

Oliviero Nardi

Curriculum Vitæ

Institute of Logic and Computation, room HA0307
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🌐 olinarr.github.io

PhD student in Computational Social Choice

Education

- 2022 – Present Apr **PhD student (MSCA)**, TU Wien, Austria
- *Supervisor*: Stefan Woltran
 - *Programme*: LogiCS@TUWien
 - *Funding*: Marie Skłodowska-Curie Action (COFUND)
- 2024 – 2024 Oct Dec **Visiting student at LAMSADE**, Paris Dauphine University, France
- *Visiting* Jérôme Lang and Dominik Peters
 - *Funding*: Erasmus+ traineeship program
- 2019 – 2021 Sep Jul **MSc in Artificial Intelligence (cum laude)**, University of Amsterdam, The Netherlands
- *Thesis*: A Graph-Based Algorithm for the Automated Justification of Collective Decisions
 - *Supervisors*: Arthur Boixel and Ulle Endriss
 - *GPA*: 9.3/10
- 2016 – 2019 Sep Jul **BSc in Computer Science (cum laude)**, University of Verona, Italy
- *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 Apr **University Assistant**, TU Wien, Vienna, Austria
- 2021 – 2022 Sep Feb **Research Assistant**, Institute for Logic, Language and Computation, Amsterdam, The Netherlands
- 2020 – 2021 Oct Jan **Teaching Assistant**, University of Amsterdam, Amsterdam, The Netherlands

Awards

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

Teaching Experience

- 2024–2025 **Co-Supervision of two Master's theses**, MSc in Logic and Computation, TU Wien
- Summer semester 2025 **Preferences in Artificial Intelligence**, MSc in Logic and Computation, TU Wien
- Lecturing, supervising student projects.
- Winter semesters 2022–2024 **Formal Methods in Computer Science**, MSc in Logic and Computation, TU Wien
- Preparing and grading homework.
- Winter semester 2022 **Scientific Research and Writing**, BSc in Informatics, TU Wien
- Grading seminar papers.
- Winter semester 2020 **Natural Language Processing**, MSc in Artificial Intelligence, University of Amsterdam
- Giving tutorials, grading homework and exams.

Computer Skills

Programming Languages

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

Other

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

Language Skills

Italian Native speaker
English Fluent speaker
German A2-level 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 reviewer for *JAIR* and as a subreviewer for *Algorithmica*. Moreover, I served as a PC member for *AAAI 2026* and *AAMAS 2026*. Finally, I served as subreviewer for the *ECAI 2023*, *IJCAI 2024*, *ADT 2024*, *AAAI 2025*, *GDN 2025*, *KI 2025*, *JELIA 2025*, *COMSOC 2025*, *DIGHUM-RES 2025*, and *AAMAS 2024–2026* conferences.

Additionally, I have helped co-organize *COMSOC 2025* in Vienna.

Selected talks

October 2025 **M-Pref 2025**, *Bologna*, Italy
Title: “Avoiding Overrepresentation: Upper Quota Axioms for Committee Voting”.
October 2025 **Dagstuhl 25401**, *Dagstuhl*, Germany
Title: “Repeated Fair Allocation of Indivisible Items”.
May 2024 **AAMAS 2024**, *Auckland*, New Zealand
Title: “Combining Voting and Abstract Argumentation to Understand Online Discussions”.
October 2023 **COMSOC Video Seminar**, *Online*
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

Journal publications

Martin Lackner, Jan Maly, and Oliviero Nardi. Free-Riding in Multi-Issue Decisions. *Journal of Artificial Intelligence Research (JAIR)*. Forthcoming.

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)*, pages 170–179. 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)*, pages 9781–9789. 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)*, pages 2040–2048. 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)*, pages 299–319. Springer, 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)*, pages 5892–5895, 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)*, pages 935–943. IFAAMAS, May 2022.

Theses

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

Oliviero Nardi. Control of a Robotic Arm through Reinforcement Learning, July 2019. Bachelor’s Thesis. In Italian.

Preprints

Jan Maly, Oliviero Nardi, and Zoi Terzopoulou. Sociotropic Behavior in Voting, September 2025. Presented as a poster at COMSOC 2025.

Martin Lackner and Oliviero Nardi. Avoiding Overrepresentation: Upper Quota Axioms for Committee Voting, October 2025. Presented at M-Pref 2025.