

## Special Issue

# Resource-Aware Edge/on-Device Intelligence for Long-Term Autonomous Mobile Systems

### Message from the Guest Editors

This Special Issue aims to bring together researchers and practitioners from mobile systems, edge computing, and autonomous intelligence to explore resource-aware edge/on-device intelligence. The focus is on models, systems, and algorithms that explicitly coordinate computation, energy, and intelligent capability to support long-term autonomous operation in dynamic environments.

We invite original research contributions, including early-stage and system-oriented work, on topics including but not limited to, the following:

- Edge and On-Device Intelligence
- Resource-Aware Inference and Scheduling
- Systems and Model deployment on edge/device
- Long-Term Autonomous Operation
- Evaluation, Benchmarks, and Applications

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### Guest Editors

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### Deadline for manuscript submissions

15 November 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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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