SSP'12

@ **MICHIGAN**

IEEE Statistical Signal Processing Workshop

August 5 – 8, 2012   Ann Arbor, USA
www.SSP2012.org

IEEE

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The University of Michigan is delighted to host the 2012 IEEE Workshop on Statistical Signal Processing (SSP). The SSP Workshop is a unique meeting that brings members of the IEEE Signal Processing Society together with researchers from allied fields such as bioinformatics, communications, machine learning, and statistics.

The scientific program of SSP 2012 will include invited plenary talks and regular and special sessions with contributed research papers. All accepted papers will be published on IEEE Xplore; all contributed and special sessions are poster sessions. The scope of the workshop includes basic theory, methods and algorithms, and applications in the following synergistic areas:

THEORETICAL TOPICS:
- Adaptive systems and signal processing
- Monte Carlo methods
- Detection and estimation theory
- Learning theory and pattern recognition
- Multivariate statistical analysis
- System identification and calibration
- Time-frequency and time-scale analysis
- Network and graph analysis
- Random matrix theory
- Compressed sensing

APPLICATION AREAS:
- Bioinformatics and genomic signal processing
- Smart grid and industrial applications
- Array processing, radar, and sonar
- Communication systems and networks
- Information forensics and security
- Biomedical signal processing
- Medical imaging
- Predictive health, social network analysis
- Sensor Networks
- New methods, directions and applications

PLENARY SPEAKERS: Yoram Bresler (UIUC), Persi Diaconis (Stanford), Yonina Eldar (Technion), Robert Ghrist (UPenn), Randy Moses (Ohio State), Rob Nowak (Wisconsin)

SUBMISSION OF PAPERS: Prospective authors are invited to submit full-length four-page papers, including figures and references. Papers will be accepted only by electronic submission at SSP2012.org

SPECIAL SESSION PROPOSALS: Special session proposals must include a topical title, rationale, session outline, contact information, and a list of invited papers. Special session authors are referred to the SSP website **SSP2012.org** for additional information regarding submissions.

IMPORTANT DATES:

Deadline for Special Sessions Proposals Submission	December 1, 2011
Special Sessions Selected	January 1, 2012
Deadline for 4-Page Paper Submissions	February 15, 2012
Notification of Paper Acceptance	April 15, 2012
Camera Ready Paper Upload	May 1, 2012
Start of Conference	August 5, 2012

VENUE: Ann Arbor is the home of the University of Michigan. It is located 20 minutes away from the Detroit-Wayne County airport (DTW), three-and-a-half-hours by car from Chicago, Pittsburgh, and Columbus and a short flight from New York, Boston, Philadelphia, and Washington, DC. Family-friendly attractions such as Lake Michigan, Traverse City, Henry Ford Museum and Greenfield Village, the magnificent Sleeping Bear Dunes, Mackinac Island, and beaches are about three-four hours away and Ann Arbor and the neighboring communities are brimming with things to do and places to see.

IEEE Signal Processing Society