

## Program for 2014 IEEE 8th Sensor Array and Multichannel Signal Processing Workshop (SAM)

**Tutorial 1: Tradeoffs in MIMO Radar -- S. Vorobyov (Aalto University, Finland) and M. Lops (University of Cassino, Italy) -- Room Finisterre**

Free with registration

**Tutorial 2: Cartography for Cognitive Networks -- G. Giannakis (University of Minnesota, USA) -- Room Finisterre**

Free with registration

**Student Poster Competition -- Room Finisterre**

### **Localization Based on Signal Structure**

[Elad Tzoreff](#), [Ben Zion Bobrovsky](#) and [Anthony J. Weiss](#) (Tel Aviv University, Israel)  
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### **Continuous Sparse Recovery for Direction of Arrival Estimation with Co-prime Arrays**

[Zhao Tan](#) (Washington University in St. Louis, USA); [Yonina C. Eldar](#) (Technion-Israel Institute of Technology, Israel); [Arye Nehorai](#) (Washington University in St. Louis, USA)  
pp. 393-396

### **Efficient Linear Precoding for Massive MIMO Systems using Truncated Polynomial Expansion**

[Axel Müller](#) (Huawei Technologies, France); [Abla Kammoun](#) (Supelec, France); [Emil Björnson](#) (Linköping University, Sweden); [Mérrouane Debbah](#) (Supelec, France)  
pp. 273-276

### **Tensor-based Power Spectra Separation and Emitter Localization for Cognitive Radio**

[Xiao Fu](#) (The Chinese University of Hong Kong, Hong Kong); [Nikolaos D Sidiropoulos](#) (University of Minnesota, USA); [Wing-Kin Ma](#) (The Chinese University of Hong Kong, Hong Kong)  
pp. 421-424

### **Near-Field Source Localization: Sparse Recovery Techniques and Grid Matching**

[Keke Hu](#) (Delft University of Technology, P.R. China); [Sundeep Prabhakar Chepuri](#) and [Geert Leus](#) (Delft University of Technology, The Netherlands)  
pp. 369-372

### **State Estimation with Sampling Offsets in Wide Area Measurement Systems**

[Hoi-To Wai](#) (University of California, Davis, USA); [Anna Scaglione](#) (Arizona State University, USA)  
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### **A Sparse Regularization Technique for Source Localization with Non-uniform Sensor Gain**

[Christian Weiss](#) and [Abdelhak M Zoubir](#) (Darmstadt University of Technology, Germany)  
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### **A Sparse Bayesian Learning Algorithm With Dictionary Parameter Estimation**

[Thomas L Hansen](#), [Mihai Alin Badiu](#) and [Bernard Henri Fleury](#) (Aalborg University, Denmark); [Bhaskar Rao](#) (University of California, San Diego, USA)  
pp. 385-388

### **Direction Finding and Array Calibration Based on Sparse Reconstruction in Partly Calibrated Arrays**

[Christian Steffens](#) (TU Darmstadt, Germany); [Marius Pesavento](#) (Technische Universität Darmstadt, Germany); [Pouyan Parvazi](#) (TU Darmstadt, Germany)  
pp. 21-24

### **Joint Beamforming and Transmit Design for the Non-Regenerative MIMO Broadcast Relay Channel**

[Jens Steinwandt](#) (Ilmenau University of Technology, Germany); [Sergiy A. Vorobyov](#) (Aalto University & University of Alberta on leave, Finland); [Martin Haardt](#) (Ilmenau University of Technology, Germany)  
pp. 169-172

### **Application of Krylov based methods in Calibration for Radio Astronomy**

[Ahmad Mouri Sardarabadi](#) (Delft University of Technology, The Netherlands); [Alle-Jan van der Veen](#) (TUDelft, The Netherlands)  
pp. 153-156

**A Coruña Tour -- Departure from Hotel Finisterre (SAM venue)**

Free with registration

The tour will depart from Hotel Finisterre (venue of SAM 2014) and will arrive at the welcome reception site (Aquarium Finisterrae)