

AES 53rd International Conference **Semantic Audio**

27-29 January 2014, London, UK

Overview

Semantic Audio is concerned with content-based management of digital audio recordings. Semantic analysis of audio resulting in high-level metadata descriptors such as musical chords and tempo, or the identification of speakers facilitate content-based management of audio recordings. Aside from audio retrieval and recommendation technologies, applications include object-based audio coding, intelligent audio editing and processing. Recent product releases already demonstrate this to a great extent, however, more innovative functionalities are imminent. These functionalities may utilise, for instance, (informed) audio source separation, speaker segmentation and identification, structural music segmentation, or social and Semantic Web technologies, including ontologies and linked open data. 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.

Topics of interest

- Audio signal processing and feature extraction
- Machine learning for audio content analysis
- Intelligent audio production and 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 retrieval
- Applications in gaming, entertainment, education

Programme

The three (+1) day conference programme includes oral and poster sessions to be held at the Barbican Centre in a convenient central London location, social events, and a **technical tour at the BBC**. An additional **tutorial day on 26 January 2014** will be held at Queen Mary University of London on effective research practices (e.g. the use of version control in audio research) and Intelligent audio production.

Keynote and invited speakers:

- **Meinard Müller** (International Audio Laboratories)
- **Gaël Richard** (TELECOM ParisTech and CNRS)
- **Gerhard Widmer** (Department of Computational Perception, Johannes Kepler University)
- **Tuomas Eerola** (Department of Music, Durham University)
- **Yves Raimond** (BBC R&D)
- **Xavier Serra** (Music Technology Group, Universitat Pompeu Fabra)

For more information and the complete call for papers, please refer to the conference website at: <http://www.aes.org/conferences/53/>.

Important Dates

Manuscript deadline: **September 25, 2013**.
Late-breaking demo proposals: **October 15, 2013**.
Acceptance notification: November 13, 2013.
Camera-ready submission: December 2, 2013.
Late-breaking paper deadline: January 6, 2014.

Organisation

Queen Mary, University of London, UK
Fraunhofer IDMT, Ilmenau, Germany
Prof. Karlheinz Brandenburg and
Prof. Mark Sandler (Chairmen)
Christian Dittmar, Sebastian Ewert,
George Fazekas (Paper co-chairs)