Trustworthy AI for a Fair World
T. Tommasi, Politecnico di Torino, Italy, B. Caputo, Idiap Research Institute

Artificial intelligence is clearly supportive in many decision-making scenarios, but when it comes to sensitive areas such as health care, hiring policies, education, banking or justice, with major impact on individuals and society, it becomes crucial to establish guidelines on how to design, develop, deploy and monitor this technology. Indeed, the decision rules elaborated by machine learning models are data-driven and there are multiple ways in which discriminatory biases can seep into data. Algorithms trained on those data incur the risk of amplifying prejudices and societal stereotypes by over associating protected attributes such as gender, ethnicity or disabilities with the prediction task.
Several initiatives have been recently taken by the EU community to study real world unfair conditions, and to guarantee that the most recent AI technologies are used in a way that is safe and compliant with the law, including the respect of fundamental rights.

The panel will focus on what research laboratories, startups and foundations can do to support decision makers in Europe, when dealing with the challenges related to societal biases and the development of trustworthy AI systems.

Gender Bias: B20-G20 Dialogue on Women Empowerment
Gaela Bernini, Secretary General at Fondazione Bracco

Gaela Bernini is secretary general at Fondazione Bracco. She got her M.Sc. in Development at the London School of Economics and her PhD in Management Engineering at the Polytechnic University of Milan.
Since 2019 she directs the Corporate Social Responsibility of Bracco, and she led the international projects of the Fondazione Milano for Expo 2015. Previously she was a researcher at INSEAD, Fontainebleau, where she designed and managed several projects dedicated to human development, scientific research promotion and women's economic inclusion. Gaela is author of several book chapters on management and philanthropy and she is passionate about science and its dissemination.

Implementing leading practices for digital sustainability, AI governance and transparency
Meeri Haataja, CEO & Co-Founder at Saidot

Meeri Haataja is the CEO and Co-Founder of Saidot, a start-up with a mission for digital sustainability and responsible AI ecosystems. Saidot is a platform for teams, who want to make their AI transparent and explainable, and invite their stakeholders into a dialogue around transparency. Saidot's AI governance and risk management platform is used by major public and private organizations, such as cities of Amsterdam and Helsinki, to operate their AI registers and communicate openly of their AI.
Prior to starting her own company Meeri was leading AI strategy and GDPR implementation in OP Financial Group, the largest financial services company in

Finland. Meeri has a long background in analytics and AI consulting with Accenture Analytics. During her Accenture years, she has been working in driving data and analytics strategies and large AI implementation programs in media, telecommunications, high-tech, and retail industries. Meeri started her career as a data scientist in telecommunications after completing her M. Sc. (Econ.) in Helsinki School of Economics.

Towards Certification of Machine Learning Applications
Bernhard Nessler, Johannes Kepler University Linz, Austria

Bernhard Nessler is Marie Curie Fellow and University Assistant at the Institute for Machine Learning in Sepp Hochreiter's team at the Johannes Kepler University Linz. He got his M.Sc. in Telematics at the Graz University of Technology in 2004 and his PhD in Telecommunication Engineering in 2014 at the same university.
His research topics include Deep Learning and Computational Neuroscience. Bernhard is head of the industrial collaborations for technical applications of deep learning and autonomous robotics. He is a founding member of the European AI Excellence Initiative ELLIS and a member of the ELLIS Coordination Committee (ECC).

How to tackle Domain Bias and learn Fair models
Tatiana Tommasi, Politecnico di Torino, Italy

Tatiana Tommasi is Assistant Professor at the Department of Control and Computer Engineering at Politecnico di Torino, Italy. She is also an affiliated researcher at the Italian Institute of Technology. Tatiana received her M.Sc. in Physics at Sapienza University of Rome and her PhD in Electrical Engineering at the École polytechnique fédérale de Lausanne (EPFL, Switzerland). She has authored more than 50 technical papers in international books, conferences and journals in the areas of computer vision, robotics and machine learning. Her main research topics are domain adaptation, transfer and life-long learning. Tatiana is a Scholar member of the ELLIS Society.

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