



Call for Papers

2005 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics

Mohonk Mountain House
New Paltz, New York
October 16-19, 2005

<http://www.LNT.de/~WASPAA05/>
WASPAA05@LNT.de

The 2005 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA'05) will be held at the Mohonk Mountain House in New Paltz, New York, and 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 leading to novel solutions. Technical sessions will be scheduled in the morning and before and after dinner. Afternoons will be left free for informal meetings among workshop participants.

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 Coding 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

Submission of four-page paper
April 15, 2005

Notification of acceptance
June 27, 2005

Early registration until
September 1, 2005



Workshop Committee

General Chair:
Walter Kellermann
Multimedia Communications
and Signal Processing
University of Erlangen-
Nuremberg, Germany
Cauerstr. 7,
91058 Erlangen, Germany
Tel: +49 (9131) 85-27669
Fax: +49 (9131) 85-28849
wk@LNT.de

Technical Program Chair:
Rudolf Rabenstein
Multimedia Communications
and Signal Processing
University of Erlangen-
Nuremberg, Germany
rabe@LNT.de

Finance Chair:
Michael Brandstein
Information Systems
Technology Group
MIT Lincoln Lab, USA
msb@ll.mit.edu

Publications Chair:
Heinz Teutsch
Multimedia Communications
and Signal Processing
University of Erlangen-
Nuremberg, Germany
teutsch@LNT.de

Publicity Chair:
Schuyler Quackenbush
Audio Research Labs, USA
srq@audioresearchlabs.com

Local Arrangements Chair:
Jingdong Chen
Bell Labs
Lucent Technologies, USA
jingdong@research.bell-labs.com

Registration Chair:
Ursula Arnold
Multimedia Communications
and Signal Processing
University of Erlangen-
Nuremberg, Germany
arnold@LNT.de

Far East Liaison:
Shoji Makino
NTT Communication Science
Laboratories, Japan
maki@cslab.kecl.ntt.co.jp