

# IWAENC International Workshop on Acoustic Echo and Noise Control

## Tel Aviv, Israel, August 30<sup>th</sup> - September 2<sup>nd</sup>, 2010

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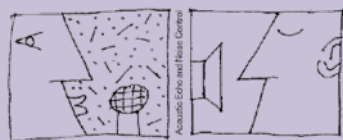
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The 12<sup>th</sup> International Workshop on Acoustic Echo and Noise Control will be held in Sheraton Tel Aviv Hotel and Towers, Tel - Aviv Israel, Monday, Aug 30<sup>th</sup> - Thursday, Sep. 2<sup>nd</sup>, 2010. The workshop will focus on topics of signal processing for speech signals. Applications include telephony, conferencing systems and voice control systems. The three day program consists of poster presentations of recent novel works and latest results, keynote talks and demonstrations.

### Technical Scope

The technical scope of the workshop includes algorithms for signal processing of speech signals, including enhancement, separation, acoustic echo control and noise reduction as well as microphone arrays. These areas have attracted wide academic interest for many years and have, more recently, seen a substantial growth in industrial applications such as hands-free mobile telephony and video-conferencing systems.

**Topics include** (but are not limited to):

- Speech enhancement
- Microphone arrays
- Array signal processing with applications to speech signals
- Acoustic echo cancellation and double talk detection and handling
- Speaker separation and segregation
- Voice activity detection
- Auditory scene analysis
- Adaptive filtering algorithms and structures for speech processing
- Noise reduction
- Speech quality assessment and speech databases
- Dereverberation
- Noise and acoustic environment characteristics
- Software tools for speech processing and acoustic environment simulators
- Active noise control
- Signal processing algorithms for hearing aids
- Packet loss concealment for VoIP applications
- Hardware and real-time implementation of speech processing algorithms
- Transducers and new acoustic front-ends
- Sound capture, processing, and reproduction
- New and Emerging Topics in speech processing
- Multirate filter banks and subband systems with application to speech processing
- Temporal segmentation of speech signals

### Demonstrations

Authors are strongly encouraged to give relevant demonstrations of their work.

### Procedures

We are soliciting original, previously unpublished manuscripts in the topics relevant to the workshop. The technical committee will select the appropriate papers. A copy of the papers will be published on-line (both in the workshop website and in [www.iwaenc.org](http://www.iwaenc.org)) and on a CD-ROM.

**Submission:** prepare a **4 page final draft** of your paper. The submission will be made on-line via the workshop website. If a demonstration of the work is planned, please include a brief description of the demonstration in the paper summary. Please use our LaTeX and MS-Word style files for paper preparation.

### Schedule

Submission of 4-page paper (final draft): May 1<sup>st</sup>, 2010

Notification of acceptance: June 15<sup>th</sup>, 2010

Submission of camera-ready paper: July 1<sup>st</sup>, 2010

### The Eberhard Häsler Best Student Paper Award

The IWAENC Technical Committee will award the Eberhard Häsler Best Student Paper Award for the best student paper. The selection will be based on originality, scientific merit, and quality of writing and presentation. The paper must be presented by the candidate student to be qualified for the award.

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