Special Issue

Holography in Acoustics and Ultrasonics

Message from the Guest Editors

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 Novel 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

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), Consejo Superior de Investigaciones Científicas (CSIC)—Universitat Politècnica de València, 46022 Valencia, Spain

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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