

**Marked Poisson Point Process PHD filter for DOA tracking**

Augustin Saucan (Telecom Bretagne, France); Thierry Chonavel (Institut Télécom; Télécom Bretagne & Université Européenne de Bretagne, France); Christophe Sintès (Télécom Bretagne, France); Jean Marc Le Caillec (LabSTICC - Télécom Bretagne, France)

**Decentralized Cooperative DOA Tracking using non-Hermitian generalized eigendecomposition**

Wassim Suleiman (TU Darmstadt & LOEWE Schwerpunkt Cocoon, Germany); Marius Pesavento (Technische Universität Darmstadt, Germany); Abdelhak M Zoubir (Darmstadt University of Technology, Germany)

**Partially Adaptive Transmit Beamforming for Search Free 2D DOA Estimation in MIMO Radar**

Matthew Morency and Sergiy A. Vorobyov (Aalto University, Finland)

**SIPA-L2: Bio imaging and Signal Processing**

Room: Euterpe

Chair: Lotfi Senahdji (Université de Rennes 1 & Inserm, France)

**Automatic Cattle Location Tracking Using Image Processing**

Trung-Kien Dao (MICA Institute (HUST - CNRS/UMI 2954 - INP Grenoble), Vietnam); Thi-Lan Le (MICA, HUST, Vietnam); David A Harle, Paul Murray, Christos Tachtatzis, Stephen Marshall, Craig Michie and Ivan Andonovic (University of Strathclyde, United Kingdom)

**Skeletonization of 3D Plant Point Cloud Using a Voxel Based Thinning Algorithm**

B. Ramamurthy and J. Doonan (Aberystwyth University, United Kingdom); Ji Zhou (The Genome Analysis Centre & John Innes Centre, United Kingdom); Yonghuai Liu (Aberystwyth University, United Kingdom)

**Chromatographic signal processing for PAH in methanol solution**

Francois Bertholon (CEA, France)

**CARMA: A Robust Motion Artifact Reduction Algorithm for Heart Rate Monitoring from PPG Signals**

Alessandro Bacà, Giorgio Biagetti, Marta Camilletti, Paolo Crippa, Laura Falaschetti, Simone Orcioni, Luca Rossini and Dario Tonelli (Università Politecnica delle Marche, Italy); Claudio Turchetti (Università Politecnica delle Marche, Italy)

**Feature selection based on weighted distance minimization, application to biodegradation evaluation**

Abbas Rammal (University of Reims Champagne Ardenne, France); Hassan Fenniri (Université of Reims Champagne-Ardenne, France); Alban Goupil (Université de Reims Champagne-Ardenne, France); Brigitte Chabbert and Isabelle Bertrand (INRA-URCA, France); Valeriu Vrabie (Université de Reims Champagne-Ardenne, France)

**SPTM-P4: Non-stationary signals and time-varying systems**

Rooms: Poster area A, Poster Area B

Chair: Abdelhak M Zoubir (Darmstadt University of Technology, Germany)

**On signals denoising by emd in the frequency domain**

Abdel-Ouahab Boudraa (Ecole Navale, France); Ali Komaty (ENSTA Bretagne, France); Déphine Daré (IRENav, France); Hadj ahmed Bay Ahmed (Ecole Navale, France)

**An efficient k-SCA based underdetermined channel identification algorithm for online applications**

Ehsan Eqlimi and Bahador Makki Abadi (Tehran University of Medical Sciences, Iran)

**A New Method for Heart Rate Monitoring During Physical Exercise Using Photoplethysmographic Signals**

Tim Schäck, Christian Sledz, Michael Muma and Abdelhak M Zoubir (Technische Universität Darmstadt, Germany)