xAI4 BIOMETRICS
ECCV 2024

INESCTEC

CALL FOR PAPERS

4th xAI4Biometrics Workshop at ECCV 2024
SEPTEMBER 30, 2024 (MORNING) | MILAN, ITALY

The ECCV 2024 4th Workshop on Explainable & Interpretable Artificial Intelligence for Biometrics (xAI4Biometrics at ECCV 2024) intends to promote research on Explainable & Interpretable-AI to facilitate the implementation of AI/ML in the biometrics domain and specifically to help facilitate transparency and trust.

Important Dates

- Paper submission deadline (**FIRM DEADLINE**): July 19, 2024
- Author notification: August 12, 2024
- Camera-ready & Registration (**FIRM DEADLINE**): August 26, 2024
- xAI4Biometrics Workshop: September 30, 2024 | **Morning**

Topics of Interest

Topics of interest include, but are not limited to:

- Methods to interpret the biometric models to validate their decisions as well as to improve the models and to detect possible vulnerabilities
- Quantitative methods to objectively assess and compare different explanations of the automatic decisions
- Methods and metrics to study/evaluate the quality of explanations obtained by post-model approaches and improve the explanations
- Methods to generate model-agnostic explanations
- Transparency and fairness in AI algorithms avoiding bias
- Interpretable methods able to explain decisions of previously built and unconstrained (black-box) models
- Inherently interpretable (white-box) models
- Methods that use post-model explanations to improve the training
- Methods to achieve/design inherently interpretable algorithms (rule-based, case-based reasoning, regularization methods)
- Study on causal learning, causal discovery, causal reasoning, causal explanations, and causal inference
- Natural Language Generation for explanatory models
- Methods for adversarial attack detection, explanation and defence
- Theoretical approaches of explainability
- Applications of all the above including proof-of-concepts and demonstrators of how to integrate explainable AI into real-world workflows and industrial processes

For more information visit http://vcmi.inesctec.pt/xai4biometrics

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