

AUDIO ENGINEERING SOCIETY

CALL for PAPERS

AES 42ND CONFERENCE, 2011

Semantic Audio, Ilmenau, Germany



Dates: July 22–24, 2011, **Location:** Ilmenau, Germany

Cochairs: Karlheinz Brandenburg and Mark Sandler, Email: 42nd_chair@aes.org

Semantic Audio refers to the research and development targeted toward content-based handling of digital audio recordings. The rapid evolution of digital audio technologies, audio compression, and streaming has significantly changed the way digital audio is created, processed, and consumed today. New audio content can be produced at a very low cost. Thus the sheer amount of available audio data grows more and more each day. Content-based management of audio recordings is essential to enable efficient use of these data. Aside from audio retrieval and recommendation techniques, the semantics of audio signals are also becoming more important in object-oriented audio coding, editing, and processing. Recent product releases demonstrate this, but many more innovative functionalities are becoming available.

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. Our purpose is to continue fostering this line of interdisciplinary research. This is reflected by the wide variety of invited speakers presenting at the conference. Talks will be given by Karlheinz Brandenburg, Dan Barry, Masataka Goto, Meinard Mueller, Christof Faller, Juergen Herre, Jay LeBoeuf, Matija Marolt, Markus Cremer, Bjoern Schuller, and Sebastian Stober. For an up-to-date list of the invited talks, please refer to the conference website at www.aes.org/conferences/42/.

Proposed papers will be assessed through full paper review. Manuscripts of maximum 10 pages (3000 words) are to be submitted by **February 27, 2011** at www.aes.org/42nd_authors, which you can visit for more information and complete instructions anytime after November 22, 2010. We welcome contributions in all relevant areas, including, but not limited to the topics listed below. The manuscript should detail the problem statement, work performed, methods employed, conclusion(s), and significance of the paper. Please follow the guidelines found at <https://secure.aes.org/authors/guidelines/>. Acceptance of papers will be determined by the 42th Conference paper committee based on full paper review. Accepted authors will be notified by **March 31, 2011**.

PROPOSED TOPICS FOR PAPERS

Semantic audio production
Semantic audio description and ontologies
Audio signal processing and feature extraction
Machine learning methods for audio content analysis
Automatic tagging of audio signals
Content-based audio retrieval
Music information retrieval
Music recommendation
Music informatics

User interfaces for audio management and retrieval
Intelligent audio effects
Audio restoration
Games and entertainment
Speech processing and analysis
Automatic music transcription
Audio source separation
Industrial applications
Semantic web

SUBMISSION OF PAPERS

Please submit complete papers at www.aes.org/42nd_authors no later than **2011 February 27**. If you have any questions, contact:

SCHEDULE

Paper deadline: 2011 February 27
Acceptances sent by: 2011 March 31
Revised paper deadline: 2011 April 30

PAPERS COCHAIRS

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