Special Issue

New Developments in Active Laser Sensors

Message from the Guest Editor

Since their discovery, the use of lasers as highly sensitive measurement devices has been actively pursued. This pursuit seems to be paying off as we have seen the rise of laser-based devices that can measure rotation, acceleration, index of refraction, magnetic field, and any other quantity that affects the phase of light inside a laser cavity. The bane of most laser development, the extreme sensitivity of a laser to its environment, is harnessed here to create highly sensitive measurement devices. This Special Issue will highlight advances in laser technology that can be applied to laser sensing. Papers that cover basic aspects of classical and quantum signal enhancement and/or noise reduction are invited. For further information about the topics of interest, please visit: https://www.mdpi.com/journal/sensors/special_issues/ndals

Guest Editor

Prof. Dr. Jean-Claude Diels

Department of Physics, Optical Science, and Electrical Engineering, University of New Mexico, Albuquerque, NM 87131, USA

Deadline for manuscript submissions

closed (28 February 2021)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/56986

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)