

Special Issue

Applications of Multisensory Fusion for Automation and Control of Robotic Systems

Message from the Guest Editors

For decades, the tasks assigned to robots have constantly evolved to give birth to today's robots, that which participate more and more in the daily life of humans. The robots of yesteryear were very heavy manipulators, static and confined in factories to perform repetitive tasks in often familiar and static environments. Today's robots are increasingly mobile, independent, intelligent, and autonomous to provide more services that were, not so long ago, pure science fiction. The continuous improvement of their autonomy and efficiency has enabled their implementation in many fields such as transportation, medicine, construction, agriculture, and human services. Advances in sensor technologies and their integration into intelligent devices and systems have accelerated the increase in the autonomy and efficiency of robotic systems, enabling them to perform tasks that are more complex. In this Special Issue, we invite original review and research papers addressing multi-sensor integration and fusion for the control of robotic systems such as UAVs, humanoid robots, collaborative robots, robotic manipulators, aerial manipulators, automated vehicles, etc.

Guest Editors

Prof. Dr. Abdelaziz Benallegue

Versailles Engineering Systems Laboratory, University of Versailles Saint-Quentin, 78000 Versailles, France

Dr. A. El Hadri

Versailles Engineering Systems Laboratory, University of Versailles Saint-Quentin, 78000 Versailles, France

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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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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

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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