**IEEE Signal Processing Society**  
**15th DSP Workshop and 7th SPE Workshop**

**August 11-14, 2013**  
Embassy Suites Hotel  
Napa, California  
www.dspe2013.engr.scu.edu

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### Call for Papers

The 2013 IEEE Digital Signal Processing (DSP) Workshop and IEEE Signal Processing Education (SPE) Workshop will be held jointly in Napa, California with access from San Francisco, Oakland, and Sacramento International airports. The venue in one of California’s most famous wine regions also offers access to bicycling, rafting and other outdoor summer activities. In addition, the Sierra Nevada mountains and the Pacific Ocean can be reached in less than two hours and one hour respectively.

The workshops will feature prominent plenary speakers from Silicon Valley and the San Francisco Bay Area, technical sessions for presentation of contributed papers, and tutorials. The goal of the two workshops is to bring together leading engineers, researchers, and educators in signal processing from around the world to discuss 1) novel signal processing theories, methods, applications, and implementation technique, as well as 2) the best methods to educate both specialists and a growing population of those who need to use signal processing techniques in their work.

**Topics for the DSP portion of the workshop include, but are not limited to:**
- Sampling, extrapolation, and interpolation
- System modeling, representations, and identification
- Adaptive systems and filtering
- Statistical signal processing
- Signal analysis
- Detection, estimation, and classification
- Signal enhancement, restoration and reconstruction
- Nonlinear systems and signal processing
- Multi-dimensional signal processing; image and video processing
- Implementation of signal processing systems
- New signal processing applications
- Signal processing in the cloud
- New directions

**Topics for the SPE portion of the workshop include, but are not limited to:**
- Signal processing education in non-traditional venues
- Novel laboratory, computer-based, and distance teaching methods
- Signal processing across the engineering curriculum
- DSP curriculum issues (early/late, simulation/real-time, theory/practice)
- DSP outreach issues
- Industry and signal processing education: Linking academic knowledge with industrial needs
- New technologies in signal processing education
- Education strategies to encourage participation of women in signal processing careers

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**Paper Submission:** Prospective authors are invited to submit double-column papers of no more than six (6) pages including title, authors' names and contact, abstract, introduction, background, proposed method, results, figures, and references. Submission instructions and templates for the required paper format are available at www.dspe2013.engr.scu.edu.

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**Important Deadlines:**
- Submission of Papers: April 3, 2013
- Notification of Acceptance: May 15, 2013
- Authors' Registration Deadline: June 5, 2013
- Submission of Accepted Camera-Ready Papers: June 12, 2013
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The 2013 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA’13) will be held at the Mohonk Mountain House in New Paltz, New York, and is sponsored by the Audio and Acoustic Signal Processing technical 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 signal processing techniques leading to novel solutions. Technical sessions will be scheduled throughout the day. Afternoons will be left free for informal meetings among workshop participants.

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- Microphone and loudspeaker array processing
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State/Province _____________________________ Country _________ Mo./Yr. Degree Received _________

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Office Phone/Office Fax _____________________________ Home Phone/Home Fax

Office E-Mail _____________________________ Home E-Mail _____________________________

8. 2013 IEEE MEMBER RATES

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9. 2013 SPS MEMBER RATES

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An abstract should have not more than 200 words for a regular paper, or 50 words for a Correspondence item. The abstract should indicate the scope of the paper or Correspondence, and summarize the author’s conclusions. This will make the abstract, by itself, a useful tool for information retrieval.

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The objective of WIFS is to provide the most prominent venue for researchers to exchange ideas and identify potential areas of collaboration. WIFS’13 will feature keynotes, tutorials, special sessions, panel sessions, and lecture & poster sessions. Topics of interest include, but are not limited to:

- Anonymity and Data Privacy.
- Applied Cryptography.
- Biometrics.
- Forensics Analysis.
- Hardware Security.
- Information Theoretic Security.
- Multimedia Content Hash.
- Network Security.
- Security of Large Networked Systems
- Steganography and Covert Communications
- Surveillance
- Usability and Human Factors
- Watermarking and Data Hiding

Submission of papers: Prospective authors are invited to submit full-length, six-page papers (formatted according to IEEE guidelines), including figures and references, to the WIFS Technical Program Committee. Papers will be accepted only by electronic submission through the conference web site. Accepted papers may be scheduled in the lectures track or in the poster session. Prospective authors are expected to present their papers at the conference.

Tutorial proposals: Up to four tutorials will be scheduled for the first day of the conference. Prospective tutorial contributors are encouraged to contact the tutorials chair.

Special Session proposals: Two special sessions will be scheduled. Prospective organizers are invited to submit proposals to the special session chair.

Important dates:

<table>
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<td>May 10, 2013</td>
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<tr>
<td>June 1, 2013</td>
<td>Notification of Tutorial &amp; Special Session acceptance</td>
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<tr>
<td>June 30, 2013</td>
<td>Full paper submission</td>
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<tr>
<td>September 1, 2013</td>
<td>Notification of paper acceptance</td>
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<tr>
<td>September 20, 2013</td>
<td>Camera-ready paper submission</td>
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<tr>
<td>October 10, 2013</td>
<td>Early registration deadline</td>
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<tr>
<td>December 3-6, 2013</td>
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For further details, please visit the WIFS’13 conference website: http://www.wifs13.org
The ASRU workshop meets every two years and has a tradition of bringing together researchers from academia and industry in an intimate and collegial setting to discuss problems of common interest in automatic speech recognition and understanding.

**Topics and focus**
Submission of papers in all areas of human language technology is encouraged, with emphasis placed on: ASR / LVCSR Systems, Language Modeling, Acoustic Modeling, Decoder Search, Spoken Language Understanding, Spoken Dialog Systems, Multilingual Speech & Language Processing, Robustness in ASR, Spoken Document Retrieval, Speech-to-Speech Translation, Text-to-Speech Systems, Speech Summarization, New Applications of ASR and Speech Signal Processing. The workshop will especially focus on Multilingual approaches, Efficient use of resources to train systems and Rapid development of ASR systems for new languages.

**Format**
According to the ASRU tradition, the workshop will feature one keynote and one or two invited talks a day. Regular papers will be presented as posters. ASRU 2013 will also include panel discussions and a Demo&Toolkit session.

**Paper Submission**
Prospective authors are invited to submit full-length, 4-6 page papers, including figures and references, to the ASRU 2013 website www.asru2013.org All papers will be handled and reviewed electronically. The website will provide you with further details.

**Schedule**

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<tr>
<td>Paper notification of acceptance</td>
<td>August 20, 2013</td>
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<tr>
<td>Camera ready paper due</td>
<td>September 18, 2013</td>
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<tr>
<td>Demonstration/toolkit proposal due</td>
<td>September 30, 2013</td>
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<tr>
<td>Author and early registration due</td>
<td>October 15, 2013</td>
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<tr>
<td>Workshop</td>
<td>December 8-12, 2013</td>
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**Venue, Information and Registration**
ASRU is organized by Brno University of Technology BUT Speech@FIT group. It will take place in Olomouc – a city with more than 900 years history in Central Moravia, 70km North-East from Brno. The city is easily accessible by train and bus connections from Prague and Vienna international airports. ASRU will be held in nH Olomouc Congress Hotel, awarded by Czech “Building of the year 2010” prize for its innovative functionalist architecture and green friendliness. The hotel is walking distance from the historical center of Olomouc. Registration and further information will be available from workshop’s web-site www.asru2013.org
The Fifth International Workshop on
Computational Advances in Multi-Sensor Adaptive Processing
December 15-18, 2013, Radisson Blu Resort, Marina & Spa, Saint Martin, France

CALL FOR PAPERS
Following the success of the first four editions of the IEEE workshop on Computational Advances in Multi-Channel Sensor Array Processing, we are pleased to announce the fifth workshop in this series, sponsored by the Sensor Array and Multi-channel Signal Processing Technical Committee of the IEEE Signal Processing Society. CAMSAP 2013 will be held at the Radisson Blu Resort, Marina & Spa in Saint Martin, a French-Dutch island in the Caribbean, and will feature a number of plenary talks from the world’s leading researchers in the area, special focus sessions, and contributed papers. All papers will undergo peer review in order to provide feedback to the authors and ensure a high-quality program.

COMMITTEE
General Co-Chairs
Aleksandar Dogandžić, Iowa State University, USA
Martin Haardt, Ilmenau University of Technology, Germany

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Finance Chair
Hongya Ge, New Jersey Institute of Technology, USA

Publicity Chair
Pu Wang, Stevens Institute of Technology, USA

Local Arrangement Chair
Jean-Yves Tourneret, University of Toulouse, France

IMPORTANT DATES
Special session proposals: March 15, 2013
Full Four-Page Paper Submission: July 12, 2013
Notification of Acceptance: September 13, 2013
Final Paper Submission: October 11, 2013

TOPICS OF INTEREST:
• Convex optimization and relaxation
• Computational linear & multi-linear algebra
• Computer-intensive methods in statistical SP (bootstrap, MCMC, EM, particle filtering)
• Distributed computing, estimation, and detection algorithms
• Sparse signal processing
• Emerging techniques

APPLICATIONS:
• Array processing, radar, sonar, waveform design, space-time processing
• Communication systems
• Sensor networks
• Smart grids
• Biomedical signal processing
• Computational imaging
• Emerging topics

For more information visit the website at: http://www.stevens.edu/camsap2013