Special Issue

Exploring the Latest Advances in the Areas of Security and Artificial Intelligence in the Context of Nanoelectronics

Message from the Guest Editors

This Special Issue focuses on the effect of the recent advances in the fields of security and artificial intelligence (AI) on the broad field of nanoelectronics. Lately, significant progress has been made in the fields of nanomaterials and nanodevices.This Special Issue explores the interaction between novel and conventional state-of-the-art nanoelectronics, on the one side, and the concepts of security and artificial intelligence, on the other side. In particular, it focuses on the following subjects:

- The potential of state-of-the-art nanoelectronics to offer more secure and more intelligent applications and systems;
- Ground-breaking threats, risks, attacks, countermeasures, and security solutions introduced by the utilisation of novel nanodevices;
- Advanced artificial intelligence systems either implemented using such nanoelectronics or employed to facilitate their design, integration, adoption, and/or use, including AI-based Computer-Aided Design (CAD) for nanodevices as well as neuromorphic computing based on novel nanoelectronics.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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