CALL FOR PAPERS

WACV 2021 - xAI4BIOMETRICS WORKSHOP

JANUARY 05 , 2021 | ONLINE EVENT

The WACV 2021 Workshop on Explainable & Interpretable Artificial Intelligence for Biometrics, xAI4Biometrics, aims at promoting a better understanding, through explainability and interpretability, of currently common and accepted practices in several and varied applications of biometrics. These applications, in scenarios comprising identity verification for access/border control, watching lists surveillance, anti-spoofing measures embedded in biometric recognition systems, forensic applications, among many others, affect the daily life of an ever-growing population.

Important Dates:

Abstract submission (mandatory): November 05, 2020
Full paper submission deadline: November 13, 2020
Author notification: November 25, 2020
Camera ready & registration: November 30, 2020
xAI4Biometrics workshop: January 05, 2021

Keynote speakers:

Cynthia Rudin, Duke University, USA
Peter Eisert, Humboldt University Berlin & Fraunhofer HHI Berlin, Germany

For more information visit **http://vcmi.inesctec.pt/xai4biom_wacv/**

Topics of interest include, but are not limited to:

- Methods to interpret 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;
- Methods that use post-model explanations to improve the models' 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 attacks detection, explanation and defense ("How can we interpret adversarial examples?");
- Theoretical approaches of explainability ("What makes a good explanation?");
- Applications of all the above including proof of-concepts and demonstrators of how to integrate explainable AI into real-world work-flows and industrial processes.

Paper submission

The papers submitted to the workshop should follow the same formatting requirements as the main conference. For details and templates see: **http://wacv2021.thecvf.com/submission**
The accepted papers will be published in IEEE Xplore as WACV 2021 Workshops Proceedings and will be indexed separately from the main conference proceedings.

PARTNERS: