Fourth International Conference on Advances in Communication, Network, and Computing and International Conference on Advances in Control System and Electricals Engineering 2013

Lecture Series in Computer Science Volume 1

Chennai, India 22 - 23 February 2013

Editors:

Deshmukh Ratnadeep Vinu V Das

ISBN: 978-1-5108-1702-9

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2013) by International Technology Innovation All rights reserved.

Printed by Curran Associates, Inc. (2016)

For permission requests, please contact International Technology Innovation at the address below.

International Technology Innovation 24 Flatbush Lane L7A 2X1, ON, Canada

Phone: +1(416) 671 9413

admin@theiti.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: 845-758-0400 Fax: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

1. On-line Power System Static Security Assessment in a Distributed Computing Frame Work	1-6
Sunitha R, Sreerama Kumar R, Abraham T Mathew and Veeresh P Kosaraju	
2. Fuzzy Based Node Disjoint QoS Routing in MANETs by Using Agents <i>Vijayashree Budyal, Manvi S S and Hiremath S G</i>	7-12
3. A Meta-heuristic Approach to Rail-Truck Intermodal Transportation of Hazardous Materials Verma M, Verter V and Zufferey N	13-18
4. A Gaussian Plume-based Population Exposure Approach to Railroad Transportation of Hazardous Materials <i>Verma M</i>	19-24
5. Optimization of Inter-satellite Link (ISL) in Hybrid OFDM-IsOWC Transmission System Vishal Sharma and Amandeep Kaur	25-28
6. A Review of Matrix Converter and Novel Control Method of DC-AC Matrix Converter Kandasamy K V and Sarat Kumar Sahoo	29-34
7. A Unified Architecture for Surfacing the Content of Deep Web Databases <i>Pavai G and Geetha T V</i>	35-38
8. Simulation and Design of SRF based Control Algorithm for Three Phase Shunt Active Power Filter Sakthivel A, Vijayakumar P, Lakshminarasimman L and Gnanaprakasam D	39-42
9. Wireless Sensor Network using Particle Swarm Optimization Shekh Md Mahmudul Islam, Mohammad Anisur Rahman Reza and Md Adnan Kiber	43-47
10. Challenging Issues in VANET Network and its Routing Algorithms- An Analysis Vishal Sharma, Harsukhpreet Singh and Shashi Kant	48-51
11. Challenging Issues in Inter-Satellite Optical Wireless Systems (IsOWC) and its Mitigation Techniques Vishal Sharma and Amandeep Kaur	52-54
12. Comparative Study of Effects of Delay in Load Balancing Scheme for Highly Load Variant Interactive Applications Sudarshan Deshmukh and Sampada S Kalmankar	55-58

13.	A Comparative Study of Different Load Balancing Techniques for Heterogeneous Nodes Pooja Gandodhar and Sudarshan Deshmukh	59-62
14.	A Novel Approach For De-Noising CT Images Mredhula L and Dorairangaswamy	63-66
15.	Highly Parallel Pipelined VLSI Implementation of Lifting Based 2D Discrete Wavelet Transform Nikhila Lakshmanan, Jayaraj U Kidav, Nandakumar R and Lalmohan K S	67-71
16.	An Analytical Approach To Analyze The Impact Of Gray Hole Attacks In Manet Usha G and Bose S	72-76
17.	Evaluate Combined Sobel-Canny Edge Detector for Image Procssing Luma Salal Hasan	77-79
18.	A Secure Software Engineering Perspective Arun Mishra and Arati M Dixit	80-84
19.	Enhancing the Security Framework in Cloud Infrastructure ThamaraiSelviSomasundaram, Aparna B Bhat, Kannan Govindarajan and Kiran S	85-88
20.	Information Extraction using Rule based Software Agents in Knowledge Grid Praveen Desai, Dinesh Acharya and Ashalatha Nayak	89-92
21.	Spectral Analysis of Shadow Window-FIR Filters Muralidhar P V, Sastry D V L N and Nayak S K	93-95
22.	An Integrated Framework for IT Infrastructure Management by Work Flow Management using Hierarchical Tree Structure Elangovan V R and Ramaraj E	96-99
23.	Policy Driven Dynamic LUN Space Optimization based on the Utilization Nayaka B Govindaraja, Majeed Zameer and Taranisen Mohanta	100-104
24.	Effect of Energy Storage Devices in Hydrothermal Power Systems by using Various Controllers Partheeban B, Senthil kumar R and Sudhakaran M	105-108
25.	Fuzzy Controlled Shunt Active Power Filter for Line Harmonic Mitigation Durgalakshmi K, Sakthivel A, Vijayakumar K and Krishnaveni N	109-112
26.	How Unstable is an Unstable System? Rama Murthy Garimella and Rambabu Kalla	113-115

27. Agent based Aggregation of Cloud Services- A Research Agenda	116-119
Nandini Sidnal and Sreedevi R Nagarmunoli	
28. Service Selection using Non-Functional Properties in MANETs	120-123
Ponmozhi K and Rajesh R S	