Special Issue

Deep Learning Approach for Secure and Trustworthy Biometric System

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.

Guest Editors

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Deadline for manuscript submissions

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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