

Contents

| | |
|--|-----------|
| Resource Management Using Virtual Machine Migrations | 1 |
| Pradeep Kumar Tiwari and Sandeep Joshi | |
| Framework of Compressive Sampling with Its Applications to One- and Two-Dimensional Signals | 11 |
| Rachit Patel, Prabhat Thakur and Sapna Katiyar | |
| Carbon Footprints Estimation of a Novel Environment-Aware Cloud Architecture | 21 |
| Neha Solanki and Rajesh Purohit | |
| Examining Usability of Classes in Collaboration with SPL Feature Model. | 31 |
| Geetika Vyas and Amita Sharma | |
| Do Bad Smells Follow Some Pattern? | 39 |
| Anubhuti Garg, Mugdha Gupta, Garvit Bansal, Bharavi Mishra and Vikas Bajpai | |
| Ultrawideband Antenna with Triple Band-Notched Characteristics | 47 |
| Monika Kunwal, Gaurav Bharadwaj, Kiran Aseri and Sunita | |
| Utilizing NL Text for Generating UML Diagrams | 55 |
| Prasanth Yalla and Nakul Sharma | |
| 2-D Photonic Crystal-Based Solar Cell | 63 |
| Mehra Rekha, Mahnot Neha and Maheshwary Shikha | |
| Parallel Implantation of Frequent Itemset Mining Using Inverted Matrix Based on OpenCL | 71 |
| Pratipalsinh Zala, Hiren Kotadiya and Sanjay Bhandari | |
| Extended Visual Secret Sharing with Cover Images Using Halftoning. | 81 |
| Abhishek Mishra and Ashutosh Gupta | |

| | |
|---|------------|
| Resonant Cavity-Based Optical Wavelength Demultiplexer Using SOI Photonic Crystals | 89 |
| Chandraprabha Charan, Vijay Laxmi Kalyani and Shivam Upadhyay | |
| A Frequency Reconfigurable Antenna with Six Switchable Modes for Wireless Application | 95 |
| Rachana Yadav, Sandeep Yadav and Sunita | |
| Comparative Analysis of Digital Watermarking Techniques | 105 |
| Neha Bansal, Vinay Kumar Deolia, Atul Bansal and Pooja Pathak | |
| Design and Analysis of 1×6 Power Splitter Based on the Ring Resonator | 117 |
| Juhi Sharma | |
| Performance Evaluation of Vehicular Ad Hoc Network Using SUMO and NS2 | 127 |
| Prashant Panse, Tarun Shrimali and Meenu Dave | |
| An Intrusion Detection System for Detecting Denial-of-Service Attack in Cloud Using Artificial Bee Colony. | 137 |
| Shalki Sharma, Anshul Gupta and Sanjay Agrawal | |
| Multi-cavity Photonic Crystal Waveguide-Based Ultra-Compact Pressure Sensor | 147 |
| Shivam Upadhyay, Vijay Laxmi Kalyani and Chandraprabha Charan | |
| Role-Based Access Mechanism/Policy for Enterprise Data in Cloud. | 155 |
| Deepshikha Sharma, Rohitash Kumar Banyal and Iti Sharma | |
| Big Data in Precision Agriculture Through ICT: Rainfall Prediction Using Neural Network Approach. | 165 |
| M.R. Bendre, R.C. Thool and V.R. Thool | |
| Evaluating Interactivity with Respect to Distance and Orientation Variables of GDE Model. | 177 |
| Anjana Sharma and Pawanesh Abrol | |
| Comparative Evaluation of SVD-TR Model for Eye Gaze-Based Systems | 189 |
| Deepika Sharma and Pawanesh Abrol | |
| Identity-Based Key Management | 199 |
| Purvi Ramanuj and J.S. Shah | |
| Firefly Algorithm Hybridized with Flower Pollination Algorithm for Multimodal Functions | 207 |
| Shifali Kalra and Sankalp Arora | |
| Uniqueness in User Behavior While Using the Web | 221 |
| Saniya Zahoor, Mangesh Bedekar, Vinod Mane and Varad Vishwarupe | |

| | |
|---|-----|
| Prediction of ERP Outcome Measurement and User Satisfaction Using Adaptive Neuro-Fuzzy Inference System and SVM Classifiers Approach | 229 |
| Pinky Kumawat, Geet Kalani and Naresh K. Kumawat | |
| UWB Antenna with Band Rejection for WLAN/WIMAX Band. | 239 |
| Monika Kunwal, Gaurav Bharadwaj and Kiran Aseri | |
| Consequence of PAPR Reduction in OFDM System on Spectrum and Energy Efficiencies Using Modified PTS Algorithm | 247 |
| Luv Sharma and Shubhi Jain | |
| Energy Efficient Resource Provisioning Through Power Stability Algorithm in Cloud Computing | 255 |
| Karanbir Singh and Sakshi Kaushal | |
| Comparative Analysis of Scalability and Energy Efficiency of Ordered Walk Learning Routing Protocol | 265 |
| Balram Swami and Ravindar Singh | |
| A Novel Technique for Voltage Flicker Mitigation Using Dynamic Voltage Restorer | 273 |
| Monika Gupta and Aditya Sindhu | |
| Gaussian Membership Function-Based Speaker Identification Using Score Level Fusion of MFCC and GFCC | 283 |
| Gopal, Smriti Srivastava, Saurabh Bhardwaj and Preet Kiran | |
| Local and Global Color Histogram Feature for Color Content-Based Image Retrieval System | 293 |
| Jyoti Narwade and Binod Kumar | |
| Energy Efficient Pollution Monitoring System Using Deterministic Wireless Sensor Networks | 301 |
| Lokesh Agarwal, Gireesh Dixit, A.K. Jain, K.K. Pandey and A. Khare | |
| Development of Electronic Control System to Automatically Adjust Spray Output. | 311 |
| Sachin Wandkar and Yogesh Chandra Bhatt | |
| Social Impact Theory-Based Node Placement Strategy for Wireless Sensor Networks | 319 |
| Kavita Kumari, Shruti Mittal, Rishemjit Kaur, Ritesh Kumar, Inderdeep Kaur Aulakh and Amol P. Bhondekar | |
| Bang of Social Engineering in Social Networking Sites | 333 |
| Shilpi Sharma, J.S. Sodhi and Saksham Gulati | |
| Internet of Things (IoT): In a Way of Smart World | 343 |
| Malay Bhayani, Mehul Patel and Chintan Bhatt | |

| | |
|--|------------|
| A Study of Routing Protocols for MANETs | 351 |
| Kalpesh A. Popat, Priyanka Sharma and Hardik Molia | |
| Modelling Social Aspects of E-Agriculture in India for Semantic Web | 359 |
| Sasmita Pani, Priyabrata Dash and Jibitesh Mishra | |
| An Efficient Adaptive Data Hiding Scheme for Image Steganography | 371 |
| Sumeet Kaur, Savina Bansal and R.K. Bansal | |
| A Five-Layer Framework for Organizational Knowledge Management | 381 |
| H.R. Vishwakarma, B.K. Tripathy and D.P. Kothari | |
| A Survey on Big Data Architectures and Standard Bodies | 391 |
| B.N. Supriya, S. Prakash and C.B. Akki | |
| Generating Data for Testing Community Detection Algorithms | 401 |
| Mini Singh Ahuja and Jatinder Singh | |
| Metamorphic Malware Detection Using LLVM IR and Hidden Markov Model | 411 |
| Ginika Mahajan and Raja | |
| Object-Based Graphical User Authentication Scheme | 423 |
| Swaleha Saeed and M. Sarosh Umar | |
| Efficient Density-Based Clustering Using Automatic Parameter Detection | 433 |
| Priyanka Sharma and Yogesh Rathi | |
| WT-Based Distributed Generation Location Minimizing Transmission Loss Using Mixed Integer Nonlinear Programming in Deregulated Electricity Market | 443 |
| Manish Kumar, Ashwani Kumar and K.S. Sandhu | |
| Use Case-Based Software Change Analysis and Reducing Regression Test Effort | 459 |
| Avinash Gupta and Dharmender Singh Kushwaha | |
| Tackling Supply Chain Management Through RFID: Opportunities and Challenges | 467 |
| Prashant R. Nair and S.P. Anbuudayasankar | |
| Quality Improvement of Fingerprint Recognition System | 477 |
| Chandana, Surendra Yadav and Manish Mathuria | |
| A Composite Approach to Digital Video Watermarking | 487 |
| Shaila Agrawal, Yash Gupta and Aruna Chakraborty | |

| | |
|--|------------|
| Effective Congestion Less Dynamic Source Routing for Data Transmission in MANETs | 499 |
| Sharmishtha Rajawat, Manoj Kuri, Ajay Chaudhary and Surendra Singh Choudhary | |
| Implementation and Integration of Cellular/GPS-Based Vehicle Tracking System with Google Maps Using a Web Portal | 513 |
| Kush Shah | |
| Image Segmentation Using Two-Dimensional Renyi Entropy. | 521 |
| Baljit Singh Khehra, Arjan Singh, Amar Partap Singh Pharwaha and Parmeet Kaur | |
| Supervised Learning Paradigm Based on Least Square Support Vector Machine for Contingency Ranking in a Large Power System | 531 |
| Bhanu Pratap Soni, Akash Saxena and Vikas Gupta | |
| Process Flow for Information Visualization in Biological Data. | 541 |
| Sreeja Ashok and M.V. Judy | |
| A Performance Analysis of High-Level MapReduce Query Languages in Big Data | 551 |
| Namrata Singh and Sanjay Agrawal | |
| Variance-Based Clustering for Balanced Clusters in Growing Datasets | 559 |
| Divya Saini, Manoj Singh and Iti Sharma | |
| Conceptual Framework for Knowledge Management in Agriculture Domain | 567 |
| Nidhi Malik, Aditi Sharan and Jaya Srivastava | |
| Modularity-Based Community Detection in Fuzzy Granular Social Networks | 577 |
| Nicole Belinda Dillen and Aruna Chakraborty | |
| Auto-Characterization of Learning Materials: An Adaptive Approach to Personalized Learning Material Recommendation. | 587 |
| Jyoti Pareek and Maitri Jhaveri | |
| Hadoop with Intuitionistic Fuzzy C-Means for Clustering in Big Data. | 599 |
| B.K. Tripathy, Dishant Mittal and Deepthi P. Hudedagaddi | |
| A Framework for Group Decision Support System Using Cloud Database for Broadcasting Earthquake Occurrences. | 611 |
| S. Gowri, S. Vigneshwari, R. Sathiyavathi and T.R. Kalai Lakshmi | |

| | |
|--|------------|
| Advanced Persistent Threat Model for Testing Industrial Control System Security Mechanisms | 617 |
| Mercy Bere-Chitauro, Hippolyte Muyingi, Attlee Gamundani and Shadreck Chitauro | |
| e-Reader Deployment in Namibia: Fantasy or Reality? | 627 |
| Mohammed Shehu and Nobert Jere | |
| Multi-region Pre-routing in Large Scale Mobile Ad Hoc Networks (MRPR) | 637 |
| Majid Ahmad Charoo and Durgesh Kumar Mishra | |
| Challenges Faced in Deployment of e-Learning Models in India | 647 |
| Kamal Kumar Sethi, Praveen Bhanodia, Durgesh Kumar Mishra, Monika Badjatya and Chandra Prakash Gujar | |
| A Novel Cross-Layer Mechanism for Improving H.264/AVC Video Transmissions Over IEEE 802.11n WLANs | 657 |
| Lal Chand Bishnoi and Dharm Singh Jat | |
| Author Index | 669 |

Proceedings of the International Congress on
Information and Communication Technology

ICICT 2015, Volume 1

Satapathy, S.C.; Bhatt, Y.C.; Joshi, A.; Mishra, D.K. (Eds.)

2016, XIX, 671 p. 302 illus., Softcover

ISBN: 978-981-10-0766-8