

MICHELE LOI, Ph.D.

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PROFILE

I develop frameworks for the operational governance of AI deployments. University lecture in AI ethics. Philosophy researcher (Ph.D. h=26, 2500 total). Focus: accountability and evidence-based oversight, including through AI-assisted processes.

Core expertise:

LLM governance & assurance • Algorithmic Fairness & Non-Discrimination • Impact Assessment Methodologies • Human oversight / accountability evidence • Standards Development • Policy Translation • Multistakeholder Engagement

----CURRENT POSITIONS

Independent Consultant: I design knowledge workflows for high-skill document work, translating expert reasoning into structured methods, decision rules, and reusable AI-assisted processes.

University of Milan | Milan | 2024–Present

Adjunct Professor

- "AI, Ethics and Law" (Ethics component)

----EDUCATION & QUALIFICATIONS

LUISS Guido Carli University, Rome | 2007

Ph.D., Political Theory

- Dissertation: "Well-being: an Investigation into its Natural Boundaries"

*University of Cagliari | 2003 | *summa cum laude**

4 year (equivalent to MA level) Laurea, Philosophy

- Thesis "Consciousness: the Hard Problem"

United World College of the Adriatic

International Baccalaureate

---PROFESSIONAL EXPERIENCE

AlgorithmWatch | Milan/Berlin | Sept 2023–Present

Senior Scientific Advisor

- Scientific lead of "Auditing Algorithms for Systemic Risks" project. Focus on risk assessment, accountability evidence, and audit methodologies for high-impact AI systems (EU AI Act / DSA context).
- Lead author of AlgorithmWatch Impact Assessment Tool (v2) for assessing AI/algorithmic systems in practice.
- Co-author-level contributor to the FRIA guide under the EU AI Act (methodology and practical guidance).
- Led research on political bias in Large Language Models, translating findings into governance implications.
- Primary contributor to forthcoming guidance for democratic decision-makers on the use of LLMs (working title).
- Conducted research on DSA auditing methodologies and standards, with focus on operationalisation and accountability.

Politecnico di Milano | Sept 2021–Aug 2023

Marie Skłodowska-Curie Individual Fellow

- EU Horizon 2020 fellowship (rated 100/100).
- Developed scientific articles and a fairness assessment tool/methodology

University of Zurich | 2017–2023

Senior Researcher & Principal Investigator, co-PI, "Socially Acceptable and Fair Algorithms" and "Fair Algorithms"

- Grant writing (three funded)
- Integration of philosophical concept into practical bias audit methodology
- Coordination of computer science and philosophy PhD candidates/post-docs

Project Manager, Digital Society Initiative:

- Coordinated ELSI Task Force and One Stop Shop Ethics Review;
- co-edited *The Ethics of Cybersecurity* (Springer, 2020).

World Health Organization | Geneva | Oct 2015–June 2016

Consultant

- "Managing Ethical Issues in Infectious Disease Outbreaks" (lead writer)

ETH Zurich, University of Minho, San Raffaele | 2008–2016

Post-doc research positions (biomedical information ethics, genetics and justice, public health ethics).

----INVITED & ADVISORY ROLES

Invited Lectures & Workshops (last 5 years): Keynote, GenTech 2025 (interdisciplinary workshop on gender and technology), Zurich, March 2025; Invited speaker, "Discrimination, Fairness and Algorithms," Johannes Gutenberg Univ. Mainz, March 2025; Invited speaker, "Epistemic Rights in AI Policy," Eindhoven Univ. of Technology, Nov. 2023; Guest lecturer, IFIP Summer School on Privacy and Identity Management (2019), NTNU Norway (2019).

OECD: Contributed to "Ethics of AI in the Workplace" initiative, **UK Centre for Data Ethics and Innovation (CDEI):** Panelist, Data Reform Workshop, **European Commission Joint Research Centre:** Peer-learning workshop on AI in public sector, **European Medicines Agency:** Data Anonymisation Workshop

Conference Leadership: Co-General Chair, European Workshop on Algorithmic Fairness (EWAf '22, '23): 100+ international participants; **Board Member,** European Association for Algorithmic Fairness (2022–2025)

Review & Editorial: Program Committee, ACM FAccT '23; Ad hoc reviewer: *Synthese, Philosophical Studies, Ethics and Information Technology, Philosophy & Technology, Journal of Medical Ethics, Res Publica*; Co-editor, *The Ethics of Cybersecurity* (Springer, 2020)

EU Project Coordination: COST Action CHIP ME (2013–15): Vice-Chair and Grant Holder for 36-country initiative on public-private partnerships in genetic testing; drafted successful €500K+ proposal; **CANVAS Consortium** (2017–19): Scientific assistant to coordinator for €1M H2020 cybersecurity ethics project; co-authored white papers

SELECTED RECOGNITION

Best Paper Awards: Best Student Paper, ACM FAccT 2021: "On the Moral Justification of Statistical Parity" (co-author/supervisor)

Citation Impact (Google Scholar, Feb 2026): 2500+ total citations; h-index: 24 | i10-index: 43

LANGUAGES

Italian (native) | English (fluent) | German (intermediate reading) | French (basic)

REFERENCES: Available upon request.