

# SSIAI 2018 – CALL FOR PAPERS

## IEEE SOUTHWEST SYMPOSIUM ON IMAGE ANALYSIS AND INTERPRETATION

[www.ssi.ai.org](http://www.ssi.ai.org) | April 8-10, 2018 | Harrah's Hotel & Casino | Las Vegas, NV

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 2018 will be held at Harrah's Hotel and Casino, Las Vegas, NV, U.S.A. The symposium seeks original contributions reporting novel research directions, results, and applications.

### Important Dates

**November 20, 2017**

January 29, 2018

March 1, 2018

**Papers due**

Acceptance notification

Camera-ready papers due

### Organizing Committee

General Chair:

Al Bovik, U. of Texas

Peter Tay, Western Carolina U.

Technical Chairs:

Rudolf Mester, U. Frankfurt

Marios Pattichis, U. of New Mexico

Treasurer:

Jeff Rodriguez, U. of Arizona

Local Arrangement:

Jo Dale Carothers, Weintraub Tobin

Publicity Chairs:

Brian Nutter, Texas Tech U.

Rahul Vanam, InterDigital Comm.

Webmaster:

Gangadharan Esakki, U. of N.M.

Venkatesh Jatla, U. of N. M.

### Plenaries

[Al Bovik](#), [Ed Delp](#), and others.

### 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 IXplore 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)

- Mathematical models and methods
- Statistical and learning methods
- Features and invariants
- Segmentation and grouping
- Object detection and tracking
- Activity detection and analysis
- Image and video indexing and retrieval
- Biomedical image analysis
- Neuro-signal processing
- Biometrics and bioinformatics
- Biologically inspired computer vision
- 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
- Human computer interaction
- Automated inspection
- Real-time analysis
- Optimization methods
- Performance evaluation
- Computer vision for robotics
- Image and video quality assessment
- Computer architectures for image/video processing