

# 12th INTERNATIONAL WORKSHOP ON BIOMETRICS AND FORENSICS

## PROGRAM

### 11 APRIL 2024 - DAY 1

10:00 - 11:00	<b>Registration</b>
11:00 - 11:10	<b>Welcome</b>
11:10 - 12:50	<b>Oral Session 1: General biometrics</b> <ul style="list-style-type: none"><li>• Joint Person Identity, Gender and Age Estimation from Hand Images using Deep Multi-Task Representation Learning Nathanael Lemessa Baisa (De Montfort University)*</li><li>• 3D printed realistic finger vein phantoms Luuk Spreeuwers (University of Twente)*; Pesigrihastamadya Normakristagaluh (University of Twente); Rasmus van der Grift (20face)</li><li>• Extension and further Evaluation of the PLUS Multi-Sensor and Longitudinal Fingerprint Dataset Christof Kauba (University of Salzburg)*; Simon Kirchgasser (University of Salzburg); Andreas Uhl (University of Salzburg)</li><li>• Enhancing Client Privacy in Physiology-Based Biometric Verification with Differential Privacy and Positive-Label Federated Learning Mohamed benouis (Universität Augsburg); Bhargavi Mahesh (Universität Augsburg); Elisabeth Andre (Universität Augsburg); Yekta S Can (Universität Augsburg)*</li><li>• Forehead Spatio-Spatial Temporal Network (FH-SSTNet) for Reliable User Verification Geetanjali Geetanjali (Indian Institute of Technology Mandi)*; Gaurav Jaswal (Indian Institute of Technology Mandi); Aditya Nigam (IIT mandi); Raghavendra Ramachandra (NTNU, Norway)</li></ul>
12:50 - 13:50	<b>Lunch</b>
13:50 - 14:50	<b>Keynote speaker 1: Norman Poh: <i>Why is digital identity better with biometrics?</i></b>
14:50 - 15:20	<b>Coffee break</b>
15:20 - 16:00	<b>Oral session 2: Attacks on biometrics systems</b> <ul style="list-style-type: none"><li>• Improving fully automated landmark-based face morphing Ilias Batskos (University of Twente)*; Luuk Spreeuwers (University of Twente)</li><li>• Face Restoration for Morphed Images Retouching Nicolò Di Domenico (Alma Mater Studiorum - Università di Bologna); Guido Borghi (University of Bologna)*; Annalisa Franco (University of Bologna); Davide Maltoni (University of Bologna)</li></ul>
16:00 - 17:00	<b>Industrial session</b> <ul style="list-style-type: none"><li>• Inverid</li><li>• Neurotechnology</li><li>• EAB</li><li>• CyberAgentur</li></ul>
17:00 - 18:00	<b>Poster session + drinks</b>
19:00 - 21:00	<b>Conference dinner</b>

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### 12 APRIL 2024 – DAY 2

09:00 - 09:30	<b>Registration</b>
09:30 - 10:30	<b>Keynote speaker 2: Didier Meuwly:</b> <i>The implications for forensic biometrics of the future ISO/IEC 21043 standard Forensic sciences</i>
10:30 - 11:00	<b>Coffee break</b>
11:00 - 12:20	<b>Oral session 3 Forensics</b> <ul style="list-style-type: none"> <li>Multi-Channel Cross Modal Detection of Synthetic Face Images Mathias Ibsen (Hochschule Darmstadt)*; Christian Rathgeb (Hochschule Darmstadt); Sébastien Marcel (Idiap Research Institute); Christoph Busch (Hochschule Darmstadt)</li> <li>A Case Study on How Beautification Filters Can Fool Deepfake Detectors Alexandre Libourel (Eurecom); Sahar Husseini (Eurecom); Nélide Mirabet-Herranz (Eurecom)*; Jean-Luc Dugelay (EURECOM, Campus SophiaTech)</li> <li>Interchangeability of calibration audio datasets for forensic automatic speaker recognition David L. van der Vloed (Netherlands Forensic Institute)*</li> <li>Compression Robustness of Digital Image Forensics evaluating Demosaicing Consistency Felix Kurth (University of Salzburg); Thomas Wulz (University of Salzburg); Andreas Uhl (University of Salzburg)*</li> </ul>
12:20 - 13:20	<b>Lunch</b>
13:20 - 14:40	<b>Oral session 4 Face recognition</b> <ul style="list-style-type: none"> <li>How Does Rejecting Low-Confidence Decisions In Face Recognition Affect Fairness? Pritilata Saha (Paderborn University)*; Abhirup Sinha (Paderborn University); Philipp Terhörst (Paderborn University)</li> <li>The Role of Facial Hair on Roman Emperors' Face Recognition Nova Hadi Lestriandoko (National Research and Innovation Agency)*; Florens F de Wit (University of Twente); Sven Betjes (Radboud University); Sam Heijnen (Vrije Universiteit); Olivier Hekster (Radboud University); Luuk Spreeuwers (University of Twente)</li> <li>AI-KD: Towards Alignment Invariant Face Image Quality Assessment Using Knowledge Distillation Žiga Babnik (University of Ljubljana, Faculty of Electrical Engineering, Laboratory for Machine Intelligence)*; Fadi Boutros (Fraunhofer IGD); Naser Damer (Fraunhofer Institute for Computer Graphics Research IGD and TU Darmstadt); Peter Peer (University of Ljubljana); Vitomir Struc (University of Ljubljana)</li> <li>Eye Sclera for Fair Face Image Quality Assessment Wassim Kabbani (NTNU)*; Kiran Raja (NTNU); Raghavendra Ramachandra (NTNU, Norway); Christoph Busch (Norwegian University of Science and Technology)</li> </ul>
14:40 - 15:10	<b>Coffee break</b>
15:10 - 15:30	<b>Best presentation award</b>

----- Closing -----

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