

IEEE Statistical Signal Processing Workshop 2014

29 June – 2 July, Gold Coast, Australia



The 2014 IEEE Workshop on Statistical Signal Processing (SSP'14) will be held at Jupiters, Gold Coast, Australia from June 29th to July 2nd 2014. The SSP Workshop is a unique meeting attended by members of the IEEE Signal Processing Society together with researchers from allied fields such as statistics, machine learning, communications and bioinformatics. It has the salient feature of having all the contributed and special sessions as poster sessions allowing extensive interaction and networking.

General co-chairs

Rob Evans
University of Melbourne

Abd-Krim Seghouane
University of Melbourne

Technical co-chairs

Ba-Ngu Vo
Curtin University

Rod Kennedy
Australian National University

Local Arrangements

Vaughan Clarkson
University of Queensland

Tutorials

Kutluyil Doganacy
University of South Australia

Special sessions

Jean-Yves Tournet
University of Toulouse

Government liaison

Neil Gordon
DSTO

Industry Liaison

Sven Nordholm
Curtin University

Publications

Doug Gray
University of Adelaide

Publicity

Branko Ristic
DSTO

Student activity

Igmar Land
University of South Australia

International Liaison

Steve McLaughlin
University of Edinburgh

The scientific program of SSP 2014 will include invited plenary talks, regular and special sessions with contributed research papers. All submitted papers are reviewed by experts and only a proportion is accepted to maintain a high quality workshop. All accepted papers are published on IEEE Xplore. The scope of the workshop includes basic theory, methods and algorithms, and applications in the following areas:

Theoretical Topics:

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

Application Areas:

- Bioinformatics and genomics
- Array processing, radar and sonar
- Communication systems and networks
- Sensor networks
- Information forensics and security
- Medical imaging
- Biomedical signal processing
- Preventive, social network analysis
- Smart grid and industrial applications
- Geoscience
- Astrophysics

Submission of papers: Prospective authors are invited to submit full-length four-page papers, including figures and references. Papers are submitted electronically at SSP2014.org

Special session proposals: Special session proposals are submitted through the SSP2014.org. They must include a topical title, rational, session outline, contact information and the list of invited papers. Special session authors are referred to the workshop website for additional information regarding submissions.

Plenary speakers: Louis Scharf (Colorado State), Arnaud Doucet (Oxford), Michael Unser (EPFL), Victor Solo (UNSW), Brian Anderson (ANU), Steven Tingay (Curtin)

Important Dates:

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| • Deadline for special session proposals submission | December 1 st , 2013 |
| • Special sessions selected | January 2 nd , 2014 |
| • Deadline for 4-page paper submissions | February 2 nd , 2014 |
| • Notification of paper acceptance | March 30 th , 2014 |
| • Camera ready upload | April 10 th , 2014 |
| • Start of conference | June 29 th , 2014 |

Venue: The Gold Coast is a coastal city located in the South East of Queensland, Australia. The city is 94 km (58 mi) south of the state capital Brisbane. With more than 300 days of sunshine each year you have the opportunity to explore more than 70 km of unspoiled coastline and beaches as well as 100,000 hectares of world heritage rainforest. The Gold Coast is one of the leading tourist destinations, boasting 30 different beaches each with their own personality, from world-famous surf breaks and cosy coastal settings in the south to family fun swimming spots and surf-life saving action in the north. At your fingertips is every on-water activity imaginable! With its sunny subtropical climate, surfing beaches, canal and waterway systems, its high-rise dominated skyline, theme parks, nightlife and rainforest hinterland, Gold Coast will turn your stay into lifetime memories.