# 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  
1  

Tongue Recognition From Images  
Ryszard S. Choras  
6  

Impact of Redundancy and Gaussian Filtering on Contourlet-Based Texture Retrieval  
Nadia Baaziz and Momar Diop  
11  

FPGA-aware Transformations of LLVM-IR  
Franz Richter-Gottfried, Sebastian Hain, and Dietmar Fey  
15  

Automatic Elimination of High Amplitude Artifacts in EEG Signals  
Ana Rita Teixeira, Ana Maria Tome, and Isabel Maria Santos  
21  

Analysis of Emotions in Vowels: a Recurrence Approach  
Angela Lombardi and Pietro Guccione  
27  

Efficient Clustering and on-board ROI-based Compression for Hyperspectral Radar  
Rossella Giordano, Angela Lombardi, and Pietro Guccione  
33  

Uncompressed Full HD Video Transmission using Uncoded OFDM over Multipath Fading Channels at 60 GHz  
Rodolfo Gomes, Rafael Caldeirinha, and Akram Hammoudeh  
39  

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  
44  

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  
50  

On the Singular Steady-state Output in Discrete-time Linear Systems  
Manuel Ortigueira  
54  

An Improved Empirical Mode Decomposition for Long Signals  
Jose Luis Sanchez, Manuel Ortigueira, Raul Rato, and Juan Trujillo  
58