Giovanni Varricchione

Personal info

Address: Buys Ballotgebouw 5.24, Princetonplein 5, Utrecht, Netherlands
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Education

Universiteit Utrecht   *March 2021 - February 2026 (expected end date)*
PhD in Formal Modelling of Intelligent Agents and Multi-Agent Systems

- Intelligent Systems Group
- Supervised by Prof. Dr. Mehdi Dastani and Dr. Brian Logan
- My research focuses on applying formal methods to reinforcement learning

Universiteit van Amsterdam   *September 2019 - April 2021*
MSc in Logic

- Thesis: Complexity of Locally Fair Allocations on Graphs
- GPA: 8.97/10 (*cum laude*)

Università degli Studi di Roma "La Sapienza"   *September 2018 - August 2019*
MSc in Computer Science (not completed)

- Classes taken: Models of Computation, Machine Learning, Mathematical Logic for Computer Science, Biometric Systems, Natural Language Processing

Università degli Studi di Roma "La Sapienza"   *September 2015 - October 2018*
BSc in Computer Science

- Thesis title: Automatic Versions of Combinatorics Theorems
- Grade: 110/110 (*cum laude*)

Publications

Maximally Permissive Reward Machines
GV, Natasha Alechina, Mehdi Dastani, and Brian Logan. To appear in *Proceedings of the 27th European Conference on Artificial Intelligence (ECAI 2024).*

Pure-Past Action Masking
GV, Natasha Alechina, Mehdi Dastani, Giuseppe De Giacomo, Brian Logan, and Giuseppe Perelli. In *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI 2024); Safe, Robust and Responsible AI track.*

Synthesising Reward Machines for Cooperative Multi-Agent Reinforcement Learning
GV, Natasha Alechina, Mehdi Dastani, and Brian Logan. In *Proceedings of the 20th European Conference on Multi-Agent Systems (EUMAS 2023).*

Grants and Scholarships

ASL travel support 2024
I was awarded a scholarship to attend the Logic Colloquium in June 2024. The scholarship covers the registration and banquet fees (4170 SEK).

TAILOR Connectivity Fund 2022
The funding was used to visit the group of professor Giuseppe De Giacomo in Rome, in July 2022.

Organisational Experience

VvL PhD day 21st June 2024
I'm part of the organising committee for the 2024 edition of the VvL PhD day.

VvL Essentials 2023-
I'm one of the organisers of the VvL Essentials seminars. In the seminars, we invite researchers from various Dutch universities to give high-level lectures on their topics of research that are related to logic and its applications.

Personal skills

Languages	Italian (native)
	English (fluent)
	Dutch (beginner)
Programming Languages	C, C++, Java, Python