Special Issue

Real-Time Control of Embedded Systems

Message from the Guest Editors

Embedded controllers have a wide variety of uses that vary from microcontrollers to consumer electronics, weapons to medical devices, and edge-level controllers to cloud-level control systems. Real-time control of embedded systems powered by artificial intelligence (AI) will revolutionize how we control environments including factories, workplaces, transportation systems, and power/water/gas grids. This Special Issue welcomes contributions on novel ideas related to embedded systems in various domains, such as Industrial Automation, Manufacturing, Robotics, Automotive, Appliance Automation, Healthcare, Wearable Systems, Energy Systems, Smart Grid and Smart Cities, including but not limited to the following topics:

- AI-powered real-time control for embedded systems;
- Modelling and simulation of real-time control for embedded systems;
- Sensing and perception of real-time controllers for embedded systems;
- Enhancing the energy efficiency of real-time control for embedded systems;
- Reliable and fault-tolerant real-time controllers for IoT devices;
- Lessons learned from the large-scale real-time control of embedded systems.

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Deadline for manuscript submissions

closed (15 December 2023)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/49511

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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

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