



**CONSTRUCTING  
EXPLAINABILITY**

# ETHICS AND NORMATIVITY OF EXPLAINABLE AI

## ISSUES IN XAI #7

**MAY. 15th-17th 2024 | PADERBORN UNIVERSITY | GERMANY**

**VENUE | BUILDING L, ROOM 3.204**

*The Workshop is part of the series Issues XAI, which continues and expands! We have now appointed a steering committee (SC) consisting of some of its initiators: Juan M. Durán (Delft), Lena Kästner (Bayreuth), Rune Nyrop (Aarhus), and Eva Schmidt (Dortmund). If you are interested in hosting one of the upcoming events, please just get in touch with one of the SC members.*

### Paderborn Workshop

This workshop will be held at **Paderborn University on May 15, 16, and 17**. It will bring together world-leading academics and experts in the field of ethics of explainable AI.

The urgency of this workshop is emphasised by the proliferation of AI systems and their use in decision making processes, from credit score assessments, via risk assessment models, to judicial rulings. This development has only been aggravated with the introduction of machine learning to the public, in particular in the guise of generative AI. This means that people in myriad of contexts and everyday situations will be facing AI-generated decisions. These decisions may have far-reaching consequences, for instance if they lead to a loan rejection, a fraud investigation, or a rejection of parole.

This development has gone hand in hand with a normative call for making AI decision-making explainable, explicable, and interpretable. That is, in certain situations it may be desirable that a decision made by an AI black box system can be explained, that an answer can be given to the question of why the decision was made.

Yet, Explaining AI is not per se a good thing. In the worst case, explanations can be used to manipulate users or to create acceptance for a technology that is ethically or legally unacceptable. Therefore, research on explaining and explainability needs ethical reflection.

### Organizing Team:

Tobias Matzner, Suzana Alpsancar,  
Martina Philippi, Wessel Reijers.

The workshop kickstarts this conversation, focusing on three different themes that are spread out over three workshop days. On the **first day** (May 15), we critically assess the need for explainable AI. Is XAI a good and useful aspect of AI systems at all? And what are its limitations?

The **second day** (May 16) will explore the epistemic and normative dimensions of explainable AI. How can we understand the relation between XAI and epistemic notions of inference and deliberation? How can we consider normative requirements of XAI in the light of a right to explanation and the AI responsibility gap?

The **third day** (May 17) makes the turn to use cases of XAI, embedding the epistemic and normative debates in discussions around XAI in medical and military contexts, as well as in the design of smart cities.

### Keynote speakers



Andrea Aler Tubella



Elettra Bietti



Reinhold Häb-Umbach

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