

AUDIO ENGINEERING SOCIETY

CALL for PAPERS

AES 34TH CONFERENCE, 2008

New Trends in Audio for Mobile and Handheld Devices

Jeju Island, Republic of Korea



Dates: August 28–30, 2008, **Location:** Jeju Island, Republic of Korea
Chair: John J. H. Oh, Pulsus Technologies, Email: 34th_chair@aes.org

This 3-day conference aims to bring audio and system engineers together for the discussion of new trends in audio engineering for mobile and handheld devices. State-of-art handheld devices need high-quality sound and powerful functionality in small packages. Whereas the size of audio components has shrunk along with handheld devices, the importance of audio functionality has grown in the new generation of handheld devices. Recently, audio features and performance have become a major marketing feature of wireless handsets. On the other hand, portable music players have evolved into powerful multimedia devices with video and wireless-network capabilities. This conference will be a timely discussion of the trends and future of the audio technologies for handheld devices. The issues to be discussed include new trends in audio coding, audio signal processing, synthetic audio, wireless delivery of audio, power-efficient audio technology, and implementation of audio subsystems for handheld devices. The 34th Conference Committee invites the submission of technical papers for presentation at the conference in 2008 in Jeju Island in Korea. By 2008 April 18 a full paper of 4–10 pages should be submitted to the conference review committee. Paper templates will be available for downloading at <www.aes.org/34th_authors>. You can visit this site for more information and complete instructions for using the site after 2008 February 22. The 34th Conference Review Committee, based on full-paper submissions, will determine acceptance of papers and inform all authors before 2008 May 16 by email. Following acceptance, appropriate revisions based on the comments of the reviewers will be allowed, but no substantial rewriting. Revised papers must be submitted by 2008 June 20.

PROPOSED TOPICS FOR PAPERS

Coding Technologies for Audio & Speech

Low Bit-Rate Audio and Speech Coding
New Audio Coding Paradigms

3-D Audio

3-D Audio
Virtual Sound-Image Manipulation
Flexible Rendering of Audio Objects

Signal Processing

Sound Source Separation
Audio Quality Enhancement
Speaker and Headset Corrections

Synthetic Audio

Ringtones and Ringtunes
Interactive, Game, and Java Audio

Implementations

Low-Power Multimedia Processors and
Interfaces for Handheld Audio Devices
Power-Efficient Audio Amplifiers and
Transducers
Wireless Transmission of Audio Signals

Testing and Evaluation

Audio Quality Evaluation
Telecom Devices and End-to-End Audio Testing

Miscellaneous Issues

Audio Compatibility with External Devices
Other Audio-Related Issues for Handsets and
Headsets

SUBMISSION OF PAPERS

Please submit complete 4- to 10-page papers at
http://www.aes.org/34th_authors no later than
2008 April 18. If you have any questions, contact:

PAPERS COCHAIRS: Email: 34th_papers@aes.org

Young-cheol Park, Yonsei University, Seoul, Korea
Eunmi Oh, Samsung Advanced Institute of Technology,
Suwon, Korea

SCHEDULE

Proposal deadline: 2008 April 18
Acceptance emailed: 2008 May 16
Final paper deadline: 2008 June 20

Authors whose papers are accepted for
presentation will receive additional instructions for
submission of their final manuscripts.