



AUDIO ENGINEERING SOCIETY

CALL for CONTRIBUTIONS

AES 53RD INTERNATIONAL CONFERENCE

Semantic Audio

London, UK January 27–29, 2014



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Semantic Audio is concerned with content-based management of digital audio recordings. The rapid evolution of digital audio technologies, e.g. audio data compression and streaming, the availability of large audio libraries online and offline, and recent developments in content-based audio retrieval have significantly changed the way digital audio is created, processed, and consumed. New audio content can be produced at lower cost, while also large audio archives at libraries or record labels are opening to the public. Thus the sheer amount of available audio data grows more and more each day.

Semantic analysis of audio resulting in high-level metadata descriptors such as musical chords and tempo, or the identification of speakers, facilitates content-based management of audio recordings. Aside from audio retrieval and recommendation technologies, the semantics of audio signals are also becoming increasingly important, for instance, in object-based audio coding, as well as intelligent audio editing and processing. This conference will give a broad overview of the state of the art and address many of the new scientific disciplines involved in this still-emerging field.

PROPOSED TOPICS

- Audio signal processing and feature extraction
- Machine learning methods for audio content analysis
- Intelligent audio production using semantic analysis
- Intelligent audio effects
- Semantic audio description and ontologies
- Semantic Web and Linked Data for audio
- Automatic tagging of audio signals
- Speech processing and analysis
- Content-based audio retrieval
- Music informatics and retrieval
- Automatic music transcription
- Audio source separation
- Audio restoration
- User interfaces for audio management and retrieval
- Applications in gaming, entertainment, education, etc.

SUBMISSION INFORMATION

Submissions may include full papers for peer review (4–10 pages, conforming to the AES conference template), or short, late-breaking paper proposals including a title and abstract (60–120 words). Complete manuscripts (encouraged for full peer review) should be submitted at www.aes.org/53rd_authors by September 15, 2013. Latebreaking paper proposals should be submitted by October 15, 2013.

Peer reviewed papers may be presented in the main sessions, or as a poster at the discretion of the committee, although authors may indicate a preference. Acceptance of papers will be determined by the 53rd International Conference review committee based on the full-paper submission. Accepted authors will be notified by November 6, 2013. Final manuscripts must be submitted by November 27, 2013. Authors wishing their conference papers to be considered for publication by the Journal of the Audio Engineering Society (JAES), should read the Journal's guidelines described at: <http://www.aes.org/journal/authors/guidelines/> and, following the conference, submit a revised and extended version of their paper for review, using the Journal's online submission system.

Acceptance of late-breaking demo and poster proposals will be determined by the review committee based on the abstract. Accepted authors will be invited to submit two-page extended abstracts (short papers), which will not form part of the official proceedings, but will be published online, and available from the conference web site. Authors of short papers are also invited to use alternative publication routes including arXiv.org. Accepted authors will be notified by November 6, 2013. Final submissions will due January 6, 2014.

All papers must conform to the LaTeX or MS-Word templates available from www.aes.org/53rd_authors. If you have any questions about peer reviewed paper, poster or extended abstract submissions, please contact: 53rd_papers@aes.org. Conference website: <http://www.aes.org/conferences/53/>

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: September 15, 2013.

Late-breaking demo/poster proposal deadline: October 15, 2013.

Acceptance emailed: November 6, 2013.

Camera-ready submission deadline: November 27, 2013.

Late-breaking paper deadline (extended abstracts): January 6, 2014.

Open Access

Authors will have the option of submitting Open Access papers.

