

Transactions on Mass-Data Analysis of Images and Signals

with Applications in Medicine, Biotechnology,
Chemistry and Food Industry

VOLUME 1 – NUMBER 1 – SEPTEMBER 2009

Editorial <i>P. Perner</i>	1
Intelligent System for Medical X-Rays Compression <i>A. Khashman and K. Dimililer</i>	3
Discrete Event Saliency of Multiple Biological Sequences <i>C. Ciufudean, O. Ciufudean, C. Filote, and A. Larionescu</i>	15
Chest X-Ray Based Tumor Growth Assessment for Lung Tumor Diagnosis <i>X. Jiang, J. Hsu, K. Rothaus, M. Menning and Y.-F. Chen</i>	27
Lossless and Near-lossless Video Compression System Utilizing a NoC Architecture <i>G. Ulacha and P. Dziurzynski</i>	38
Discovering Similar Frequent Fragments in Drug Design: A Clustering-Based Approach <i>B. Yilmaz and M. Göktürk</i>	48
High Resolution Invasive Analysis of Spraying Processes at Hollow Cone Nozzles Using Fiber Sensors <i>M. Gaspar, F. Weichert and E. Musemic</i>	62
Analysis of Massive Data in Biology using Hyperplane-based Genetic Algorithms <i>C. To and T. D. Pham</i>	76
Motion Analysis for Artery Lumen Diameter and Intima-media Thickness of Carotid Artery on Dynamic B-mode Sonography <i>D.-C. Cheng, A. Schmidt-Trucksäss, Q. Pu and S.-H. Liu</i>	89
Regional Epicardial Fat Measurement: Computational Methods for Cardiac CT Imaging <i>G. Coppini, R. Favilla, E. Lami, P. Marraccini, D. Moroni and O. Salvetti</i>	101



ISBN: 978-3-940501-06-6
ISSN: 1868-6451 (JOURNAL)
ISSN: 1864-9734 (IBAI -PUBLISHING)