



Real-Time Control of Embedded Systems

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Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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