



2007 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics

Mohonk Mountain House
New Paltz, New York
October 21-24, 2007

<http://www.kecl.ntt.co.jp/icl/signal/waspaa2007/>

General Chair

Shoji Makino
NTT CS Labs, Japan

Technical Program Chairs

Masato Miyoshi
NTT CS Labs, Japan
Tomohiro Nakatani
NTT CS Labs, Japan

Finance Chair

Michael Brandstein
MIT Lincoln Lab, USA

Publications Chairs

Hiroshi Saruwatari
NAIST, Japan
Hiroshi Sawada
NTT CS Labs, Japan

Publicity Chair

Steven Grant
University of Missouri
Rolla, USA

Local Arrangements

Yiteng (Arden) Huang
Bell Labs
Lucent Technologies, USA

Registration Chairs

Kunio Kashino
NTT CS Labs, Japan
Shoko Araki
NTT CS Labs, Japan

CALL FOR PAPERS

The 2007 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA2007) will be held at the Mohonk Mountain House in New Paltz, New York. The workshop is sponsored by the Audio & Electroacoustics committee of the IEEE Signal Processing Society. The objective of this workshop is to provide an informal environment for the discussion of problems in audio and acoustics and the signal processing techniques applied to these problems.

Areas of Interest

Papers describing original research and new concepts are solicited for technical sessions on, but not limited to, the following topics:

Acoustic Scenes

- Scene Analysis:
Source Localization, Source Separation,
Room Acoustics
- Signal Enhancement:
Echo Cancellation, Dereverberation,
Noise Reduction, Restoration
- Multichannel Signal Processing for Audio
Acquisition and Reproduction
- Virtual Acoustics via Loudspeakers or
Headphones

Hearing and Perception

- Auditory Perception, Spatial Hearing,
Quality Assessment
- Hearing Aids

Audio Coding

- Waveform and Parameter Coding
- Spatial Audio Coding
- Internet Audio
- Musical Signal Analysis:
Segmentation, Classification,
Transcription
- Digital Rights
- Mobile Devices

Music

- Signal Analysis and Synthesis Tools
- Creation of Musical Sounds:
Waveforms, Instrument Models, Singing

Important Dates

Submission of four-page paper: May 18, 2007

Notification of acceptance: July 30, 2007

Early registration until: August 31, 2007