

sensors



an Open Access Journal by MDPI

Numerical Modeling for the Sensor Application

Guest Editors:

Dr. Francesco De Leonardis

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Dr. Andrei Tsarev

NanoPhotonics and Integrated
Optics Group, Laboratory of
Optical Materials and Structures
(N 6), Institute of Semiconductor
Physics SB RASProspect
Lavrenteva, 13,630090
Novosibirsk, Russia

Message from the Guest Editors

Traditionally, numerical modeling is supported by experimental research, but sometimes numerical results are ahead of experiments or conducted by research groups without the possibility of experimental facilities. However, although fabrication possibilities and experimental studies are becoming more and more familiar, modeling techniques and design criteria still represent a fruitful approach in many novel application fields, including optical sensors. Thus, the aim of the Special Issue “Numerical modeling for the sensor application” is to collect the best research papers on optical sensors where the numerical modeling is included with experiments and/or the theoretical results are presented before further experimental verification

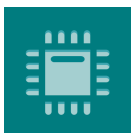
Deadline for manuscript
submissions:

closed (25 July 2023)



mdpi.com/si/75656

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)