Special Issue

Coordination and Communication of Multi-Robot Systems

Message from the Guest Editor

As robotics continues to advance, multi-robot systems are playing an increasingly pivotal role in various fields, including manufacturing, agriculture, healthcare, and disaster response. The effectiveness of such systems relies heavily on robust coordination and communication strategies. We invite you to contribute to this Special Issue, which will explore state-of-the-art approaches and technologies that enhance the autonomy, efficiency, and reliability of multi-robot systems. Research areas may include (but not limited to) the following:

- Distributed coordination and control mechanisms;
- Communication protocols for multi-robot systems;
- Swarm robotics and emergent behaviors;
- Multi-agent reinforcement learning applications;
- Human-robot interaction in multi-robot contexts;
- Fault-tolerant and resilient system designs;
- Task allocation and optimization strategies;Scalable and adaptive robotic systems;
- Real-world multi-robot system deployments and case
- Integrated sensing and communication (ISAC) in robots.

Guest Editor

Dr. Jian Zhang

Department of Information Technology, Kennesaw State University (KSU), Kennesaw, GA 30144, USA

Deadline for manuscript submissions

15 March 2026



Electronics

an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



mdpi.com/si/227944

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics





Electronics

an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

