	ICLP 2019	24/09/2019
“Design of a Solver for Multi-Agent Epistemic Planning”	DC @ ICLP 2019	22/09/2019
“Non-Well-Founded Set Based Multi-Agent Action Language”	CILC 2019	27/08/2019

### Seminars and Talks

“Advancing Sustainable Development through AIxSDGs”	United Nations University-IAS	10/12/2025
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"Thinking Fast and Slow in AI"  
 "Planning while Believing to Know"  
 "Planning while Believing to Know"  
 "Modeling Multi-Agent Epistemic Planning in ASP"  
 "Planning while Believing to Know"  
 "Modeling Multi-Agent Epistemic Planning in ASP"  
 "Thinking Fast and Slow in AI"  
 "Planning while Believing to Know"  
 "Modeling Multi-Agent Epistemic Planning in ASP"  
 "Epistemic Reasoning in Crime Reconstruction"  
 "A Study on Fingerprint Inheritance through AI"  
 "Ill-Founded Multi-Agent Epistemic Action Language"  
 "Inheritance in Fingerprints"  
 "Epistemic Planning"

Erlangen AI Meeting @ Univ. of Oxford	20/05/2025
Erlangen AI Seminar @ Univ. of Oxford	23/04/2025
OXCAV Seminar @ Univ. of Oxford	06/02/2025
Declarative Programming class @ UniPR	16/12/2024
Haub Innovation Speaker @ SJU	17/02/2023
Declarative Programming class @ UniPR	30/11/2022
AI4HRC workshop @ UniUD	28/03/2022
ES seminar @ FBK	14/02/2020
Automated Reasoning class @ UniUD	12/12/2020
COST Action 17124 meeting	09/12/2019
COST Action 17124 meeting	09/11/2019
iFM <sup>2</sup> seminar @ UniUD	11/06/2019
GNCS-2019 workshop @ UniPR	04/06/2019
GNCS-2019 workshop @ UniPR	03/06/2019

## SCIENTIFIC CONTRIBUTIONS

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### Projects Participation

GNCS-2023	"ARICSxAI: Automated Reasoning Interpretation of CT-Scans and xAI"
GNCS-2022	"InSANE: Investigating Sparse Algorithms in the post von Neumann Era"
GNCS-2020	"NoRMA: Automazione del Ragionamento Non-Monotono su Moderne Architetture Parallele"
GNCS-2019	"Logic Programming for Early Detection of Pancreatic Cancer"
PRID-ENCASE 2019	"Efforts in the Understanding of Complex Interacting Systems"

### Research Proposal/Grants Reviewer

Toulouse Initiative for Research's Impact on Society (TIRIS), 2025 – Junior Fellowship Program • Dutch Research Council (NWO), 2024 – Research Proposal

### Chair

PRIMA, 2024 – Session Chair • SYNERGY @KR, 2024 – Organizer & Chair • ICLP & LPNMR, 2024 – Autumn School on Logic Programming Organizer • ICLP & LPNMR, 2024 – Doctoral Consortium Organizer & Chair • ICLP, 2023 – Doctoral Consortium Organizer & Chair • ICLP 2023, Session Chair

### PC Member

IJCAI, 2026 • AAAI-AIA, 2026 • AAAI, 2026 • AIES, 2025 • ECAI, 2025 • ICLP, 2025 • IJCAI, 2025 • AAAI, 2025 • AIES, 2024 • ICLP, 2024 • IJCAI, 2024 • AAAI, 2024 • ICLP, 2023 • CILC, 2023 • IEEE ICTAI, 2022 • ACAIN, 2022 • OVERLAY, 2022 • CILC, 2022 • IJCAI, 2022 • IEEE ICTAI, 2021 • IJCAI, 2021

### Journal Reviews

Engineering Applications of Artificial Intelligence (EAAI), 2025 • International Journal of Computer Theory and Engineering (IJCTE), 2024 • Journal of Artificial Intelligence Research (JAIR), 2024 • Journal of Computer Languages (COLA), 2024 • The Journal of Supercomputing, 2024 • Journal of Logic and Computation (JLC), 2023 • Journal of Artificial Intelligence (AIJ), 2019

### Conference Reviews and Sub-Reviews

PADL, 2024 • AAMAS, 2023 • AIxIA, 2022 • CP, 2022 • IJCAI, 2022 • IEEE ICTAI, 2021 • IJCAI, 2021 • ECAI, 2020 • ICLP, 2020 • IEEE ICTAI, 2020 • IJCAI, 2020 • AIIA, 2019 • LPNMR, 2019

## SCIENTIFIC PUBLICATIONS

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A complete list of my publications can be found on my DBLP and Google Scholar pages, as well as in the lists below.

### Editor

- [E1] Pedro Cabalar et al., eds. *Proceedings 40th International Conference on Logic Programming, ICLP 2024, University of Texas at Dallas, Dallas Texas, USA, October 14-17 2024*. Vol. 416. EPTCS. 2025. DOI: 10.4204/EPTCS.416.
- [E2] Lucía Gómez Álvarez et al., eds. *Joint Proceedings of the Joint Workshop on Knowledge Diversity and Cognitive Aspects of KR and the Workshop on Symbolic and Neuro-Symbolic Architectures for Intelligent Robotics Technology (KoDis-CAKR-SYNERGY 2024) co-located with the 21st International Conference on Principles of Knowledge Representation and Reasoning (KR 2024), Hanoi, Vietnam, November 2-8, 2024*. Vol. 3876. CEUR Workshop Proceedings. CEUR-WS.org, 2024. URL: <https://nbn-resolving.org/urn:nbn:de:0074-3876-8>.
- [E3] Enrico Pontelli et al., eds. *Proceedings 39th International Conference on Logic Programming, ICLP 2023, Imperial College London, UK, 9th July 2023 - 15th July 2023*. Vol. 385. EPTCS. 2023. DOI: 10.4204/EPTCS.385.

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## Journal Articles

- [J1] M. Bergamaschi Ganapini et al. "Fast, slow, and metacognitive thinking in AI". In: *npj Artificial Intelligence* 1.1 (Oct. 2025), p. 27. ISSN: 3005-1460. DOI: [10.1038/s44387-025-00027-5](https://doi.org/10.1038/s44387-025-00027-5).
  - [J2] Francesco Fabiano et al. "Thinking Fast and Slow in Human and Machine Intelligence". In: *Commun. ACM* 68.8 (July 2025), pp. 72–79. ISSN: 0001-0782. DOI: [10.1145/3715709](https://doi.org/10.1145/3715709).
  - [J3] Davide Soldà, Francesco Fabiano, and Agostino Dovier. "ECHO: A hierarchical combination of classical and multi-agent epistemic planning problems." In: *J. Log. Comput.* 33.8 (2023), pp. 1804–1831. DOI: [10.1093/logcom/exad036](https://doi.org/10.1093/logcom/exad036).
  - [J4] Francesco Fabiano and Alessandro Dal Palù. "An ASP approach for arteries classification in CT scans." In: *J. Log. Comput.* 32.2 (2022), pp. 331–346. DOI: [10.1093/logcom/exab087](https://doi.org/10.1093/logcom/exab087).
  - [J5] Alessandro Burigana et al. "Modelling Multi-Agent Epistemic Planning in ASP." In: *Theory Pract. Log. Program.* 20.5 (2020), pp. 593–608. DOI: [10.1017/S1471068420000289](https://doi.org/10.1017/S1471068420000289).
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## Conference Papers

- [C1] Alessandro Abate et al. "Best-Effort Policies for Robust Markov Decision Processes". In: *Proceedings of the AAAI Conference on Artificial Intelligence* (2026), In Press. DOI: [10.48550/ARXIV.2508.07790](https://doi.org/10.48550/ARXIV.2508.07790).
- [C2] Flavio Bertini et al. "Concept2Text: An Explainable Multilingual Rewriting of Concepts into Natural Language." In: *Proceedings of the 39th Italian Conference on Computational Logic, Rome, Italy, June 26-28, 2024*. 2024. URL: <https://ceur-ws.org/Vol-3733/paper14.pdf>.
- [C3] Flavio Bertini et al. "Data2Concept2Text: An Explainable Multilingual Framework for Data Analysis Narration." In: *Proceedings 40th International Conference on Logic Programming, ICLP 2024, University of Texas at Dallas, Dallas Texas, USA, October 14-17 2024*. 2024, pp. 139–152. DOI: [10.4204/EPTCS.416.13](https://doi.org/10.4204/EPTCS.416.13).
- [C4] David Buckingham et al. "Action Language mA\* with Higher-Order Action Observability." In: *Proceedings of the 21st International Conference on Principles of Knowledge Representation and Reasoning, KR 2024, Hanoi, Vietnam. November 2-8, 2024*. 2024. DOI: [10.24963/KR.2024/20](https://doi.org/10.24963/KR.2024/20).
- [C5] Francesco Fabiano et al. " $\mathcal{H}$ -EFP: Bridging Efficiency in Multi-agent Epistemic Planning with Heuristics." In: *PRIMA 2024: Principles and Practice of Multi-Agent Systems - 25th International Conference, Kyoto, Japan, November 18-24, 2024, Proceedings*. 2024, pp. 81–86. DOI: [10.1007/978-3-031-77367-9\\_7](https://doi.org/10.1007/978-3-031-77367-9_7).
- [C6] Vishal Pallagani et al. "On the Prospects of Incorporating Large Language Models (LLMs) in Automated Planning and Scheduling (APS)." In: *Proceedings of the Thirty-Fourth International Conference on Automated Planning and Scheduling, ICAPS 2024, Banff, Alberta, Canada, June 1-6, 2024*. 2024, pp. 432–444. DOI: [10.1609/icaps.v34i1.31503](https://doi.org/10.1609/icaps.v34i1.31503).
- [C7] Marianna Bergamaschi Ganapini et al. "Value-based Fast and Slow AI Nudging." In: *Proceedings of the Workshop on Ethics and Trust in Human-AI Collaboration: Socio-Technical Approaches (ETHAICS 2023) co-located with 32nd International Joint Conference on Artificial Intelligence (IJCAI 2023) Macao, August 21, 2023., Macao, August 21, 2023*. 2023. URL: <https://ceur-ws.org/Vol-3547/paper6.pdf>.
- [C8] Vishal Pallagani et al. "Plansformer Tool: Demonstrating Generation of Symbolic Plans Using Transformers." In: *Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence, IJCAI 2023, 19th-25th August 2023, Macao, SAR, China*. 2023, pp. 7158–7162. DOI: [10.24963/IJCAI.2023/839](https://doi.org/10.24963/IJCAI.2023/839).
- [C9] Flavio Bertini et al. "CARING for xAI." In: *Proceedings of the 37th Italian Conference on Computational Logic, Bologna, Italy, June 29 - July 1, 2022*. 2022, pp. 47–60. URL: [https://ceur-ws.org/Vol-3204/paper\\_5.pdf](https://ceur-ws.org/Vol-3204/paper_5.pdf).
- [C10] Alessandro Burigana and Francesco Fabiano. "The Epistemic Planning Domain Definition Language (Short Paper)." In: *Proceedings of the 10th Italian workshop on Planning and Scheduling (IPS 2022), RCRA Incontri E Confronti (RiCeRcA 2022), and the workshop on Strategies, Prediction, Interaction, and Reasoning in Italy (SPIRIT 2022) co-located with 21st International Conference of the Italian Association for Artificial Intelligence (AIxIA 2022), November 28 - December 2, 2022, University of Udine, Udine, Italy*. 2022. URL: [https://ceur-ws.org/Vol-3345/paper5\\_2497.pdf](https://ceur-ws.org/Vol-3345/paper5_2497.pdf).
- [C11] Marianna Bergamaschi Ganapini et al. "Combining Fast and Slow Thinking for Human-like and Efficient Decisions in Constrained Environments." In: *Proceedings of the 16th International Workshop on Neural-Symbolic Learning and Reasoning as part of the 2nd International Joint Conference on Learning & Reasoning (IJCLR 2022), Cumberland Lodge, Windsor Great Park, UK, September 28-30, 2022*. 2022, pp. 171–185. URL: <https://ceur-ws.org/Vol-3212/paper12.pdf>.
- [C12] Marianna Bergamaschi Ganapini et al. "Thinking Fast and Slow in AI: The Role of Metacognition." In: *Machine Learning, Optimization, and Data Science - 8th International Workshop, LOD 2022, Certosa di Pontignano, Italy, September 19-22, 2022, Revised Selected Papers, Part II*. 2022, pp. 502–509. DOI: [10.1007/978-3-031-25891-6\\_38](https://doi.org/10.1007/978-3-031-25891-6_38).

- [C13] Davide Soldà, Francesco Fabiano, and Agostino Dovier. “Epistemic Multiagent Reasoning with Collaborative Robots.” In: *Proceedings of the 37th Italian Conference on Computational Logic, Bologna, Italy, June 29 - July 1, 2022*. 2022, pp. 32–46. URL: [https://ceur-ws.org/Vol-3204/paper\\_4.pdf](https://ceur-ws.org/Vol-3204/paper_4.pdf).
- [C14] Grady Booch et al. “Thinking Fast and Slow in AI.” In: *Thirty-Fifth AAAI Conference on Artificial Intelligence, AAAI 2021, Thirty-Third Conference on Innovative Applications of Artificial Intelligence, IAAI 2021, The Eleventh Symposium on Educational Advances in Artificial Intelligence, EAAI 2021, Virtual Event, February 2-9, 2021*. 2021, pp. 15042–15046. DOI: [10.1609/AAAI.V35I17.17765](https://doi.org/10.1609/AAAI.V35I17.17765).
- [C15] Francesco Fabiano. “Comprehensive Multi-Agent Epistemic Planning.” In: *Proceedings 37th International Conference on Logic Programming (Technical Communications), ICLP Technical Communications 2021, Porto (virtual event), 20-27th September 2021*. 2021, pp. 248–257. DOI: [10.4204/EPTCS.345.41](https://doi.org/10.4204/EPTCS.345.41).
- [C16] Francesco Fabiano et al. “Epistemic Planning in a Fast and Slow Setting.” In: *Proceedings of the Thinking Fast and Slow and Other Cognitive Theories in AI, a AAAI 2022 Fall Symposium, Westin Arlington Gateway in Arlington, Virginia, November 17-19, 2022*. 2021. URL: <https://ceur-ws.org/Vol-3332/paper7.pdf>.
- [C17] Francesco Fabiano et al. “Multi-agent Epistemic Planning with Inconsistent Beliefs, Trust and Lies.” In: *PRICAI 2021: Trends in Artificial Intelligence - 18th Pacific Rim International Conference on Artificial Intelligence, PRICAI 2021, Hanoi, Vietnam, November 8-12, 2021, Proceedings, Part I*. 2021, pp. 586–597. DOI: [10.1007/978-3-030-89188-6\\_44](https://doi.org/10.1007/978-3-030-89188-6_44).
- [C18] Marianna Bergamaschi Ganapini et al. “Combining Fast and Slow Thinking for Human-like and Efficient Navigation in Constrained Environments.” In: *Proceedings of the Thinking Fast and Slow and Other Cognitive Theories in AI, a AAAI 2022 Fall Symposium, Westin Arlington Gateway in Arlington, Virginia, November 17-19, 2022*. 2021. URL: <https://ceur-ws.org/Vol-3332/paper10.pdf>.
- [C19] Francesco Fabiano. “Towards a Complete Characterization of Epistemic Reasoning: the Notion of Trust.” In: *Proceedings of the 35th Italian Conference on Computational Logic - CILC 2020, Rende, Italy, October 13-15, 2020*. 2020, pp. 21–35. URL: <https://ceur-ws.org/Vol-2710/paper2.pdf>.
- [C20] Francesco Fabiano and Alessandro Dal Palù. “An ASP Approach for Arteries Classification in CT-scans.” In: *Proceedings of the 35th Italian Conference on Computational Logic - CILC 2020, Rende, Italy, October 13-15, 2020*. 2020, pp. 312–326. URL: <https://ceur-ws.org/Vol-2710/paper20.pdf>.
- [C21] Francesco Fabiano et al. “EFP 2.0: A Multi-Agent Epistemic Solver with Multiple E-State Representations.” In: *Proceedings of the Thirtieth International Conference on Automated Planning and Scheduling, Nancy, France, October 26-30, 2020*. 2020, pp. 101–109. URL: <https://ojs.aaai.org/index.php/ICAPS/article/view/6650>.
- [C22] Francesco Fabiano. “Design of a Solver for Multi-Agent Epistemic Planning.” In: *Proceedings 35th International Conference on Logic Programming (Technical Communications), ICLP 2019 Technical Communications, Las Cruces, NM, USA, September 20-25, 2019*. 2019, pp. 403–412. DOI: [10.4204/EPTCS.306.54](https://doi.org/10.4204/EPTCS.306.54).
- [C23] Francesco Fabiano et al. “Non-Well-Founded Set Based Multi-Agent Epistemic Action Language.” In: *Proceedings of the 34th Italian Conference on Computational Logic, Trieste, Italy, June 19-21, 2019*. 2019, pp. 242–259. URL: <https://ceur-ws.org/Vol-2396/paper38.pdf>.
- [C24] Tiep Le et al. “EFP and PG-EFP: Epistemic Forward Search Planners in Multi-Agent Domains.” In: *Proceedings of the Twenty-Eighth International Conference on Automated Planning and Scheduling, ICAPS 2018, Delft, The Netherlands, June 24-29, 2018*. 2018, pp. 161–170. URL: <https://aaai.org/ocs/index.php/ICAPS/ICAPS18/paper/view/17733>.

## Technical Reports and Preprints

- [T1] Giovanni Bruglia, Francesco Fabiano, and Stefano Mariani. “Scaling Multi-Agent Epistemic Planning through GNN-Derived Heuristics”. In: *CoRR* abs/2508.12840 (2025). DOI: [10.48550/ARXIV.2508.12840](https://doi.org/10.48550/ARXIV.2508.12840). arXiv: 2508.12840.
- [T2] Frederik Baymler Mathiesen et al. “Certified Neural Approximations of Nonlinear Dynamics”. In: *CoRR* abs/2505.15497 (2025). DOI: [10.48550/ARXIV.2505.15497](https://doi.org/10.48550/ARXIV.2505.15497). arXiv: 2505.15497.
- [T3] Vishal Pallagani et al. *On the Prospects of Incorporating Large Language Models (LLMs) in Automated Planning and Scheduling (APS)*. 2024. DOI: [10.48550/ARXIV.2401.02500](https://doi.org/10.48550/ARXIV.2401.02500).
- [T4] Francesco Fabiano et al. *Fast and Slow Planning*. 2023. DOI: [10.48550/ARXIV.2303.04283](https://doi.org/10.48550/ARXIV.2303.04283).
- [T5] Marianna Bergamaschi Ganapini et al. *Value-based Fast and Slow AI Nudging*. 2023. DOI: [10.48550/ARXIV.2307.07628](https://doi.org/10.48550/ARXIV.2307.07628).
- [T6] Vishal Pallagani et al. *Understanding the Capabilities of Large Language Models for Automated Planning*. 2023. DOI: [10.48550/ARXIV.2305.16151](https://doi.org/10.48550/ARXIV.2305.16151).
- [T7] Marianna Bergamaschi Ganapini et al. *Combining Fast and Slow Thinking for Human-like and Efficient Navigation in Constrained Environments*. 2022. URL: <https://arxiv.org/abs/2201.07050>.

- [T8] Vishal Pallagani et al. *Plansformer: Generating Symbolic Plans using Transformers*. 2022. DOI: [10.48550/ARXIV.2212.08681](https://doi.org/10.48550/ARXIV.2212.08681).
- [T9] Francesco Fabiano et al. *E-PDDL: A Standardized Way of Defining Epistemic Planning Problems*. 2021. URL: <https://arxiv.org/abs/2107.08739>.
- [T10] Marianna Bergamaschi Ganapini et al. *Thinking Fast and Slow in AI: the Role of Metacognition*. 2021. URL: <https://arxiv.org/abs/2110.01834>.
- [T11] Grady Booch et al. *Thinking Fast and Slow in AI*. 2020. URL: <https://arxiv.org/abs/2010.06002>.
- [T12] Alessandro Burigana et al. *Modelling Multi-Agent Epistemic Planning in ASP*. 2020. URL: <https://arxiv.org/abs/2008.03007>.

I authorize the processing of my personal data for the purposes of personnel research and selection.

December 11, 2025

