

Outline Workshop “The European AI Act: Developing a technological perspective”

Nov 29, 2024 at BIFOLD/ TU Berlin, Marchstr. 23, 2nd floor (2.013)

9:30 Coffee and registration

10:00-10:10 Sebastian Schelter (BIFOLD): Welcome & introduction

10:10-11:30 Keynotes

10:10-10:50 Kristina Irion (University of Amsterdam), Title: Law meets computer science: Making sense of the AI Act

10:50-11:30 Saskia Welsch (SAP, AI Ethics Team), Title: The EU AI Act: A Practical Introduction based on an SAP AI Use Case

11:30-11:45 Break

11:45-12:05 Gong Session: XAI and Transparency

Stefan Haufe (Physikalisch-Technische Bundesanstalt), Title: Can ‘explainable’ AI be used to provide quality control for ML ?

Thomas Schnake (BIFOLD), Title: Towards Symbolic XAI – Explanation Through Human Understandable Logical Abstraction

12:05-12:30 Gong Session: Data Compliance

Sebastian Schelter (BIFOLD), Title: “Forget Me Now” - Towards Low-latency machine unlearning

Stefan Grafberger (BIFOLD), Title: Automated Provenance-Based Screening of ML Data Preparation Pipelines

Shubha Guha (University of Amsterdam), Title: Towards Understanding the Impact of Data Quality on Social Harms

Yichun Wang (University of Amsterdam), Title: Data Quality in AI: Where Technology Meets Regulation

12:30-12:50 Gong Session: Examples from Medicine

Gabriel Dernbach (Charité Berlin), Title: An Immunological Characterisation of the Tumor microenvironment in non small cell lung cancer

Laure Ciernik (BIFOLD), Title: Building effective and calibrated rare disease classifiers with odd-k-out learning

12:50-13:50 Lunch Break

13:50-14:15 Gong Session: Law and Ethics

Dimitri Staufer (TU Berlin), Title: LLMs Infer Protected Attributes Beyond Proxy Features

Dafna Burema (Cluster Science of Intelligence), Title: Operationalizing ‘human oversight’

Carsten Ritter (Kanzlei Quinn Emanuel Urquhart & Sullivan), Title: Research Enabling Compliance

14:15-14:40 Gong Session: Privacy Preserving Learning

Dennis Grinwald (BIFOLD), Title: Privacy-preserving machine learning on decentralised data

Daniel Becking (Fraunhofer HHI), Title: Neural Network Coding for Energy-Efficient Communication in Federated Learning

Lennart Behme (BIFOLD), Title: Finding the Right Data for Your Task Without Looking Into Them

Nele Brüggel (DFKI, Labor Lübeck), Title: It’s All a Matter of Perspective - Privacy-Friendliness of Facial Feature Extractors for Distributed and Explainable Machine Learning

14:40-15:00 Coffee break

15:00-16:15 Discussion & Break-out sessions

16:15-16:25 Short Break

16:25-17:30 Final discussion and wrap-up