



MathSEE workshop on eXplainable Artificial Intelligence (XAI)

November 12, 2024, 13:30 - 18:00, @ Blücherstraße 17, Building 09.21

Website: <https://www.mathsee.kit.edu/2280.php>

Workshop agenda

Time

Session 1

Session chair: **Prof. Dr. Steffen Rebennack**

Online chair: **Dr. John Warwicker**

13:30 - 13:35 **Opening and Welcome**

13:35 - 14:30 **Dr. Vikram Sunkara**

Zuse Institute Berlin, Germany

A “Deep” Dive into how Neural Networks see Data

14:30 - 15:25 **Prof. Dr. Gitta Kutyniok**

Ludwig-Maximilians-University Munich, Germany

Mathematical Algorithm Design for Deep Learning under Societal and Judicial Constraints: The Algorithmic Transparency Requirement

15:25 - 15:55 ————— Coffee break —————

Session 2

Session chair: **Lelisa Bijiga**

Online chair: **Dr. Christian Füllner**

15:55 - 16:50 **Maximilian Fleissner**

Technical University of Munich, Germany

Explaining (Kernel) Clustering via Decision Trees

16:50 - 17:45 **Dr. Alessandro Renda**

University of Pisa, Italy

Increasing trust in AI through Federated Learning and model explainability

17:45 - 18:00 **Prof. Dr. Melanie Schienle**

Karlsruhe Institute of Technology, Germany

MathSEE Overview: Vision, Governance, Organization

18:00 ————— End of workshop —————