

Special Issue

Sensor-Based Optical Coherence Tomography: Technology and Applications

Message from the Guest Editors

Recently, with the increased use of optical coherence tomography (OCT) in clinical practice, there has been growing interest in upgrading the OCT system and its applications due to the development of sensors and devices suitable for each field. OCT is applied not only in traditional ophthalmology, but also in various other fields, including cardiology, dermatology, and dentistry. Therefore, this Special Issue aims to collect original research articles and review articles on the advancement and clinical applications of OCT through the development of new parts, devices, and subsystems to be applied in specific fields. Potential topics include, but are not limited to, the following:

- New devices for optical coherence tomography (OCT);
- High-speed OCT;
- Improved image quality of OCT;
- Optical coherence microscopy for pathology applications;
- Diagnosis using OCT images and AI;
- Multi-imaging systems combined with OCT;
- Sensor systems combined with OCT.

Guest Editors

Dr. Joo Beom Eom

Prof. Dr. Phil Sang Chung

Dr. Woonggyu Jung

Deadline for manuscript submissions

closed (20 November 2023)



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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

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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