



**Journal of the
AUDIO ENGINEERING SOCIETY
CALL for PAPERS**



**SPECIAL ISSUE
ADVANCEMENTS IN DIGITAL AUDIO EFFECTS**

Guest Editors: Gianpaolo Evangelista, Peter Balazs and Piotr Majdak

We are pleased to invite contributions to the special issue on Advancements in Digital Audio Effects to appear on the Journal of the Audio Engineering Society (<http://www.aes.org/journal/>).

Almost any object designed to simulate the generation of sound and/or its manipulation and analysis can be considered as a digital audio effect. New trends in this discipline integrate linear and non-linear audio signal processing concepts with machine learning, parameter optimization techniques and perception.

In this Special Issue we welcome both original research papers and tutorials in one or more of the following topics:

- Capture and analysis of audio and music
- Representation, transformation and modeling of audio signals
- Audio transmission and resynthesis
- Effects and manipulation of sound

- Perception, psychoacoustics and evaluation
- Spatial sound analysis, coding and synthesis
- Sound source separation
- Physical modeling, virtual acoustic and analogue models
- Sound synthesis, composition and sonification
- Hardware and software design for audio effects
- Music Information Retrieval and Intelligent Audio Engineering

Submissions will be judged based on their academic quality, novelty and relevance to the topic of digital audio effects.

Authors of excellent contributions to relevant conferences, such as the 23rd International Conference on Digital Audio Effects (DAFx2020 - Vienna, Austria), will also be invited to submit an extended version of their paper to this Special Issue.

AUTHOR GUIDELINES

All submissions will be peer-reviewed according to standard JAES review procedures. We welcome original research and tutorials, as well as revised and expanded versions of DAFx2020 or AES conference papers addressing the theme of this special issue. Please follow the Author Guidelines found at: <http://www.aes.org/journal/authors/guidelines/>. The normal page limit for JAES articles is eight pages. Papers should be submitted online at: <http://www.aes.org/journal/submit/>.

This special issue is expected to be published in mid 2021; therefore a tight reviewing and revision schedule will be in place.

Deadline for Submissions: 15th December 2020