

Special Issue

Ultrasonic Sensors 2019–2020

Message from the Guest Editors

Ultrasonic sensors are widely used in a multitude of applications in diverse industrial and nonindustrial settings. This Special Issue aims to highlight advances in the modeling and development of novel sensors that go beyond ultrasonic with applications in a wide range of fields. A particular emphasis will be on combining sensing approaches and modalities that include multiple wave-based technologies into a single sensor. Topics include but are not limited to:

- Novel materials that sense different types of excitation with the same material;
- Sensors that combine response from any kind of waves (acoustic to electromagnetic);
- Electroacoustic, magnetoacoustic, photoacoustic effects;
- Nondestructive testing/material characterization;
- Challenging environments: High/low temperature, pressure, radiation, corrosiveness;
- Remote sensing;
- Ultrasonic imaging and visualization;
- Industrial applications (oil and gas, geothermal, automotive, etc.);
- Physical acoustics (solids, liquids, and gases);
- Medical and biomedical ultrasonic sensors.

Both review articles and original research papers in the field of ultrasonic sensors are solicited.

Guest Editors

Dr. Dipen N. Sinha

Materials Synthesis and Integrated Devices group (MPA-11), Los Alamos National Laboratory, MS D429, Los Alamos, NM 87545, USA

Dr. Cristian Pantea

Materials Physics and Applications (MPA-11), Los Alamos National Laboratory, Los Alamos, NM 87544, USA

Deadline for manuscript submissions

closed (31 December 2020)



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Sensors
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

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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