



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



**SPECIAL ISSUE
NEW TRENDS IN AUDIO EFFECTS**

Guest Editors: Peter Balazs, Gianpaolo Evangelista, Sylvain Marchand and Stefania Serafin

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

Due to the cross-breeding of several disciplines ranging from Signal Processing to Machine Learning, from Numerical Methods to Physical Models, in recent years the field of Audio Processing and Sound Modeling has shown broad innovation in research and applications.

For example, through the use of Artificial Intelligence concepts, new methods are available for audio effects or signal synthesis. Through the use of virtual circuits, digital replicas of vintage analog electronics audio equipment can be realized. New models for sound spatialization are being discovered with particular attention to virtual reality applications and beyond. Other numerous developments exist.

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 24th International Conference on Digital Audio Effects (DAFx20in21 - 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 DAFx20in21 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 2022, therefore a tight reviewing and revision schedule will be in place.

Deadline for Submissions: 20th January 2022