

Special Issue

Secure Edge AI and IoMT: From Personalized Healthcare to Smart Agriculture

Message from the Guest Editors

The rapid expansion of the Internet of Medical Things (IoMT) and edge artificial intelligence is revolutionizing how we monitor health, nutrition, and living environments. However, the proliferation of connected devices introduces significant vulnerabilities, making cybersecurity a paramount concern. As systems transition from cloud-centric architectures to edge-based processing, there is a critical need for frameworks that balance real-time performance with rigorous security, data privacy, and threat mitigation. This Special Issue, titled "**Secure Edge AI and IoMT: From Personalized Healthcare to Smart Agriculture**," explores the development of intelligent, resilient, and adaptive frameworks that bridge the gap between theoretical machine learning and secure deployment in resource-constrained environments. The scope of this Special Issue encompasses systems that not only detect anomalies in user health but also defend against cyber threats in the device network. We seek high-quality research focusing on hardware–software co-design, secure algorithmic frameworks, and advanced sensor fusion.

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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 guestedited by leading experts in selected topics of interest.

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