

Special Issue

Emerging and New Technologies in Embedded Systems

Message from the Guest Editors

This Special Issue (SI) invites papers on research achievements in emerging and new technologies in embedded systems. Embedded systems have matured as a discriminating technology for a wide variety of applications in our daily life. However, this immense impact is unfortunately confined by the power and cost constraints of hardware devices. A growing gap has been observed between computing demands of modern applications and the availability of hardware resources in embedded systems, thereby raising many unique research challenges and research questions. Recent technologies have evolved tremendously to approach a wide range of applications and implementations that push such limits in the performances of embedded computing. Many novel hardware architectures are deployed for improving the performance of embedded systems, while emerging applications, e.g., deep learning, are implemented on embedded systems to pave the way of ubiquitous AI. In this SI, we look forward to the latest, original research work that suggests new architecture and practical solutions for various applications of embedded systems.

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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.

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