

# SSIAI 2024 – CALL FOR PAPERS

## IEEE SOUTHWEST SYMPOSIUM ON IMAGE ANALYSIS AND INTERPRETATION

[www.ssi.ai.org](http://www.ssi.ai.org) | March 17 – March 19, 2024 | La Fonda on the Plaza | Santa Fe, NM

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 2024 will be held at La Fonda on the Plaza, Santa Fe, NM, U.S.A. The symposium seeks original contributions reporting novel research directions, results, and applications.

### Important Dates

October 30, 2023	Papers due
January 8, 2024	Acceptance notification
February 5, 2024	Camera-ready papers due

### Organizing Committee

General Chairs:	Marios Pattichis, U. of New Mexico Edward Delp, Purdue U.
Technical Chairs:	Fengqing M. Zhu, Purdue U. Kalpana Seshadrinathan, Apple
Treasurer:	Jeffrey J. Rodriguez, U. of Arizona
Local Arrangements:	Jo Dale Carothers, Weintraub Tobin
Publicity Chairs:	Brian Nutter, Texas Tech. U. Rudolf Mester, NTNU Trondheim

### Plenaries

Al Bovik, Ed Delp, and others TBA.

### 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.ssi.ai.org](http://www.ssi.ai.org).

Each accepted paper will be published in the conference proceedings and the IEEE Xplore Digital Library, provided at least one author registers in advance at the non-student rate and gives a presentation at the conference. An author's non-student registration may be applied to up to three papers by that author.

### Topics of Interest (not limited to)

- Machine learning methods for image/video analysis and modeling
- Mathematical models and methods
- Statistical models and methods
  
- Features and invariants
- Detection, analysis and interpretation: Object, activity, shape, scenes
- Segmentation and grouping
- Stereoscopic and 3-D analysis
  
- Image and video indexing and retrieval
- Image and video quality assessment
- Computational photography
- Color analysis and processing
- Computer architectures, real-time analysis, optimization methods and performance evaluation
  
- Biomedical image analysis
- Neuro-signal processing
- Biometrics and bioinformatics
- Biologically inspired computer vision
  
- Multiscale and multispectral analysis
- Remote sensing
- Compressive sensing and processing
- Multisensor analysis and processing
  
- Human computer interaction
- Virtual and augmented reality
- Image and video processing education
  
- Applications: robotics, automated inspection, autonomous vehicles, security, privacy