

CoSeRa

2015

3rd International Workshop on Compressed Sensing Theory and its Applications to Radar, Sonar and Remote Sensing (CoSeRa 2015)

June 16-19, 2015, Pisa, Italy _ www.cosera2015.iet.unipi.it

Following the success of the previous two editions of the workshop on compressive sensing applied to radar, we are pleased to announce the third one in this series. The 3rd Int. Workshop on Compressed Sensing Theory and its Applications to Radar, Sonar and Remote Sensing (CoSeRa 2015) will be held in Pisa (Italy) on 16-19 June 2015. The aim of CoSeRa is to bring experts of Compressive Sensing (CS) and radar/sonar/EO/IR signal processing and remote sensing together to explore the state-of-the-art in development of CS techniques for different areas of applications and to turn out its advantages or possible drawbacks compared to classical solutions.

Topics include but are not limited to:

- + Compressive sensing theory
- + Mathematical aspects of Compressive sensing in imaging systems
- + Sparsity of radar/sonar/EO/IR signals
- + Applications of sparse sensing in radar/sonar/EO/IR
- + Compressive sensing for SAR Tomography (TomoSAR)
- + Compressive sensing for SAR Interferometry (InSAR)
- + Compressive sensing for Inverse SAR (ISAR)
- + Target detection based on compressive sensing
- + Compressive sensing for slow GMTI
- + Co-prime sampling in radar/sonar/EO/IR systems
- + Co-prime array processing in radar/sonar/EO/IR systems
- + Nested sampling in radar/sonar/EO/IR systems
- + Nested array processing in radar/sonar/EO/IR systems
- + Sparse sensing in synthetic aperture imaging systems

Submission of Papers

Prospective authors are invited to submit full-length papers of up to five pages (including figures and references).

Location and Venue

Pisa, Polo Piaggio

Keynote Speakers

Moeness Amin, Villanova University, USA
Holger Rauhut, RWTH Aachen University, Germany
Müjdat Cetin, MIT, USA and Sabanci University, Turkey

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Important deadlines

Full five-page paper submission: **2 February 2015**

Notification of acceptance: **16 March 2015**

Final camera-ready papers and author registration: **16 April 2015**

All accepted and presented papers will be referenced by IEEEExplore

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