

Special Issue

Recent Advances in Biometric Security in IoT Based on Machine Learning

Message from the Guest Editors

Internet of Things (IoT) applications has been deployed in a wide variety of critical infrastructure and applications ranging from transportation, healthcare, and supply chain. While IoT brings a number of benefits including convenience and efficiency, it also introduces a number of emerging threats. With the emergence of the Internet-of-Things (IoT), there is a growing need for access control and data protection. Biometric-based authentication is promising for IoT due to its convenient nature and lower susceptibility to attacks. Additionally, machine learning and deep learning techniques are delivering a promising solution to biometric systems and to increase the accuracy and plays a decisive role for presentation attack detection. The goal of this special issue is to solicit high quality contributions on: (i) investigating the usage of deep learning and biometric systems in the context of IoT applications; (ii) novel techniques in biometric deep fakes and digital data forensics, particularly by exploiting, but not limited to, deep learning approaches.

Guest Editors

Prof. Dr. Nima Karimian

Computer Engineering Department, San José State University, San Jose, CA 95192, USA

Prof. Dr. Tempestt Neal

Department of Computer Science and Engineering, University of South Florida (USF), Tampa, FL 33620, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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