



Deep Learning Approach for Secure and Trustworthy Biometric System

Guest Editors:

Dr. Zitong Yu

Dr. Yunxiao Qin

Dr. Changsheng Chen

Dr. Zhaoqiang Xia

Dr. Zuheng Ming

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Message from the Guest Editors

The growing prevalence of misinformation related to such falsified personally identifiable information has heightened interest in secure and trustworthy biometric systems for the AI community. Topics of interest include but are not limited to:

- Attack detection for a wide range of biometrics (not limited to face, fingerprint, iris, palm print, gait, voice, biosignals, or remote photoplethysmography (rPPG));
- Novel deep learning approaches for face spoofing, forgery, and morphing detection;
- Adversarial attacks and backdoor attacks, as well as their defenses in biometrics;
- Deep learning for document liveness and recapturing detection;
- Analysis of robustness, generalization, and interpretability in biometric systems;
- Learning with fewer labels in biometric systems;
- Open-world biometric systems under unseen domains and unknown attacks;
- Privacy-preserving based deep learning for biometric systems;
- Review, survey, and new datasets on unimodal and multi-modal biometric systems.





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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
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