



Journal of the AUDIO ENGINEERING SOCIETY

CALL for PAPERS SPECIAL ISSUE

CREATIVE DIGITAL AUDIO EFFECTS



We are pleased to invite contributions to this Special Issue on Digital Audio Effects, to appear in the *Journal of the Audio Engineering Society (JAES)* (<http://www.aes.org/journal/>).

This Special Issue follows the 29th International Conference on Digital Audio Effects (DAFx26), held in Cambridge, MA, USA, 1–4 September 2026 at the Massachusetts Institute of Technology. It is open to all researchers, developers, and audio professionals working in the field whether or not they presented at the conference. The conference brought together research practitioners across the globe working with digital audio processing for music and speech, sound design, sound art, acoustics, and related applications, with a particular focus this year on novel creative audio effects.

Digital audio effects are deployed as creative tools in fields such as music production, live performance, and game audio. Designing them involves understanding the artistic aims of the intended user and developing an aesthetic approach to designing the audio effects themselves. At the same time, digital audio effects are complex technical systems often employing the latest in scientific audio research. Some major current research themes in creative audio effects include artificial reverb, virtual analog, physical modeling, filter design, and sound synthesis. Recently, machine learning has found uses in all these subfields. We invite contributions on the theme of creative digital audio effects, including novel creative applications of audio effects and advances in the technologies that power them.

We welcome original research papers, engineering reports, and tutorials on but not restricted to the following topics:

- Signal processing and analysis
- Creative audio effects, sound synthesis, and composition
- Physical modeling and virtual analog
- Spatial sound, room acoustics, and artificial reverberation
- Music information retrieval, source separation, and audio restoration
- Machine learning for audio
- Audio coding and data representation
- Perception and psychoacoustics
- Hardware and software design

Submissions will be judged on their academic quality, novelty, and relevance to the theme of this Special Issue. Authors of accepted DAFx26 papers are encouraged to submit an extended version containing at least 30% new material beyond their conference proceedings manuscript. The Special Issue is equally open to original submissions that were not presented at the conference.

GUEST EDITORS

Kurt James Werner (Soundtoys, Inc.)

Mark Rau (Massachusetts Institute of Technology)

Elliot Kermit Canfield-Dafilou (Yale University)

Orchisama Das (King's College London)

AUTHOR GUIDELINES

We welcome original research and review papers and revised and expanded versions of DAFx26 conference papers addressing the theme of this Special Issue. Please follow the Author Guidelines and most recent JAES template available at <http://www.aes.org/journal/authors/guidelines/>. Papers should be submitted online at <http://www.aes.org/journal/submit/>. When submitting a manuscript, please choose the category “Special Issue (DAFx26)” [exact category label to be confirmed with JAES production staff] rather than “Research Paper,” “Engineering Report,” or “Review Paper.” All submissions will be peer-reviewed according to standard JAES review procedures. JAES offers its authors an open access (OA) publishing option.

Submission deadline: Monday, 1 March 2027

Planned publication: Fourth quarter 2027

JAES offers Open Access



The AES Journal is pleased to offer an **Open Access (OA) publishing option** to its authors.

A growing number of countries and research funding bodies require OA to publicly funded research. If an AES paper has been made OA, it will be freely downloadable from the AES E-Library by anyone, even if they are not an AES Member or E-Library subscriber. An OA paper can also be distributed by the author and by third parties. For further information refer to <https://aes.org/publications/open-access-publications/>.