

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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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.

Updated 20 March 2013

Important Deadlines:

Submission of Papers: **April 12, 2013**
Notification of Acceptance: **June 5, 2013**
Authors' Registration Deadline: **June 19, 2013**
Submission of Accepted Camera-Ready Papers: **June 26, 2013**

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