Special Issue

Next-Generation Engineering: IoT, Digital Twin, and AI-Driven Tolerance Optimization

Message from the Guest Editors

Dear Colleagues: The rapid advancement of digital technologies has ushered in a new era of intelligent and interconnected systems. The convergence of the Internet of Things (IoT), digital twin (DT), and artificial intelligence (AI) is reshaping various domains, including manufacturing, healthcare, smart cities, and precision engineering. This Special Issue aims to bring together researchers and industry experts to explore innovative methodologies, frameworks, and applications at the intersection of IoT, digital twin, AI, and tolerance design. The focus aligns with the journal's scope by emphasizing cutting-edge advancements in smart systems, cyber–physical integration, and intelligent decision-making. Topics of interest include, but are not limited to, the following:

- IoT and Digital Twin for Smart Manufacturing;
- Cyber–Physical Systems and Tolerance Design;
- Complex Network Science for IoT and Digital Twin Design and Development;
- Standards and Frameworks;
- Case Studies and Industrial Applications;
- Security and Resilience in IoT-Enabled Systems.

I look forward to receiving your contributions.

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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.

Editor-in-Chief

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