

Special Issue

Design and Application of Embedded and Cyber-Physical Systems

Message from the Guest Editors

We are pleased to invite you to contribute to the Special Issue on “Design and Application of Embedded and Cyber-Physical Systems”, which aims to bring together high-quality research and innovative developments in the design, modeling, implementation, and application of next-generation embedded and cyber-physical systems. Cyber-Physical Systems (CPSs) are at the intersection of computation, networking, and physical processes. Embedded systems form the technological core of CPSs, enabling intelligent sensing, control, and real-time decision making across diverse application domains. Topics of interest include, but are not limited to, the following:

- Embedded systems design, optimization, and verification;
- Real-time and distributed systems;
- Internet of Things (IoT) and Industrial IoT (IIoT);
- Edge and fog computing for CPSs;
- Control and automation systems;
- Machine learning and AI for CPS design and monitoring;
- Human-machine interaction and safety-critical CPSs;
- Smart cities, smart healthcare, and intelligent transportation systems;
- Energy-efficient and sustainable embedded architectures;
- Security, privacy, and resilience in CPSs.

Guest Editors

Dr. Dan Gota

Faculty of Automation and Computer Science, Department of Automation, Technical University of Cluj-Napoca, Memorandumului 28, 400014 Cluj-Napoca, Romania

Prof. Dr. Liviu C. Miclea

Faculty of Automation and Computer Science, Department of Automation, Technical University of Cluj-Napoca, Memorandumului 28, 400014 Cluj-Napoca, Romania

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Electronics
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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