



AUDIO ENGINEERING SOCIETY

CALL for CONTRIBUTIONS

AES 55TH INTERNATIONAL CONFERENCE

Spatial Audio



Helsinki, Finland

August 27–29, 2014

Chair: Lauri Savioja, Aalto University. Email: 55th_chair@aes.org

Papers chair: Tapio Lokki, Aalto University. Email: 55th_papers@aes.org

The focus of AES 55th Conference is Spatial Audio—one of the largest research topics in the field of audio. The conference aims to bring together researchers and practitioners in all aspects of spatial audio, including recording and reproduction of spatial sound, perception of

spatial sound, transmission and coding. Dedicated workshops will be arranged to give an up-to-date view of the practical implementation of spatial audio in different applications, such as broadcasting, game audio and the recording industry, to name a few.

PROPOSED TOPICS

Spatial sound techniques

- Spatial sound capturing
- Coding and transmission of spatial sound
- Loudspeaker and headphone reproduction
- 2D and 3D loudspeaker setups
- Ambisonics
- Wave field synthesis
- Parametric spatial audio
- Spatialization
- Reverberation effects
- Time-frequency-domain spatial audio

Spatial sound psychophysics

- Perception of spatial sound
- Multimodal perception
- Evaluation of spatial sound

Spatial audio engineering

- Content production
- Mixing and mastering
- Acoustical modeling of spatial sound
- Spatial effects

Please contact 55th_chair@aes.org if you are unsure about suitability of topics.

SUBMISSION INFORMATION

The AES 55th Conference committee invites the submission of research and technical papers. For this conference we request that full papers of between 4 and 8 pages be submitted to the AES 55th committee by **1 March 2014** at: www.aes.org/55th_authors. An author's kit describing the paper format will also be available at that site. Papers and author information may be submitted anytime after **1 February 2014**. Acceptance of papers will be determined by the 54th Conference review committee and authors will be informed of the decision before **14 May 2014**. Final versions of papers following any revisions guided by the committee's review must be submitted by **1 June 2014**.

The conference program will include both oral and poster presentation of papers, but both will have equal status in the proceedings. Authors can express a preference for oral or poster format, although the final decision will be made by the program committee.

Tutorials and workshops will complement the conference paper sessions by providing panel presentations and lectures led by experts in the field. These events will provide in-depth yet practical discussions related to spatial audio while demonstrating the application of science in real-world scenarios. Demonstrations relating to spatial audio are also invited. Authors are encouraged to submit proposals for demonstrations, workshops and tutorials by contacting 55th_workshops@aes.org directly.

Registration: at least one author of each contribution must pay to register for the conference, and attend to present, or it will not be included in the proceedings. Any author wishing to attend the conference must pay the registration fee.

IMPORTANT DATES

Manuscript deadline: 1 March 2014.

Authors informed of decision: 14 May 2014.

Camera-ready submission deadline: 1 June 2014.

Open Access

Authors will have the option of submitting Open Access papers.

