Journal of the
AUDIO ENGINEERING SOCIETY
CALL for PAPERS
SPECIAL ISSUE
FOSTERING CREATIVITY THROUGH WEB AUDIO

We are pleased to invite contributions to the special issue on "Fostering Creativity through Web Audio" to appear in the Journal of the Audio Engineering Society (**http://www.aes.org/journal/**).

Browser engineers have continuously improved the capabilities of web browsers to play, process, and record audio over the last decade. With most parts of the Web Audio API supported by all major web browsers, rich audio applications in the browser—such as interactive sound experiences, sound editors, digital audio workstations, music live coding environments, capabilities for online audio analysis and visualization, and diverse types of collaborative music-making applications—are now a reality.

As a result, many designers and developers have recently focused on building new frameworks, tools, and applications on top of Web Audio technologies, advancing a creative, often collaborative or simply socially aware, perspective in sound generation, manipulation, and distribution.

In this special issue, we welcome unpublished work presenting advanced web audio tools, frameworks, and applications, which contribute to the theme of Fostering Creativity through Web Audio and feature research on—but not restricted to—the topics listed next:

- Web-based live coding environments;
- Collaborative environments for audio and music generation and performance;
- Frameworks and tools featuring new abstractions on top of Web Audio API and other related APIs;
- Innovative audio-based web applications and instruments;
- Audio transmission and resynthesis;
- Web Audio frameworks for audio synthesis, processing, analysis, and transformation;
- Development tools, practices, and strategies for web audio applications; and
- Web Audio API, Web MIDI, WebRTC, and other existing or emerging web standards for audio and music.

Submissions will be judged based on their academic quality, novelty, and relevance to the aforementioned topics. Authors of excellent contributions to relevant conferences, such as the 7th Web Audio Conference (WAC 2022), will be invited to submit a revised and extended version of their paper to this special issue.

GUEST EDITORS
Michel Buffa (University Côte d'Azur, France)
Chrisoula Alexandraki (Hellenic Mediterranean University, Greece)
Jerome Lebrun (CNRS, France)
Charlie Roberts (Worcester Polytechnic Institute, USA)

AUTHOR GUIDELINES

We welcome original research papers and reviews, as well as revised and expanded versions of conference papers addressing the theme of this special issue. Please follow the Author Guidelines 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 to this special issue, please choose the "Special Issue (Fostering Creativity through Web Audio)." All submissions will be peer-reviewed according to standard JAES review procedures. JAES offers an Open Access (OA) publishing option to its authors.

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