

Preface

This volume contains the papers presented at the 2nd European Workshop on Algorithmic Fairness (EWAF23) held on June 7–9, 2023 in Winterthur, Switzerland. The purpose of the EWAF workshop series is to provide a venue for research and multidisciplinary dialogue between researchers working on algorithmic fairness in the context of Europe’s legal and societal framework, especially in light of the European Union’s attempts to promote ethical AI.

The contributions to EWAF23 mainly address the following topics:

- Empirical and theoretical perspectives from social sciences on algorithmic fairness and discrimination in Europe.
- Case studies based on concrete European instances of algorithmic design and regulation.
- Analyses of the implications of the European legislative framework on fairness in machine learning and AI.
- Fair algorithm development and algorithmic fairness evaluation (e.g., fairness metrics, methods for qualitative evaluations, bias mitigation techniques, data collection, causality).
- Philosophy (e.g., values embedded in fairness metrics, foundations of ethical AI).
- Social sciences (e.g., historical perspectives on discrimination, impact of algorithms on marginalized groups, perceptions of (un)fairness, AI and labor).
- Policy and law (e.g., non-discrimination law, data protection law, accountability, regulation of bias checks).

We received 62 submissions of original papers presenting novel research results as well as extended abstracts containing descriptions of ongoing projects or summarizing already published results. The Program Committee (PC) was divided into four areas, i.e. Computer Science, Law and Policy, Philosophy, and Social Sciences. Each submission was reviewed by at least two PC members and one Area Chair. The reviewers looked at originality, technical quality, clarity of presentation, potential impact, and European specificity. Finally, the committee decided to accept 51 papers for presentation at the workshop and subsequent publication.

Alongside these peer-reviewed contributions, we were honored to have three keynote talks, namely “*Bias bias, and other biases*” by Arvind Narayanan (Princeton University, US), “Fairness in ranking: From values to technical choices and back” by Meike Zehlike (Zalando, Berlin, Germany), and “Fixing AI?” by Gianclaudio Malgieri (Leiden University, the Netherlands). Additionally, we hosted a panel discussion “Governing AI – the European edition: Values, legitimacy, and practical implementation” with Diana Vlad-Calcic (European Commission), Sergey Lagodinsky (MEP Greens), and Agathe Balayn (Delft University of Technology), moderated by Angela Müller (AlgorithmWatch). Finally, we had two interactive sessions: (1) “Data Access for Researchers in the context of the Digital Services Act: technical and scientific considerations” organized by João Vinagre (Joint Research Centre - JRC), Lorenzo Porcaro (JRC), and Emilia Gómez (JRC), and (2) “Lost in translation? How computer science and philosophy reflect local morals and societal peculiarities” organized by Michele Loi (Polytechnic University of Milan).

Workshop organizers:

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Alessandro Fabris, *Max Planck Institute for Security and Privacy*

Christoph Heitz, *Zurich University of Applied Sciences*

Corinna Hertweck, *Zurich University of Applied Sciences and University of Zurich*

Michele Loi, *Polytechnic University of Milan*

Meike Zehlike, *Zalando, Berlin*

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- Eduard Fosch Villaronga, Leiden University
- Isabelle Wildhaber, University of St. Gallen

Philosophy

- Kasper Lippert-Rasmussen, University of Aarhus
- Sune Holm, University of Copenhagen
- Rafal Urbaniak, University of Gdansk
- Joanna Malinowska, Adam Mickiewicz University
- Michele Loi, Polytechnic University of Milan

Social Sciences

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- Ulrich Leicht-Deobald, Trinity College Dublin
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