

## Special Issue

# Ultrasonic Sensors and Technology for Material Characterization

### Message from the Guest Editors

This special issue aims to bring together the most recent research where ultrasound is used for material state assessment, including studies using more than one measurement modality. In this special issue we look forward to receiving papers on a wide range of research topics, but not limited to, the following themes:

- Ultrasonic measurement for material state awareness
- Ultrasound interaction with and characterization of solid state and glued joints/interfaces, including non-linear response
- Modelling of both forward and inverse scattering to assist in developing wave-material interactions for material state assessment
- Sensors, measurement systems and data processing to give enhanced material state assessment and mapping
- New signal processing approaches which improve the capabilities of ultrasonic testing and evaluation
- Ultrasonic phased array based approaches for material state assessment.

For this special issue you are welcome to submit review papers that provide new assessments for aspects of the field or original research which report new measurements, modelling and experimental systems, that investigate material state including the use of ultrasound.

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### Guest Editors

Prof. Dr. Leonard J. Bond

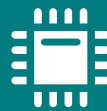
Prof. Dr. Zenghua Liu

Prof. Dr. Nico F. Declercq

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### Deadline for manuscript submissions

closed (30 September 2020)



## Sensors

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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.

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### Editor-in-Chief

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