Special Issue

Advances in Sensing, Control and Path Planning for Robotic Systems

Message from the Guest Editors

Advanced sensing, control and path-planning algorithms for robotic systems have gained much popularity in recent years. For example, in advanced manufacturing, specialists have the ability to increase manufacturing productivity and energy efficiency through the use of these advanced algorithms. However, improved performance and safety requirements are causing a steady increase in the complexity of robotic control and path planning problems. Moreover, on-board sensing systems require advanced sensor-fusion and signal filtering methods to provide high-quality perceptions. This Special Issue, therefore, aims to collect original research and review articles on recent advances in technologies, solutions, applications, and challenges in the field of robotic systems. Authors are invited to submit high-quality papers on topics including, but not limited to, the followina:

- path planning algorithms
- Localization algorithms;
- Space exploration;
- Task scheduling algorithms;
- Sensor-fusion methods;
- Advanced filtering;
- Autonomous robots in unknown environment;
- Multi-agent robotic systems;

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological

developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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