

SSIAI 2012—CALL FOR PAPERS

IEEE* SOUTHWEST SYMPOSIUM ON
IMAGE ANALYSIS AND INTERPRETATION

April 22-24, 2012 | [La Fonda on the Plaza](#) | [Santa Fe, New Mexico, USA](#)
<http://www.ssiai.org>

Overview

The Southwest Symposium on Image Analysis and Interpretation (SSIAI) is a biennial conference dedicated to all aspects of computational analysis and interpretation of images and video. SSIAI brings together researchers and practitioners in academia, industry, and government to share and discuss the latest advances in this field. SSIAI 2012 will be held at the spectacular La Fonda on the Plaza in Santa Fe, New Mexico, USA. The symposium seeks original contributions reporting novel research directions, results, and applications.

Plenary and Keynote Speakers

- Ed Delp, Purdue University
- Other speakers TBA

Important Dates

- **December 19, 2011:** Papers due
- **February 27, 2012:** Acceptance notification
- **March 12, 2012:** Camera-ready papers due

Organizing Committee

General Chair: Mary Comer, Purdue University

Technical Co-Chair: Chuck Creusere, New Mexico State U.

Technical Co-Chair: Damon Chandler, Oklahoma State U.

Finance Chair: Jeff Rodriguez, U. of Arizona

Local Arrangements Chair: Marios Pattichis, U. of New Mexico

Publicity/Publications Chair: Brian Nutter, Texas Tech University

Paper Submission

Submit a paper (4 pages max. including figures and references) in double-column IEEE conference format. Submission will be electronic using the PDF format. Accepted full papers will be of the same format with a four-page limit. For further details, please visit www.ssiai.org.

Each accepted paper will be published in the conference proceedings, provided at least one author registers in advance at the non-student rate. No person may appear as an author or coauthor on more than three proposed papers.

Topics of Interest (not limited to)

- Mathematical models and methods
- Statistical and learning methods
- Features and invariants
- Segmentation and grouping
- Object detection and tracking
- Activity detection and classification
- Image and video indexing and retrieval
- Biomedical image analysis
- Neuro-signal processing
- Biometrics and bioinformatics
- Biologically inspired computer vision
- Human activity analysis
- Multiscale and multispectral analysis
- Remote sensing
- Compressive sensing and processing
- Stereoscopic and 3-D analysis
- Multisensor analysis and processing
- Color analysis and processing
- Shape representation and recognition
- Scene modeling and interpretation
- Computational photography
- Analysis for augmented/virtual reality
- Human computer interaction
- Automated inspection
- Real-time analysis
- Optimization methods
- Performance evaluation
- Computer vision for robotics



*IEEE sponsorship pending for 2012

