

TC4 Workshop on Mobile and Wearable Biometrics (WMWB)

Organized in conjunction with [ICPR 2020](#)

January 11, 2021 | Milan, Italy

<http://wmb2020.iapr-tc4.org/>

Mobile devices are nowadays widely employed by people all over the world, with almost 3 billion users interacting with smartphones or tablets in their daily life. Such devices are not anymore used for personal communication only, but also for a variety of other applications, ranging from accessing the Internet, storing personal data, making payments, and gaining access to restricted services or areas.

With the rise of the Internet of Things, a growth trend similar to the one characterizing mobile devices in the recent past is now observed for wearable devices such as smartwatch and activity trackers, that is, smart electronic devices equipped with micro-controllers which can be incorporated into clothing or worn on the body as implants or accessories.

Given the types of data such devices can capture, process, and store, proper secure mechanisms are needed to avoid potentially harmful threats related to security and privacy loss. It is therefore of paramount importance to design workable and effective solutions to implement automatic recognition systems within mobile and wearable devices, with biometric systems certainly representing the most interesting alternative to achieve this goal.

The 1st IAPR TC4 International Workshop on Mobile and Wearable Biometrics Workshop (WMWB) will focus on recent developments in the evolving areas of mobile and wearable biometric recognition systems. We invite submissions from all areas of computer science and pattern recognition relevant for, or applied to, mobile and wearable biometric recognition.

The workshop is a satellite event of the International Conference on Pattern Recognition ([ICPR 2020](#)), held in Milan, Italy, January 10-15, 2021. The workshop is supported by the [IAPR TC-4](#).

TOPICS

Topics of interest include, but are not limited to:

- Physical biometrics (fingerprint, face, iris, vein, etc.)
- Behavioral biometrics (signature, keystroke, gait, etc.)
- Cognitive biometrics (ECG, PPG, EDA, EEG, etc.)
- Attacks at biometric systems
- Biometric template protection schemes
- Multibiometric recognition systems
- Machine Learning with limited computational resources
- User interface design
- Database collection

ORGANIZATION

Workshop Chair

- Emanuele Maiorana, Roma Tre University

Program Committee

- Patrizio Campisi, Roma Tre University, Italy
- Julian Fierrez, Universidad Autonoma de Madrid, Spain
- Richard Guest, University of Kent, United Kingdom
- Farzin Deravi, University of Kent, United Kingdom
- Fernando Pérez-González, University of Vigo, Spain
- Maria De Marsico, Sapienza University of Rome, Italy
- Claus Vielhauer, Otto-von-Guericke-Universität Magdeburg, Germany
- Jana Dittmann, Otto-von-Guericke-Universität Magdeburg, Germany
- Hao Wang, Norwegian Univ. of Science and Technology, Gjøvik, Norway
- Michele Nappi, Salerno University, Italy
- Carmen Bisogni, Salerno University, Italy
- Leandros Maglaras, De Montfort University, United Kingdom

IMPORTANT DATES

- Submission deadline: **October 10, 2020**
- Author notification: **November 10, 2020**
- Camera-ready submission: **November 15, 2020**

