Special Issue

Flexible and Wearable Electronics: Design and Applications

Message from the Guest Editor

Flexible and wearable electronics, along with edge-computing AI, can revolutionize may sectors in future. These systems need to be resilient and autonomous, while reliable and benevolent in unsupervised settings. Newer technologies to produce miniature, low-cost, flexible, and reliable sensors and wearables have paved the hardware revolution for these technologies. Furthermore, the continuously collected big data need to be processed in real time for actionable decision making with a high degree of accuracy and reliability using artificial intelligence (AI). Resolving these issues requires innovation in both hardware and software domains with an integrated hardware–software co-design paradigm with resource-constrained settings. The purpose of this Special Issue is to address the ongoing research activities in these fields of flexible electronics and wearable and IoT, along with edge-computing AI, for a variety of applications including healthcare, mobile health, smart health, remote monitoring, smart living, robotics, prosthetics, assistive technologies, agriculture and environment monitoring, and human–computer interactions.

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Deadline for manuscript submissions

closed (31 May 2024)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/175667

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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.

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