FRANCESCO FABIANO

Curriculum Vitae

PERSONAL INFORMATION

🏠	ADDRESS	221 Campbell Road, Oxford OX4 3NS, Oxfordshire, UK
📞	CELL PHONE	(+44) 7493 473145
✉	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

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

01/2025– ongoing

Associate Researcher

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– ongoing

Lecturer in Computer Science

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– ongoing

Affiliated Faculty Member

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– ongoing

Joint Researcher (telecommuting due to COVID-19 pandemic)

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– 08/2024

Assistant Professor

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– 07/2023

Adjunct Professor

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.

10/2022–09/2023	**Adjunct Professor** – *"Typing in LaTeX"*
	Employer: University of Parma, Parma, Italy
	Description: Structured and taught the undergraduate course *"Typing in LaTeX"*, open to all the students of the University.

01/2021–12/2022	**Research Associate** – *"Artificial Intelligence for packaging production lines"*
	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	**Web Master**
	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	**Research Assistant**
	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.

EDUCATION

11/2018–06/2022	**Ph.D. in Computer Science, cum Laude** University of Udine, Udine, Italy
	Award: Best Ph.D. Thesis 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	**Master's Degree in Computer Science** 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	**Bachelor's Degree in Computer Science** University of Parma, Parma, Italy
	Award: Best UniPR Computer Science Student Award by UNICT & Cisita, 2015
	Advisor: Prof. Alessandro Dal Palù
	Thesis title: *"Load distribution analysis in an MPI framework"*

| 09/2008–06/2013 | **Liceo Scientifico G. Marconi** Parma, Italy |

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 Bussiness 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 Colleg, 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

"Thinking Fast and Slow in AI"	Erlangen AI Meeting @ Univ. of Oxford	20/05/2025
"Planning while Believing to Know"	Erlangen AI Seminar @ Univ. of Oxford	23/04/2025
"Planning while Believing to Know"	OXCAV Seminar @ Univ. of Oxford	06/02/2025
"Modeling Multi-Agent Epistemic Planning in ASP"	Declarative Programming class @ UniPR	16/12/2024
"Planning while Believing to Know"	Haub Innovation Speaker @ SJU	17/02/2023
"Modeling Multi-Agent Epistemic Planning in ASP"	Declarative Programming class @ UniPR	30/11/2022
"Thinking Fast and Slow in AI"	AI4HRC workshop @ UniUD	28/03/2022
"Planning while Believing to Know"	ES seminar @ FBK	14/02/2020
"Modeling Multi-Agent Epistemic Planning in ASP"	Automated Reasoning class @ UniUD	12/12/2020
"Epistemic Reasoning in Crime Reconstruction"	COST Action 17124 meeting	09/12/2019
"A Study on Fingerprint Inheritance through AI"	COST Action 17124 meeting	09/11/2019
"Ill-Founded Multi-Agent Epistemic Action Language"	iFM^2 seminar @ UniUD	11/06/2019
"Inheritance in Fingerprints"	GNCS-2019 workshop @ UniPR	04/06/2019
"Epistemic Planning"	GNCS-2019 workshop @ UniPR	03/06/2019

SCIENTIFIC CONTRIBUTIONS

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

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.

Journal Articles and Book Chapters

[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.

[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.

[J3]   David S. Steingard and Francesco Fabiano. "Advancing Sustainable Development through AIxSDGs". In: *Artificial Intelligence and Responsible Management Education: Current Applications and Future Directions*. Ed. by Noha El-Bassiouny et al. Routledge, 2025, pp. 13–31. ISBN: 1-04-111504-0. DOI: 10.4324/9781003660286-3.

[J4]   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.

[J5]   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.

[J6]   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.

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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.

[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.
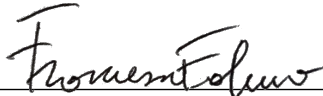
Technical Reports and Preprints

[T1] Giovanni Briglia, 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. 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. 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.

[T4] Francesco Fabiano et al. *Fast and Slow Planning.* 2023. DOI: 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.

[T6] Vishal Pallagani et al. *Understanding the Capabilities of Large Language Models for Automated Planning.* 2023. DOI: 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.

[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 12, 2025