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The Application of Control Systems in Robots

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Message from the Guest Editors

Dear Colleagues,

We are pleased to announce a Special Issue of our journal focused on the latest advancements in control strategies for robot applications. In recent years, robotic platforms have found significant utility across a wide range of fields. To ensure high levels of performance, it is essential for control systems in robots to provide reliable, robust, efficient, and intelligent solutions.

The aim of this Special Issue is to foster discussions on state-of-the-art control strategies for robot applications. Some of the areas of interest include, but are not limited to:

- Guidance, navigation, and control (GNC) in robotics;
- Multi-robot system operations and networked control system for collaborative tasks;
- Collision-free dynamic path planning in uncertain environments;
- Mechanical, electrical, and computer programming aspects for robot control;
- Perception, processing, and action as well as cybernetics for cyber-physical systems;

We eagerly anticipate your contributions to this Special Issue. By sharing your expertise and research findings, we can collectively advance the field of robot control and foster innovation in this rapidly evolving domain.



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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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