

Table of Contents

Computer Science Methods for Epidemiology

Availability of Epidemics Ripple Effects <i>Călin Ciufudean and Otilia Ciufudean</i>	1
---	---

Behaviorial Analysis

Measuring the Differences between Spatial Intelligence in Different Individuals using Lyapunov Exponents <i>Dante Augusto Couto Barone, Guilherme Maron, and Elias de Almeida Ramos</i>	10
---	----

Motion Recognition

Dynamic Trajectory Indexing Method for Real Time Multiple Object Motion Recognition <i>Jianyu Yang, Y.F. Li, and Keyi Wang</i>	25
--	----

Image Reconstruction

Image Reconstruction and Identification of Noise and Instrumental Artifacts using Radon Transform - A challenge for Medical Imaging Techniques <i>Mario D'Acunto, Antonio Benassi, Davide Moroni and Ovidio Salvetti</i>	38
--	----

Speech Analysis

Speech Signals via Information Theory and Chebyshev Polynomials <i>R.J. Yanez, G. Carballo, and J.S. Dehesa</i>	48
--	----

Texture Analysis

A New Method for Multifractal Spectrum Estimation with Applications to Texture Description <i>Jacques Levy Vehel and Michel Tesmer</i>	63
--	----

Registration and Analysis of Images

Registration and Analysis of Array Images of General Layout <i>Vitaly Galinsky</i>	81
---	----

Author Index	97
---------------------------	----

