

## Special Issue

# AI-Driven Intelligent Systems in Energy, Healthcare, and Beyond

### Message from the Guest Editors

Artificial intelligence (AI), in conjunction with the Internet of Things (IoT) and robotics, is advancing intelligent, autonomous, and data-centric solutions across various sectors. Notably, energy and healthcare have emerged as two of the most impactful application domains. These advancements are further empowered by progress in high-performance AI systems. Lifelong learning and self-adaptive algorithms enhance the responsiveness and robustness of AI systems in dynamic environments. This Special Issue aims to bring together cutting-edge research at the intersection of AI, high-performance computing, and robotics, with a focus on real-world intelligent applications in energy, healthcare, and beyond.

- AI-enabled energy optimization;
- IoT-based monitoring and predictive maintenance for energy systems and related domains;
- Secure and resilient AI- and IoT-enabled cyber-physical energy systems;
- High-performance AI architectures;
- Edge and embedded AI for low-latency, energy-efficient intelligence in constrained environments;
- AI-powered robotics for domain-specific applications;
- Signal and image processing.

### Guest Editors

Prof. Dr. Lin Meng

Dr. Xiangbo Kong

Dr. Hengyi Li

### Deadline for manuscript submissions

15 February 2026



## Electronics

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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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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