## **Special Issue**

## Advances in Ultrasound Sensor and Ultrasound Imaging

## Message from the Guest Editor

Ultrasonic sensor and imaging technologies have been developed for more than one hundred years, and there are four main application scenarios: underwater scenarios, airborne scenarios, and in solid and biological tissues. Ultrasonic sensors can be based on disruptive concepts or can be an improvement of traditional devices, but they must be used for the purpose of imaging. These new alternatives could be equally efficient and less expensive, or equally cheap and higher performance, compared with existing sensors. We also welcome ultrasonic sensors and imaging technologies for some special applications. Potential topics include, but are not limited to, the following:

- New ultrasound sensors with advances in acoustic capturing, acoustic-electric transition, or real-time electrical signal conditioning;
- Acoustic metamaterial devices equipped with conventional or new ultrasonic sensors;
- New ultrasound imaging techniques driven by advances in ultrasound sensors;
- Theoretical and experimental investigations of the influences of ultrasound sensor performance on ultrasound imaging performance.

### **Guest Editor**

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## Deadline for manuscript submissions

closed (20 November 2024)



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## 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 multidimensional network.

## Editor-in-Chief

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