Communication Systems and Manipulators for Robots and Unmanned Systems

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Message from the Guest Editors

Dear colleagues,

This Special Issue aims to present interesting papers focusing on the recent and emerging applications for robots and unmanned systems, which are related to the integration or use of novel manipulators or communication systems. The topics of interest include, but are not limited to:

- Innovative manipulators, actuators and end effectors for unmanned systems and robots;
- The development and integration of payload mechanisms and systems for drones and robots;
- Advanced communication systems and interfaces for unmanned systems and robots;
- Data confidentiality and data integrity solutions for robots and drones;
- Interfaces and communication technologies for the teleoperation of unmanned systems;
- The design, development and use of collaborative robots and systems;
- Solutions and systems for the coordination of multiple robots and robot swarms;
- Artificial intelligence solutions for the autonomous operations of drones and robots;
- Extensions for the grasping, embedding and attaching of drones and robots;
- Visual and contact-based mechanisms for surveying and inspection with robots and drones.

Special Issue

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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 guest-edited by leading experts in selected topics of interest.

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