



Volume 89

Issue 7

July 2009

ISSN 0165-1684

SIGNAL PROCESSING

An International Journal

A publication of the European Association for Signal Processing (EURASIP)



Contents

Abstracted/Indexed in: Arts & Humanities Search[®]; ASFA (Aquatic Sciences and Fisheries Abstracts); Computer and Information Systems; CSA Aerospace, & High Technology Database; CSA Life Sciences Abstracts; CSA Technology Research Database; Current Contents Search[®]; DIALOG Newsroom; Education Abstracts; Ei Compendex[®]; Electronics and Communications Abstracts; Energy Science and Technology; Environmental Engineering Abstracts; GeoRef; Inside Conferences; Inspec; MathSci[®]; MetalBase; PASCAL; SciSearch[®]; Solid State and Superconductivity Abstracts; Thomson Scientific Science Citation Index; UnCover[®]; Wilson Applied Science & Technology Abstracts. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]

Research Papers

- I.M.S. Panahi
On the existence of a class of invertible FIR filters for spectral shaping 1265
- I.M.S. Panahi and K. Venkat
A new class of invertible FIR filters for spectral shaping 1271
- I.M.S. Panahi and K. Venkat
Blind identification of multi-channel systems with single input and unknown orders 1288
- M.K.S. Kunyosi and L.H.A. Monteiro
Recognition of noisy images by PLL networks 1311
- M. Sahmoudi and M.G. Amin
Robust tracking of weak GPS signals in multipath and jamming environments 1320
- Q. Zhang and B.-I. Guo
Multifocus image fusion using the nonsubsampling contourlet transform 1334
- M.-H. Yeon and J.J. Shynk
A stochastic analysis of an iterative semi-blind beamformer for TDMA systems 1347
- G. Mileounis, P. Koukoulas and N. Kalouptsidis
Input-output identification of nonlinear channels using PSK, QAM and OFDM inputs 1359
- A. Rahmati and P. Azmi
Coded cooperation diversity for uncoded oversampled OFDM systems 1370
- V. Britanak and H.J.L. Arriens
Fast computational structures for an efficient implementation of the complete TDAC analysis/synthesis MDCT/MDST filter banks 1379
- X. Guanlei, W. Xiaotong and X. Xiaogang
Generalized Hilbert transform and its properties in 2D LCT domain 1396
- Z. Liu, J. Wang and F. Wang
Conjugate unitary ESPRIT for real sources adapted to the coherent case 1403
- P. Gil-Jiménez, H. Gómez-Moreno, J. Acevedo-Rodríguez and S.M. Bascón
Continuous variance estimation in video surveillance sequences with high illumination changes 1412
- J. Liu, N. Zheng and L. Xiong
Silhouette quality quantification for gait sequence analysis and recognition 1417

Contents continued inside



**Volume 89, Issue 7, July 2009***(Contents continued from outside back cover)*

R. Punalard, J. Koseeyaporn and P. Wardkein Indirect frequency estimation based on second-order adaptive FIR notch filter	1428
M. Lázaro and J. González-Olasola Blind equalization using the IRWLS formulation of the support vector machine	1436
Z. Liu, Z. Huang, F. Wang and Y. Zhou DOA estimation with uniform linear arrays in the presence of mutual coupling via blind calibration	1446
S. Sun Linear minimum variance estimators for systems with bounded random measurement delays and packet dropouts	1457
Fast Communications	
M.S.E. Abadi Proportionate normalized subband adaptive filter algorithms for sparse system identification	1467
A. Rezapour Kourandeh and M.R. Asharif Adaptive step-size NCLMS algorithm for double-talk echo canceling	1475
Call for papers	1482