

Special Issue

Intelligent Sensing for Robotic Control and Visual Perception

Message from the Guest Editor

Vision is one of the most powerful awareness extensions that can be integrated into a system. When coupled with modern intelligent techniques, artificial vision systems achieve far greater robustness and adaptability. This Special Issue, 'Intelligent Sensing for Robotic Control and Visual Perception', will highlight recent advances in sensor technologies and perception algorithms that enable robots to understand and interact with complex, dynamic environments. We seek contributions on novel sensors, multimodal fusion, event-based and vision-based perception, learning-based control, and system-level integration for real-time navigation, manipulation, human–robot interaction, and mixed reality applications. Submissions may include theoretical developments, experimental systems, and application-driven demonstrations that advance robust, adaptive robotic sensing and control.

Guest Editor

Prof. Dr. Adrian Burlacu

Department of Automatic Control and Applied Informatics, Gheorghe Asachi Technical University of Iasi, 70050 Iasi, Romania

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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