

Special Issue

Exploring the Synergies between IoT, Edge Computing, Energy Management, the Metaverse, and Deep Learning for Next-Generation Intelligent Systems

Message from the Guest Editors

Submissions are invited on a variety of topics, including, but not limited to, the following:

- Architectural innovations in IoT and edge computing for enhanced energy efficiency and performance.
- Deep learning models for predictive energy management in IoT systems.
- Real-time analytics and decision making using edge computing in smart environments.
- Security and privacy challenges in integrated IoT and edge systems.
- Scalable and energy-efficient solutions for IoT and edge devices.
- Metaverse applications for sustainable energy use, including virtual simulations and training.
- AI-driven user experience and interaction design in the metaverse.
- Sustainability and resource management in the IoT and the metaverse using deep learning.
- Predictive maintenance and operational efficiency in smart cities using the IoT and deep learning.
- Case studies on successful implementations of the IoT, edge computing, and energy management in various sectors.

Guest Editors

Dr. Tao Huang

College of Science and Engineering, James Cook University, Smithfield, QLD 4878, Australia

Dr. Peng Cheng

Department of Computer Science and Information Technology, La Trobe University, Melbourne, VIC, Australia

Deadline for manuscript submissions

closed (15 June 2025)



Electronics

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).