

IEEE BIOMS 2014 Program (DRAFT)

8:30 Registration

8:50 OPENING SESSION

9:00 SESSION I: Face, Ear and Iris.

Session Chair: Ruggero Donida Labati, Università degli Studi di Milano, Italy

BABIES: Biometric Authentication of newBorn Identities by means of Ear Signatures

Silvio Barra (University of Cagliari, Italy); Andrea Casanova (University of Cagliari, Italy); Maria De Marsico (Sapienza University di Roma, Italy); Daniel Riccio (University of Naples Federico II, Italy)

Point-Triplet Spin-Images for Landmark Localisation in 3D Face Data

Marcelo Romero (Autonomous University of the State of Mexico, Mexico); Juan Paduano (Autonomous University of the State of Mexico, Mexico); Vianney Muñoz (Autonomous University of the State of Mexico, Mexico)

Smartphone Based Robust Iris Recognition in Visible Spectrum Using Clustered K-means Features

Kiran B. Raja (Gjøvik University College, Norway); Ramachandra Raghavendra (Nowegian Biometrics Laboratory, Norway); Christoph Busch (Hochschule Darmstadt, Germany)

10:00 SESSION II: ECG and Voice Biometrics

Session Chair: Patrizio Campisi, Università degli Studi Roma Tre, Italy

Gaussian Dictionary for Compressive Sensing of the ECG Signal

Giulia Da Poian (University of Udine, Italy); Riccardo Bernardini (University of Udine, Italy); Roberto Rinaldo (University of Udine, Italy)

HeartCode: a Novel Binary ECG-based Template

Ruggero Donida Labati (Università degli Studi di Milano, Italy); Vincenzo Piuri (University of Milan, Italy); Roberto Sassi (Università degli Studi di Milano, Italy); Fabio Scotti (Università degli Studi di Milano, Italy)

Robustness of Forensic Speaker Verification Systems based on Alize/Lia_Ral toolkit

Francesco Bellomo (University of Catania, Italy); Francesco Beritelli (University of Catania, Italy); Elisabetta Sciacca (University of Catania, Italy)

11:00 Coffee break

11:30 SESSION III: Medical and Behavioral

Session Chair: Emanuele Maiorana, Università degli Studi Roma Tre, Italy

Miniaturized On-body Patch Antenna for 430MHz wireless digestive monitoring system

Malika Tlili (ENIS, France); Rahma Abdaoui (Minarc, LISITE, ISEP, France); Frederic Amiel (ISEP, France); Abdennaceur Kachouri (Laboratoire d'Electronique et des Technologies de l'Information, Tunisia)

The Patient Centered Electronic Multimedia Health Fascicle - EMHF

Giovanni Dimauro (Università di Bari, Italy); Danilo Caivano (Università di Bari, Italy); Francesco Girardi (UVARP ASL Bari, Italy); Marco Matteo Ciccone (Università di Bari, Italy)

A Wire-free, Non-invasive, Low-cost Video Processing-based Approach to Neonatal Apnoea Detection

Luca Cattani (University of Parma, Italy); Davide Alinovi (University of Parma, Italy); Gianluigi Ferrari (University of Parma, Italy); Riccardo Raheli (University of Parma, Italy); Elena Pavlidis (University of Parma, Italy); Carlotta Spagnoli (University of Parma, Italy); Francesco Pisani (University of Parma, Italy)

Exploiting biometric measurements for prediction of emotional state: a preliminary study for healthcare applications using keystroke analysis

Michael Fairhurst (University of Kent, United Kingdom); Cheng Li (University of Kent, United Kingdom); Meryem Erbilek (University of Kent, United Kingdom)

13:00 Lunch

14:30 SESSION IV: Fingerprint and Palm I

Session Chair: Fabio Scotti, Università degli Studi di Milano, Italy

Evaluating software-based fingerprint liveness detection using Convolutional Networks and Local Binary Patterns

Rodrigo Nogueira, Nogueira (UNICAMP, Brazil); Rubens Machado (Researcher, Brazil); Roberto Lotufo (University of Campinas, Brazil)

Cross-Database Evaluation Using an Open Finger Vein Sensor

Matthias Vanoni (EPFL, Switzerland); Pedro Tome (Idiap Research Institute, Switzerland); Laurent El Shafey (Idiap Research Institute, Switzerland); Sébastien Marcel (IDIAP Research Institute, Switzerland)

Ballprints as an Infant Biometric: A First Approach

Johannes Kotzerke (RMIT University, Australia); Arathi Arakala (RMIT University, Australia); Stephen Davis (RMIT University, Australia); Kathy Horadam (RMIT University, Australia); Jodie McVernon (University of Melbourne, Australia)

15:30 Coffee break

15:50 SESSION V: Fingerprint and Palm II

Session Chair: Fabio Scotti, Università degli Studi di Milano, Italy

A New Approach Stereo Based Palmprint Extraction in Unrestricted Postures

Özkan Bingöl (Gümüşhane Üniversitesi Mühendislik Fakültesi, Turkey); Murat Ekinci (Karadeniz Technical University, Turkey); Ahmet Gökdoğan (Gümüşhane University Mathematical Engineering, Turkey)

Palmprint Principal Lines Extraction

Alessandro Bruno (Università degli Studi di Palermo, Italy); Marco La Cascia (University of Palermo, Italy); Paolino Carminetti (Università degli Studi di Palermo, Italy); Vito Gentile (Università degli Studi di Palermo, Italy); Emanuele Mancino (Università degli Studi di Palermo, Italy)

16:30 CLOSING SESSION