

AUDIO ENGINEERING SOCIETY

CALL for PAPERS

AES 30th International Conference, 2007

Intelligent Audio Environments

Saariselkä, Finland



Dates: March 15 to 17, 2007

Location: Hotel Riekonlinna, Saariselkä, Finland

Cochairs: Juha Merimaa and Tapio Lokki,
Helsinki University of Technology,
Email: 30th_cochairs@aes.org

The AES 30th International Conference will bring together researchers and developers in the field of intelligent audio environments. The subject matter covers a wide range of topics related to sound capture, analysis, transmission, and reproduction. Through sound capture and analysis, sound source locations may be tracked and their signals separated based upon their acoustic characteristics. Transmission allows for part or all of the signals to be effectively delivered to other locations for effective and plausible reproduction. Advanced analysis and transmission methods are expected to enable new types of control of the audio environment. The AES 30th Conference Committee invites submission of technical papers for presentation at the conference in northern Finland. By 24 October 2006, a full paper of 4-10 pages should be electronically submitted to the AES 30th Conference paper-submission site at http://www.aes.org/30th_authors. Further information for authors and paper templates will also be available from this site. Acceptance of papers will be based on a peer review of full papers with final selection by the conference review committee. Following acceptance, appropriate revisions based on the comments of the reviewers will be allowed, but no substantial rewriting. Revised papers must be submitted by January 15, 2007.

PROPOSED TOPICS FOR PAPERS

Analysis of audio environment

- Source/listener localization
- Content analysis
- Auditory modeling and sound quality

Digital audio delivery

- Audio networks and architectures
- Audio coding
- Wireless delivery
- Spatial audio format conversion
- Transducers

Control of audio environment

- Auditory user interfaces
- Adaptive audio environments

Applications

- Telepresence
- Mobile and wearable audio
- Audio installations

Synthesis of audio environment

- Virtual and augmented reality
- Spatial sound rendering techniques

SUBMISSION OF PAPERS

Please submit a full paper of 4 to 10 pages at http://www.aes.org/30th_authors no later than **2006 October 24**.

If you have any questions contact:

PAPERS CHAIR: Email: 30th_papers@aes.org

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SCHEDULE

Full-paper deadline: 2006 October 24

Acceptance emailed: 2006 December 15

Revised paper deadline: 2007 January 15

Registration: 2007 January 15

Go to <http://www.aes.org/events/30>