



Holography in Acoustics and Ultrasonics

Guest Editors:

Prof. Dr. Francisco Camarena

Instituto de Instrumentación
para Imagen Molecular (i3M),
Universitat Politècnica de
València (UPV), Consejo Superior
de Investigaciones Científicas
(CSIC), 46022 València, Spain

Dr. Noé Jiménez

Instituto de Instrumentación
para Imagen Molecular (i3M),
Universitat Politècnica de
València (UPV), Consejo Superior
de Investigaciones Científicas
(CSIC), 46022 València, Spain

Deadline for manuscript
submissions:
closed (20 August 2021)

Message from the Guest Editors

Dear Colleagues,

Acoustic holography captures three-dimensional wavefield information in a two-dimensional surface, enabling applications that range from accurate source characterization to advanced ultrasound beamforming. Holography was discovered by the Nobel laureate Denis Gabor in the 1950s, but only in recent years has its full potential been revealed in acoustics and ultrasonics. In this Special Issue, we call for papers that present recent advances in acoustic holography using acoustic and elastic waves, including from acoustic holograms for beamforming using lenses and metamaterials, haptic devices and particle trapping, to acoustic holographic methods for source characterization and identification.

Keywords: acoustic holography; acoustic holograms; near-field acoustic holography





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)