SIGNAL 2016

The First International Conference on Advances in Signal, Image and Video Processing

June 26 - 30, 2016
Lisbon, Portugal

SIGNAL 2016 Editors
Wilfried Uhring, ICube, University of Strasbourg and CNRS, France
Rafael Caldeirinha, Instituto de Telecomunicações | Polytechnic Institute of Leiria, Portugal
Constantin Paleologu, University Politehnica of Bucharest, Romania
Table of Contents

Super-resolving a Single Blurry Image Through Blind Deblurring Using ADMM  
Xiangrong Zeng, Yan Liu, Jun Fan, Qizi Huangpeng, Jing Feng, Jinlun Zhou, and Maojun Zhang

Tongue Recognition From Images  
Ryszard S. Choras

Impact of Redundancy and Gaussian Filtering on Contourlet-Based Texture Retrieval  
Nadia Baaziz and Momar Diop

FPGA-aware Transformations of LLVM-IR  
Franz Richter-Gottfried, Sebastian Hain, and Dietmar Fey

Automatic Elimination of High Amplitude Artifacts in EEG Signals  
Ana Rita Teixeira, Ana Maria Tome, and Isabel Maria Santos

Analysis of Emotions in Vowels: a Recurrence Approach  
Angela Lombardi and Pietro Guccione

Efficient Clustering and on-board ROI-based Compression for Hyperspectral Radar  
Rossella Giordano, Angela Lombardi, and Pietro Guccione

Uncompressed Full HD Video Transmission using Uncoded OFDM over Multipath Fading Channels at 60 GHz  
Rodolfo Gomes, Rafael Caldeirinha, and Akram Hammoudeh

A Method to Separate Musical Percussive Sounds Using Chroma Spectral Flatness  
Francisco Jesus Canadas-Quesada, Pedro Vera-Candeas, Nicolas Ruiz-Reyes, Antonio Munoz-Montoro, and Francisco Javier Bris-Penalver

Time to Digital Converter Transfer Function Improvement Using Poisson Process Events  
Thimothe Turko, Anastasia Skilitsi, Wilfried Uhring, Jean-Pierre Le Normand, Norbert Dumas, Foudil Dadouche, and Jeremie Leonard

On the Singular Steady-state Output in Discrete-time Linear Systems  
Manuel Ortigueira

An Improved Empirical Mode Decomposition for Long Signals  
Jose Luis Sanchez, Manuel Ortigueira, Raul Rato, and Juan Trujillo