Damiano Giallongo

Research fellow · Politecnico di Torino · AI and the future of work

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EXPERIENCE

Politecnico di Torino Nov 2026 – present
Research fellow · Turin, Italy
Research on AI and the future of work. Supervised by Daniele Quercia and Tania Cerquitelli.

Nokia Bell Labs Jun 2026 – Aug 2026
Summer visiting researcher · Cambridge, UK
Two projects: how the choice of AI exposure measure changes which occupations a policy prioritises, and how demanding each occupation is, measured from the skills it requires.

Saryga Feb 2026 – May 2026
Intern · Grenoble, France
Built data tools for expansion beyond healthcare: matched 90+ geospatial firms to 140+ technical methods, modelled 290+ days of visitor flow, and prototyped video tracking.

The Open University Jan 2026 – Mar 2026
Researcher, Knowledge Media Institute · Milton Keynes, UK
Studied how AI exposure differs between male- and female-dominated occupations, across 900+ occupations, in a team of seven. Findings were published at AIES 2026 and informed a House of Lords roundtable.

EDUCATION

Politecnico di Torino Sep 2024 – Sep 2026
MSc in Mathematical Engineering · Turin, Italy
110/110 cum laude. GPA 29.2/30. Coursework completed in 1.5 years instead of 2.

KTH Royal Institute of Technology Aug 2025 – Jan 2026
Exchange student, Applied and Computational Mathematics · Stockholm, Sweden
Highest grade in all five courses.

Università di Pisa Sep 2021 – Sep 2024
BSc in Physics · Pisa, Italy
110/110 cum laude. Thesis on Shor's quantum algorithm for factoring integers.

PUBLICATIONS

- **When AI Enters the Workplace, Who Faces Greater Risk? A Gendered Analysis.** M. Fernandez, Á. Pavón Pérez, D. Giallongo, D. Ghia, M. Yaqub, D. Quercia, T. Cerquitelli. *Proceedings of AIES 2026*, 9(2), 924-935. doi.org/10.1609/aies.v9i2.43195

INVITED TALKS

- **Artificial Intelligence, Work, and Gender Inequality: Measuring Unequal Exposure in the Age of AI.** KMi Seminar, KMi Podium, The Open University (in person), 10 March 2026. kmi.open.ac.uk/seminars/4005

WORK IN PROGRESS

- **Each new wave of AI reaches more demanding work.** D. Giallongo, D. Quercia.

- **Rich Western countries skew the visibility of AI use.** D. Giallongo, D. Ghia, E. P. Bogucka, T. Cerquitelli, D. Quercia.
- **The AI measure you pick changes which workers policy targets.** D. Giallongo, D. Ghia, T. Cerquitelli, D. Quercia.
- **What AI cannot reach in our jobs.** D. Giallongo, G. Agosta, T. Cerquitelli, D. Quercia.
- **Which kinds of thinking can AI take over?** With the University of Bologna and Nokia Bell Labs.
- **A foresight tool for the future of work.**
- **How the news covers AI companies.** Bachelor's thesis I am co-supervising.

POLICY IMPACT

- Findings included in the Fawcett Society white paper *Can We Afford to Automate Gender Inequality?* (2026), presented at a House of Lords roundtable, 16 April 2026.

OTHER

- Resident student, Collegio Universitario Einaudi, college of merit, Turin (Sep 2024 – Sep 2025).
- Seasonal school on AI, robotics, and extended reality (AIRONE), Scuola Superiore Sant'Anna, Pisa (Apr 2025).
- Languages: Italian (native), English (C1, Cambridge CAE).
- Tools: Python, R, SQL, MATLAB.