

International Journal of Modeling and Optimization

CONTENTS

Volume 2, Number 3, June 2012

- Effect of Inlet Stoichiometry in to Anode and Cathode Channels on Performance of Polymer Electrolyte Membrane Fuel Cell by Using Three-Dimesional Mathematical Modeling174
Mona. Roshdi benam, Ahmad. Jamekhorshid , Mahyar.Saleh, Mohamad. Samipourgiry, and Amir Sahand. Gooyavar
- Practical Expressions of Elastoplastic Contact between Rough Surfaces.....179
Hongliang Tian, Chunhua Zhao, Dalin Zhu, and Hongling Qin
- Dynamic Quantum-Inspired Particle Swarm Optimization as Feature and Parameter Optimizer for Evolving Spiking Neural Networks187
Haza Nuzly Abdull Hamed, Nikola Kasabov, and Siti Mariyam Shamsuddin
- Goal Oriented Requirement Analysis for Web Applications192
Shailey Chawla and Sangeeta Srivastava
- A Simulink to UML Transformation Tool for Embedded Control Software Design197
Tatsuya Kamiyama, Takahiro Soeda, Myungryun Yoo, and Takanori Yokoyama
- Privacy Assurance and Fraud Detection in Healthcare Engineering.....202
Chandrasekaran Subramaniam, Niveditha Narendhran, and Mohammed Nazim Feroz
- The Study of Vibrations of an Elastic System Using the LabView Graphic Programming Medium.....208
Florica Novăcescu, Daniel Velcea, and Horia Ciocârlie.
- A New Algorithm by Index Parameters at Grid Environment with Static Scheduling.....213
Arash Ghorbannia Delavar and Mohsen Khajeh naeini
- Anonymous Communication in Peer-to-Peer Networks for Providing More Privacy and Security.....217
Ehsan Saboori and Shahriar Mohammadi
- Investigations of Biosorption Capacity Histories with Temperature and Other Parameters in a Given Fuzzy Universe of Discourse.....222
Zahid H Khokhar, Mamdouh A Al-Harhi, and Abdulazeez Abdurraheem
- Visual Object Tracking Using Fuzzy-based Thresholding and Kalman Filter.....227
Hamidreza Rashidy Kanan and Parasto Karimi.
- US Image Segmentation Based on Expectation Maximization and Gabor Filter.....230
Anita Khanna, Meenakshi Sood, and Swapna Devi
- Star Identification Using Delaunay Triangulation and Distributed Neural Networks.....234
Saeideh Sadat Miri and Mohammad Ebrahim Shiri

An Innovative Clustering Algorithm for MANETs Based on Cluster Stability.....	239
<i>Mohammad Shayesteh and Nima Karimi</i>	
Green Design Framework for New Product Development.....	245
<i>M. Muni Prabakaran</i>	
Reality Mining via Process Mining.....	250
<i>O. M. Hassan, M. S. Farag, and M. M. Mohie El-Din</i>	
Constructing Workflow Clusters Based on Appropriateness Conformance Checker.....	255
<i>O. M. Hassan and M. S. Farag</i>	
Understanding of Rewrite Penalty for Flash Memory SSD based High Performance Computing Real Time Systems.....	260
<i>Sanam Shahla Rizvi and Tae-Sun Chung</i>	
A Real Measurement Power Tool for Intellectual Property on FPGA.....	263
<i>N. Chalbi, M. Boubaker, and M. H. Bedoui</i>	
A New Low Voltage Low Power Fully Differential Current Buffer and Its Application as a Voltage Amplifier.....	269
<i>L. Safari and S. J. Azhari</i>	
Modeling & Simulation for Intelligent Transportation Systems.....	274
<i>Ana Lu ía Ramos, Jos é Vasconcelos Ferreira, and Jaume Barcel ó</i>	
Implementtion of a Multi-Layer Perceptron Neural Networks in Multi-Width Fixed Point Coding.....	280
<i>A.G. Blaiech, K. Ben Khalifa, M. Boubaker, and M.H. Bedoui</i>	
Developing Business Process Architecture Using Business Process Modeling: The ATM system in HSBC Egypt.....	284
<i>Rasha Abd El Aziz and Rasha Fady</i>	
Improved Method for Characterization of Ultracapacitor by Constant Current Charging.....	290
<i>Varsha A. Shah, Prasanta Kundu, and Ranjan Maheshwari</i>	
Performance Improvement of VOD System by Policy Based Traffic Handle.....	295
<i>Soumen kanrar</i>	
A New Approach to Object Oriented Software Simulation Based on UML Statechart and Colored Petri Net.....	299
<i>E. Mirzaeian , M.Babazadeh, S. Ghaderi Mojaveri, and H. Motameni</i>	
NSDL: an Integration Framework for the Network Modeling and Simulation.....	304
<i>Eduardo M.D. Marques and Paulo N.M. Sampaio</i>	
Modeling and Simulation of Currency Exchange Rates Using Multifractional Process with Random Exponent.....	309
<i>Sergio Bianchi, Alexandre Pantanella, and Augusto Pianese</i>	
Performance Enhancement of DCCP TCP-like over Long Delay Link Networks.....	315
<i>Shahrudin Awang Nor, Suhaidi Hassan, Osman Ghazali, Mohammed M. Kadhum, and Mohd. Hasbullah Omar</i>	
Design and Simulation of Band-Notched Ultra Wideband Ring Monopole Antenna.....	320

Saswati Ghosh

Squirrel Cage of Induction Motors Simulation via Simulink.....	324
<i>H. Arabaci and O. Bilgin</i>	
Modeling, Simulation and Analysis of Matrix Converter Using Matlab and Simulink.....	328
<i>Hulusi Karaca and Ramazan Akkaya</i>	
Modeling and Simulation of a Fuzzy-Genetic Controller for a Boost PFC Converter in Matlab/Simulink.....	333
<i>Huseyin Dogan and Ramazan Akkaya</i>	
Nonlinear Oscillation in Potential Transformers Connected Controlling Circuit.....	338
<i>Hamid Radmanesh, Mohammad Bakhshandeh, and Hamid Mohammad Hossein</i>	
Finite Element Study on Corono-Radicular Restored Teeth.....	342
<i>Sandu Liliana, Topală Florin, and Porojan Sorin</i>	
Formulation of Cost Effective Simulation Methods for Handling problems in Bio - Informatics.....	346
<i>Niranjan M. Mirasdar, Seema U. Purohit, and Prasad Kandalkar</i>	
Statistical Approach for Noise Removal in Speech Signals Using LMS, NLMS, Block LMS and RLS Adaptive filters.....	351
<i>D. Hari Hara Santosh, VUSL Sravya Pendyala, V.N. Lakshman Kumar, and N.Shanmukh Rao</i>	
An Enhanced Solution to the Protein Folding Problem Using a Hybrid Genetic Algorithm with G-Bit Improvement Strategy.....	356
<i>M. V. Judy and B Ramadoss</i>	
Performance Monitoring of VoIP with Multiple Codecs Using IPv4 and IPv6to4 Tunnelling Mechanism on Windows and Linux.....	360
<i>Hira Sathu and Mohib A. Shah</i>	
A Neural Approach for Compensation of Effects of PAPR Causing BER Degradations in Hiperlan2.....	365
<i>Shubhangi Rathkanthiwar, Chandrashekhar Dethe, and Kishore Kulat</i>	