

Special Issue

Laser Sensing in Robotics

Message from the Guest Editor

The scope of this Special Issue, “Laser Sensing in Robotics”, includes the following main topics, but is not limited to these:

New laser and optical sensors in robotics: LIDAR, laser scanners, laser imaging, laser spectroscopy sensors, optical sensors, etc.

Research of laser–matter interaction for the development of new methods for laser sensing in robotics.

New materials development, development of new research methods (measurement principles: absorption, fluorescence, reflection, scattering, photoacoustic, etc.) for laser sensors in robotics.

Image processing methods for optical and laser sensors (imaging techniques for spatially and temporally resolved information, spectral analysis) in robotics.

Artificial intelligence methods for receiving and evaluating information from laser sensing; intelligent sensors.

The application of laser sensing and smart laser sensors in environmental monitoring, industrial process monitoring, agriculture, security by air crafts, vessels and underwater vehicles, workplace safety, food science, biology, and health services.

Guest Editor

Prof. Dr. Oleg A. Bukin

Research and Development, Maritime State University, Vladivostok, Russia

Deadline for manuscript submissions

closed (31 December 2021)



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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