

Oliviero Nardi

Curriculum Vitæ

Institute of Logic and Computation, room HA0307
Favoritenstraße 9-11, 1040 Vienna
✉ oliviero.nardi@tuwien.ac.at
📄 olinarr.github.io

PhD student interested in Computational Social Choice.

Education

- 2022 – Present **PhD student (MSCA)**, TU Wien, Austria.
Apr
 - *Supervisor*: Stefan Woltran
 - *Programme*: LogiCS@TUWien
 - *Funding*: Marie Skłodowska-Curie Action (COFUND)
- 2019 – 2021 **MSc in Artificial Intelligence (cum laude)**, University of Amsterdam, The Netherlands.
Sep Jul
 - *Thesis*: A Graph-Based Algorithm for the Automated Justification of Collective Decisions
 - *Supervisors*: Arthur Boixel and Ulle Endriss
 - *GPA*: 9.3/10
- 2016 – 2019 **BSc in Computer Science (cum laude)**, University of Verona, Italy.
Sep Jul
 - *Thesis*: Control of a Robotic Arm through Reinforcement Learning
 - *Supervisor*: Alessandro Farinelli
 - *Final evaluation*: 110/110 cum laude
 - *GPA*: 29.9/30

Employment

- 2022 – Present **University Assistant**, TU Wien, Vienna, Austria.
Apr
- 2021 – 2022 **Research Assistant**, Institute for Logic, Language and Computation, Amsterdam, The Netherlands.
Sep Feb
- 2020 – 2021 **Teaching Assistant**, University of Amsterdam, Amsterdam, The Netherlands.
Oct Jan

Awards

- 2022 **UvA Thesis Prize 2022**: University-wide winner of the best thesis award
Jun

Teaching Experience

- Winter semesters **Formal Methods in Computer Science**, MSc in Logic and Computation, TU Wien.
2022–2023 Preparing and grading homework.
- Winter semester **Scientific Research and Writing**, BSc in Informatics, TU Wien.
2022 Grading seminar papers.
- Winter semester **Natural Language Processing**, MSc in Artificial Intelligence, University of Amsterdam.
2020 Giving tutorials, grading homework and exams.

Computer Skills

Programming Languages

- Fluent Python, Java, C, MATLAB
- Intermediate Haskell, Prolog, Scheme, JavaScript

Other

LaTeX, HTML, CSS, Flask, Answer Set Programming, SAT Solvers, Bash, Scientific Python libraries (Numpy, Pytorch, Pandas, Nltk)

Language Skills

Italian Native speaker
English Fluent speaker

Extra Courses

- Winter 2015 **Algorithms and Problem Solving**, University of Verona, Italy, 30/30 cum laude.
Part of the “Tandem Project” with the University of Verona and “L. Da Vinci” high school.
- Winter 2014 **Algorithms and Coding**, University of Verona, Italy, 30/30 cum laude.
Part of the “Tandem Project” with the University of Verona and “L. Da Vinci” high school.

Academic Activities

I have served as a subreviewer for the international journal *Algorithmica*, and the *ECAI 2023*, *AAMAS 2024* and *IJCAI 2024* conferences.

Talks

- July 2023 **COMSOC 2023**, Beersheba, Israel.
Title: “Repeated Fair Allocation of Indivisible Items”.
- June 2023 **AAMAS 2023**, London, UK.
Title: “Free-Riding in Multi-Issue Decisions”.
- July 2022 **IJCAI 2022**, Vienna, Austria.
Title: “Displaying Justifications for Collective Decisions” (demo paper).
- May 2022 **AAMAS 2022**, Online.
Title: “A Graph-Based Algorithm for the Automated Justification of Collective Decisions”.

Publications

Conference publications

Michael Bernreiter, Jan Maly, Oliviero Nardi, and Stefan Woltran. Combining Voting and Abstract Argumentation to Understand Online Discussions. In *Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2024)*. IFAAMAS, May 2024.

Ayumi Igarashi, Martin Lackner, Oliviero Nardi, and Arianna Novaro. Repeated Fair Allocation of Indivisible Items. In *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI 2024)*. AAAI Press, February 2024. Early version presented at COMSOC 2023.

Martin Lackner, Jan Maly, and Oliviero Nardi. Free-Riding in Multi-Issue Decisions. In *Proceedings of the 22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2023)*. IFAAMAS, May 2023.

Michele Ambrosi, Francesco Beltramini, Federico De Meo, Oliviero Nardi, Mattia Pacchin, and Marco Rocchetto. The Etiology of Cybersecurity. In *Applied Cryptography and Network Security Workshops (ACNS Workshops 2022)*, September 2022.

Arthur Boixel, Ulle Endriss, and Oliviero Nardi. Displaying Justifications for Collective Decisions. In *Proceedings of the 31st International Joint Conference on Artificial Intelligence (IJCAI 2022)*, July 2022. Demo paper.

Oliviero Nardi, Arthur Boixel, and Ulle Endriss. A Graph-Based Algorithm for the Automated Justification of Collective Decisions. In *Proceedings of the 21st International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2022)*. IFAAMAS, May 2022.

Theses

Oliviero Nardi. A Graph-Based Algorithm for the Automated Justification of Collective Decisions. Master's thesis, University of Amsterdam, ILLC, July 2021. Winner of the UvA Thesis Award 2022.