



## Session : **Statistical Signal Processing (Poster I)**

**Time: 08:30 – 10:30**



### **LINE SPECTRAL PROPERTIES OF QUADRATIC MODELS ([Abstract](#))**

Tom Bäckström (Helsinki University of Technology, Finland)



### **ENHANCED LINE SEARCH : A NOVEL METHOD TO ACCELERATE PARAFAC ([Abstract](#))**

Myriam Rajih (I3S – UNSA/CNRS, France)  
Pierre Comon (I3S – CNRS, France)



### **HOS-BASED MULTI-COMPONENT FREQUENCY ESTIMATION ([Abstract](#))**

Maciej Pedzisz (ENSIETA, France)  
Ali Mansour (ENSIETA, France)

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### **CANONICAL CORRELATION ANALYSIS (CCA) ALGORITHMS FOR MULTIPLE DATA SETS: APPLICATION TO BLIND SIMO EQUALIZATION ([Abstract](#))**

Javier Vía (University of Cantabria, Spain)

Ignacio Santamaria (University of Cantabria, Spain)

Jesús Pérez (University of Cantabria, Spain)



### **SNR IN WSS JITTERED SAMPLED SIGNAL ([Abstract](#))**

Ehsan Arbabi (Sharif University of Technology, Iran)

Mohammad Bagher (Sharif University of Technology, Iran)

Shamsollahi

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**BAYESIAN MAXIMUM A POSTERIOR DOA ESTIMATOR BASED ON GIBBS SAMPLING ([Abstract](#))**

Jianguo Huang

(Northwestern Polytechnical University, China)

Xiong Li

(Northwestern Polytechnical University, China)

Qunfei Zhang

(Northwestern Polytechnical University, China)

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### **BLIND SEPARATION OF BINAURAL SOUND MIXTURES USING SIMO-ICA WITH SELF-GENERATOR FOR INITIAL FILTER ([Abstract](#))**

Tomoya Takatani (Nara Institute of Science and Technology, Japan)  
Satoshi Ukai (Nara Institute of Science and Technology, Japan)  
Tsuyoki Nishikawa (Nara Institute of Science and Technology, Japan)  
Hiroshi Saruwatari (Nara Institute of Science and Technology, Japan)  
Kiyohiro Shikano (Nara Institute of Science and Technology, Japan)



### **IMPROVED BEARING ESTIMATION IN OCEAN BY NONLINEAR WAVELET DENOISING UNDER NON-GAUSSIAN NOISE CONDITIONS ([Abstract](#))**

N. C. Pramod (Indian Institute of Science, India)  
G. V. Anand (Indian Institute of Science, India)

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### **MULTIPATH CHANNEL ESTIMATION VIA THE MPM ALGORITHM ([Abstract](#))**

Olivier Rabaste (ENST Bretagne, France)  
Thierry Chonavel (ENST Bretagne, France)



### **BLIND SOURCE SEPARATION OF NOISY MIXTURES USING A SEMI-PARAMETRIC APPROACH WITH APPLICATION TO HEAVY-TAILED SIGNALS ([Abstract](#))**

Mohamed Sahmoudi (Telecom Paris, France)  
Karim Abed-Meraim (Telecom Paris, France)  
Marc Lavielle (Université Paris-Sud, France)  
Estelle Kuhn (Université Paris-Sud, France)  
Phillip Ciblat (Telecom Paris, France)



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**ADAPTIVE COMMON ROOT ESTIMATION AND THE COMMON ZEROS PROBLEM IN BLIND CHANNEL IDENTIFICATION ([Abstract](#))**

Nikolay Gaubitch

(Imperial College London, United Kingdom)

Jacob Benesty

(Université du Québec, INRS-EMT, Canada)

Patrick A. Naylor

(Imperial College London, United Kingdom)

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### **TWO-STAGE BLIND SOURCE SEPARATION COMBINING SIMO-MODEL-BASED ICA AND ADAPTIVE BEAMFORMING ([Abstract](#))**

Hiroshi Saruwatari	(Nara Institute of Science and Technology, Japan)
Satoshi Ukai	(Nara Institute of Science and Technology, Japan)
Tomoya Takatani	(Nara Institute of Science and Technology, Japan)
Tsuyoki Nishikawa	(Nara Institute of Science and Technology, Japan)
Kiyohiro Shikano	(Nara Institute of Science and Technology, Japan)

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### **A NEW METHOD FOR ESTIMATING SCORE FUNCTION DIFFERENCE (SFD) AND ITS APPLICATION TO BLIND SOURCE SEPARATION ([Abstract](#))**

Bahman Bahmani (Sharif University of Technology, Iran)

Massoud Babaie-Zadeh (Sharif University of Technology, Iran)

Christian Jutten (INPG, France)



### **INDEPENDENT COMPONENT ANALYSIS WITH OPTIMIZED PAIRWISE PROCESSING ([Abstract](#))**

Vicente Zarzoso (The University of Liverpool, United Kingdom)

Juan J. Murillo-Fuentes (Universidad de Sevilla, Spain)

Rafael Boloix-Tortosa (Universidad de Sevilla, Spain)

Asoke K. Nandi (The University of Liverpool, United Kingdom)

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### **THREE-DIMENSIONAL AUTOREGRESSIVE PARAMETER ESTIMATION FROM NOISY DATA**

#### **(Abstract)**

Youssef Stitou

(LAPS – Univesité Bordeaux1, France)

Marc Donias

(LAPS – ENSEIRB, France)

Brahim Aksasse

(Departement informatique – FTS – Errachidia, Morocco)



### **A SUBSPACE METHOD FOR THE BLIND EXTRACTION OF A CYCLOSTATIONARY SOURCE**

#### **(Abstract)**

Roger Boustany

(University of Technology of Compiègne, France)

Jérôme Antoni

(University of Technology of Compiègne, France)

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