

Special Issue

Artificial Intelligence in Acoustic Simulation and Design

Message from the Guest Editors

Acoustics is one of the most highly rated parameters for the built environment and cities. Sound is central to everyday life and it affects the activities and comfort of individuals. It can both cause stress and also be relaxing. This dual effect intrigues acoustics scientists and stimulates new ideas and research every day. The coupling of artificial intelligence and acoustics is a brand new field of science, and is one that is sure to lead to interesting applications and uses. For these reasons, this Special Issue, "Artificial Intelligence in Acoustic Simulation and Design", has been launched. This Special Issue aims to include original research and high-quality review articles on the use of artificial intelligence in every field of acoustics, including its possible applications, the use of datasets, machine learning, simulation-based research, and design. Reports on experimental, computational, or multidisciplinary research are encouraged, and review articles describing the current state of the art are also welcome.

Guest Editors

Dr. Marco Caniato

Faculty of Science and Technology, Free University of Bozen-Bolzano,
39100 Bozen, Italy

Dr. Paolo Bonfiglio

Materiacustica s.r.l., 44122 Ferrara, Italy

Deadline for manuscript submissions

closed (20 November 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/189175

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

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)