

Special Issue

Edge-Intelligent Sustainable Cyber-Physical Systems

Message from the Guest Editor

We are pleased to announce the Special Issue “Edge-Intelligent Sustainable Cyber-Physical Systems,” which seeks contributions that push the frontiers of edge computing, intelligent perception, advanced electronics, high-performance communications, and energy-aware infrastructure. We welcome manuscripts that explore machine-learning techniques for rapid perception and decision support; report breakthroughs in semiconductor and thin-film devices capable of ultra-low-power sensing or on-device inference; describe high-frequency circuits and broadband links that guarantee reliable, low-latency connectivity; and present power-system interfaces able to provide ancillary services such as fast frequency response and virtual inertia. This Special Issue distinguishes itself by emphasizing the integration of these diverse strands rather than treating them in isolation. By gathering such cross-disciplinary research in one venue, we intend to offer the community a cohesive reference that complements existing topic-specific literature and accelerates the translation of component-level breakthroughs into end-to-end edge-intelligent systems.

Guest Editor

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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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