

Special Issue

Recent Advances and Applications of Optical and Acoustic Measurements

Message from the Guest Editors

This Special Issue invites articles from a vast range of topics that take optical and acoustic measurements in different environments, from biological to underwater settings. Optical and acoustic measurements both involve the usage of fundamental properties, such as diffraction, absorption, transmission, and scattering. Now, techniques such as optical coherence tomography and ultrasound are extensively used in clinical diagnostics worldwide. This Special Issue will not only present the advantages and the limitations of these techniques, but also inform readers about the combination of optics and sound, namely photoacoustic imaging. We welcome both review papers and original contributions related to an array of research fields. The topics of interest include, but are not restricted to:

- Imaging;
- Spectrometry;
- Optical interferometric techniques;
- Nano-optics;
- Fiber optics;
- Biomedical optics;
- Photoacoustics;
- Ultrasound in sensing;
- Hydrophones;
- Fiberoptic hydrophones;
- Ultrasonic actuators;
- Ultrasonic cleaning;
- Ultrasonic fabrication and imaging.

Guest Editors

Prof. Dr. Uma Maheswari Rajagopalan

Department of Mechanical Engineering, College of Engineering,
Shibaura Institute of Technology, 3-7-5 Toyosu, Koto-ku, Tokyo 135-
8548, Japan

Prof. Dr. Yoshikazu Koike

Electronic Engineering, College of Engineering, Shibaura Institute of
Technology, Tokyo 135-8548, Japan

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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About the Journal

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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