

Special Issue

Recent Advances in Embedded Systems

Message from the Guest Editors

Embedded systems play a critical role in modern electronics, enabling intelligent control, data processing, and real-time operation across a wide range of devices. We are therefore excited to present a Special Issue on Recent Advances in Embedded Systems, highlighting the latest research that pushes the boundaries of this dynamic field. This Special Issue focuses on four pivotal areas: artificial intelligence, low-power design techniques, real-time processing, and security. Artificial intelligence empowers embedded systems to make autonomous decisions and optimize performance, advancing applications in IoT and smart devices. Low-power design techniques are essential for extending battery life in portable devices and ensuring energy efficiency. Real-time capabilities enable rapid and precise responses, crucial for applications like automotive control and industrial automation. Security is a top priority, ensuring resilience against cyber threats and unauthorized access, particularly in critical infrastructure and connected devices. Together, these advancements are transforming embedded systems into indispensable components of future smart, interconnected technologies.

Guest Editors

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About the Journal

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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