

## 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 following:

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

### Guest Editors

Dr. Rafal Szczepanski

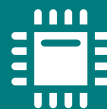
Institute of Engineering and Technology, Faculty of Physics Astronomy and Informatics, Nicolaus Copernicus University, Wilenska 7, 87-100 Torun, Poland

Dr. Erfu Yang

Department of Design, Manufacturing and Engineering Management, University of Strathclyde, Glasgow G1 1XJ, UK

### Deadline for manuscript submissions

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## Sensors

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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