Special Issue

Applications on Ultrasonic Wave ||

Message from the Guest Editor

The field of ultrasonic waves has created much interest over the past several decades for nondestructive methodology to evaluate mechanical properties, damage states, and material condition of engineering structures. Ultrasonic waves are also widely used in medicine to obtain images of internal body structures such as muscles, tendons, blood vessels, joints, and organs. The present Special Issue intends to explore new directions in the field of applications on ultrasonic waves. The interest includes but is not limited to the use of ultrasonic waves for engineering research areas such as nondestructive testing/evaluation, structural health, and condition monitoring of materials and structures and medical areas such as ultrasonic imaging, sensors, and signal analysis. Keywords

- ultrasonic waves
- nondestructive testing/evaluation
- structural health/condition monitoring
- signal analysis
- medical applications
- engineering applications
- theoretical analysis on wave propagation and scattering
- ultrasonic wave imaging
- new technologies on ultrasonic waves
- wave signal analysis by machine learning and AI

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/78603

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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 multi-dimensional network.

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