

## Conference Publications

### 2016

- P.K.Swain, **M.K.Rath** “Analysis and QoS Measurement for Voluminous Data Flow in Wireless Sensor Network”, 3rd IEEE International Conference on Recent Advances in Information Technology (RAIT-2016), ISM Dhanbad.
- Rana, Madhurima, **Prachi Vijayeeta**, Utsav Kar, Madhabananda Das, and B. S. P. Mishra. "Unsupervised Machine Learning Approach for Gene Expression Microarray Data Using Soft Computing Technique." In *Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics*, pp. 497-506. Springer India, 2016.
- Maneesha Nidhi and **Veena Goswami**: A randomized N-policy queueing method to prolong lifetime of wireless sensor networks, In *Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics*, pp. 347-357. Springer India, 2016.

### 2015

- Gopinath Panda, **Veena Goswami**, A. D. Banik: Equilibrium abandonment strategies in a cloud management system (CMS): A queueing approach, 10th Conference on Stochastic Models of Manufacturing and Service Operations (SMMSO 2015) June 1-6, 2015, pp. 179-186, Volos, Greece.
- **Prachi Vijayeeta.**, Kar, U., Rana, M., Das, M. and Mishra, B.S.P., 2015. Microarray Classification of Cancerous Cell Using Soft Computing Technique. *Procedia Computer Science*, 49, pp.66-73.
- Mishra, Debashis, Isita Bose, **Utpal Chandra De**, and Madhabananda Das. "Medical Image Thresholding Using Particle Swarm Optimization." In *Intelligent Computing, Communication and Devices*, pp. 379-383. Springer India, 2015.
- A. Sen, A. Aich, S.R. Dash and S. Dehuri. Deoxyribonucleic Acid (DNA) for a Shared Secret Key Cryptosystem with Diffie Hellman Key sharing technique, IEEE Proceeding, ,pp.207-215 2015.
- A. Sen, A. Aich, S.R. Dash and S. Dehuri. "A Symmetric Key Cryptosystem Using DNA Sequence with OTP Key." *Information Systems Design and Intelligent Applications*. Springer India,pp.207-215 2015.
- A. Aich, A. Sen, S.R. Dash. A Survey on Cloud Environment Security Risk and Remedy. CPS,IEEE, pp.192-193, 2015.
- **M. K. Rath**, P. K. Swain “A study on evolution of generations of cellular network”, UGC sponsored National conference on Recent trends in mathematics and information technology (NCMCS-2015) pp.89-92, 18th-19th Dec. U.N College, Mayurbhanj, Odisha.

## 2014

- **Mishra, Manoj Ranjan**, Jajnyaseni Kar, and Banshidhar Majhi. "One-pass authenticated key establishment protocol on bilinear pairings for Wireless Sensor Networks." *Privacy and Security in Mobile Systems (PRISMS), 2014 International Conference on*. IEEE, 2014.
- **Barik, R.K.** and Samaddar, A.B., 2014. Service Oriented Architecture Based SDI Model for Education Sector in India. In *Proceedings of the International Conference on Frontiers of Intelligent Computing: Theory and Applications* (pp. 555-562). Springer International Publishing.
- **S.R. Dash**, S. Dehuri, U. Sahoo & Gi-Nam Wang. On Clustering of DNA Sequence of Olfactory Receptors Using Scaled Fuzzy Graph Model. *Soft Computing for Problem Solving(SocPros)*, Springer AISC, 875-884,vol.236, Springer India, 2014.

## 2013

- Padmabati Chand, and **J. R. Mohanty**, "A Multi Objective Vehicle Routing Problem using Dominant Rank Method", In proceedings of the International Journal of Computer Applications, ICDCIT 2013, pp. 29-34.
- Padmabati Chand and **J R Mohanty**, "A Multi-Depot Vehicle Routing Problem using Grid Non Dominated Predator Prey Evolution strategy", Elsevier, In proceedings of the National Conference on of Advancement in the Area of Multi Disciplinary Systems, AEMDS, 2013, pp.18-26.
- Padmabati Chand, and **J. R. Mohanty**, "Cluster Ranking Multi Depot Vehicle Routing Problem with Time Window Solved by a New Non Dominated Algorithm", Elsevier, In proceedings of the International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2013, pp. 256-263.
- Padmabati Chand, and **J. R. Mohanty**, "Environmental Vehicle Transport Problem Using Variant of NSGA-II", Elsevier, In Proceedings of Second International Conference on Advances in Computer Science and Application, CSA 2013, pp. 764-769.
- Padmabati Chand, and **J. R. Mohanty**, "Cluster Real Time Vehicle Routing Problem with Time Window Solved by a New Non Dominated Algorithm", Elsevier, In proceedings of the Fourth International Conference on Recent Trends in Information, Telecommunication and Computing, ITC 2013, pp. 575-584.
- Padmabati Chand, and **J. R. Mohanty**, "Multi Objective Uncertain Transport Trail Model using Non Dominated Solution Ranking Algorithm", Elsevier, In proceedings of the Fourth International Conference on Advances in Power Electronics and Instrumentation Engineering, PEIE 2013, pp. 384-389

- **S.R. Dash**, S. Dehuri, & S. Rayaguru. Discovering Interesting Rules from Biological Data Using Parallel Genetic Algorithm, International Advance Computing Conference (IACC), IEEE Proceeding, pp.631-636, 2013.
- **S.R. Dash** & S. Dehuri. Soft Set and Genetic Algorithms for Association rule Mining: A Road Map and Direction for Hybridization Frontiers of Intelligent Computing (FICTA), Springer-Verlag Berlin Heidelberg, AISC 199, pp.81-93, 2013.
- **S.R. Dash** & S. Dehuri .Classification of Chemosensory Receptors, Proceedings of the National Conference on Advancements in the Era of Multi Disciplinary Systems, Elsevier, pp.628-631, 2013.

## 2012

- **V. Goswami**, **S. S. Patra** and G. B. Mund: Performance Analysis and Optimal Resource Usage in Finite Population Cloud Environment, The Second IEEE International Conference on *Parallel, Distributed and Grid Computing* (PDGC-2012).
- **V. Goswami** and **P. K. Swain**: Finite population based call admission control in integrated Cellular ad-hoc relaying system, Proceedings of 2nd International Conference on Computer, Communication, Control and Information Technology (C3IT-2011), Procedia Technology, Elsevier, Vol. 4, pp. 196 – 200, 2012.
- **V. Goswami** and **C. Misra**: Performance modeling of energy saving mechanism using batch operation in IEEE 802.16e, Proceedings of 2nd International Conference on Computer, Communication, Control and Information Technology (C3IT-2011), Procedia Technology, Elsevier, Vol. 4, pp. 698-702, 2012.
- **V. Goswami** and **P. K. Swain**: Analysis of Finite Population Limited Fractional Guard Channel Call Admission Scheme in Cellular Networks, Proceedings of 3rd International Conference on Communication Technology and System Design (ICCTSD-2011), Procedia Engineering, Elsevier, Vol. 30, pp. 759-766, 2012.
- **V. Goswami**, **S. S. Patra** and G. B. Mund: Performance Analysis of Cloud with Queue-Dependent Virtual Machines, IEEE First International Conference on Recent advances in Information Technology, pp. 357 – 362, 2012.
- **J.R.Mohanty**, The Support of Information and Communication Technology (ICT) in India for Open Education, The 99th Session of the Indian Science Congress, 20102.
- **S.R. Dash**, S. Dehuri, and U. Sahoo, On Clustering of DNA Sequence of Olfactory Receptors Using Scaled Fuzzy Graph Model ,. SocPros 2012 , Springer AISC, 2012
- **S.R. Dash**, S. Dehuri, A Conspectus of Soft Data Mining in Bioinformatics, CSI Communications, September 2012.pp.5-8. 2012

- **S.R. Dash**, S. Dehuri, R.Mohapatra, In-Silico prediction of 3D structure Plasmodium falciparum M17 & interaction with inhibitors in Protein Ligand Docking, National Conference on Intelligent System and Soft Computing IS2C), pp 65-76, 2012

## 2011

- **V. Goswami** and **P. K. Swain**: A MAHO Based Prioritized Handoff Queueing Scheme in Cellular Networks, Proceedings of 3rd IEEE International Conference on Advanced Computing (ICoAC-2011), pp. 254-259, 2011.
- P. Vijaya Laxmi, **V.Goswami** and Seleshi Demie: Genetic algorithm approach for analyzing multiple vacation queue with change-over times, Proceedings of the National Conference on Applications of Mathematics in Engineering Sciences, pp. 153 – 156, 2011.
- **C. Misra, P. K. Swain**, “An Automated HSV Based Text Tracking System from Complex Color Video.” Lecture Notes in Computer Science, Springer-Verlag, Vol. 6536, pp. 255-266, 2011. (ISSN:0302-9743, ISBN:978-3-642-19055-1).
- Padmabati Chand, **J. R. Mohanty**: Multi Objective Genetic Approach for solving Vehicle Routing Problem with Time Window, Communications in Computer and Information science, Springer-Verlag Berlin Heidelberg, , pp.336-343, 2011
- S. B. Panda, **P. K. Swain** and C. Misra, “The M/M/3/∞ Queue with Heterogeneous Servers: Steady State Solution and Performance Evaluation”, in the proceedings of National Conference on Emerging Trends in Information & Communication Technology (ETICT-2011), GEC, Bhubaneswar, 2011.
- **K.Q.Khan** , “Soft Skills: The Hard Climb to the Top” at NCGIEE, by OPJIT, Raigarh in Oct ‘11
- **S.R. Dash**, S. Dehuri, Discovering Association Rules Using the Best Attribute of Soft Set and Genetic Algorithms” Recent Development in Soft Computing (RDSC), pp 35-39, 2011.
- **Barik, R.K.**, Ray, S., Samaddar, S. G., Samaddar, Arun B., Gupta, R.D., 2011, Service Oriented Architecture Based SDI Model For Geographical Indication Web Services In India, Presented in 2nd IPR IPR Researchers' Confluence, February 11-12, 2011, SJMSOM, IIT Bombay.

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- **V. Goswami** and **P. K. Swain**: Performance Analysis of Call Admission Control for Multi-service Wireless Cellular Networks,

IEEE Sixth International Conference on Wireless Communication and Sensor Networks (WCSN), pp. 170 -174, 2010.

- **S.S.Patra, S.R.Dash**(2010) ‘Partitional Clustering-An iterative algorithm’ Special Issue of International Journal of Computer and Communication Technology , Vol 2 Issue 2,3,4;2010 for International Conference on Computer Technology(ICCT-2010) pp 151-156
- **C. Misra, P. K. Swain**, “Performance Analysis of Finite Buffer Queueing System with Multiple Heterogeneous Servers”. Lecture Notes in Computer Science, Springer-Verlag, 2010, Vol. 5966, pp. 180-183, 2010. (ISSN: 0302-9743, ISBN-10:3-642-11658-2).
- Dash. M. R., Dash. P. R. **Pattanaik. P.S.** (5th-6th Jan2010): Diffusion of risk in emerging Markets Economies, Pg-22, Presented in a AICTE sponsored national seminar on Managing Financial Risk Emerging Scenario, Originated by Academy of management studies Bhubaneswar.
- Samaddar, Arun B., **Barik, R.K.**, Gupta, R.D., 2010, WebGIS for Mineral Resources Management in India, Published in 3rd Asian Mining Congress-2010 held from January 22-25, 2010 at Kolkata, India. Vol. 2, ISBN: 978-81-8211-069-4, PP 349-358.
- Dash M.R, Dash P R & **Pattnayak P.S**, “Clustering Internet Banking Customer using Data mining”, AICTE National Seminar on Modern Trends in Data Engg. & Data storage” , Organised by Srusti Academy of Management, May- 1st -2010, Bhubaneswar, INDIA
- Dash. M.R., Dash P.R.; **Pattanaik, P.S.**,”Enticing Internet Banking Consumers: A Diffusion of Innovation perspective”, National seminar on Emperical Research on management and Information technology: trend and opportunities, organized by DSMS Business School in association with School of Management and Sciences, West Bengal University of Technology on 5th October 2010.
- Pattnayak Sanghamitra; **Pattanaik, P.S**, Climate Change: A new challenge to Disasters management managing Environment, water resources conflict and International Security, International Seminar organized by International Political Science Association in collaboration with Institute of public Enterprise(December 22-23, 2010)
- **K.Q.Khan**, “Who’ll teach the teachers: The Fall of MCA in Odisha” at the NCTE, by OPJIT, Raigarh in Oct ’10
- **Barik, R.K.** and Barik, S. and Lenka, S. 2010, Investigations into the Efficacy of Open Spatial DSS Tools, Published in National Seminar on Recent Trends in Data Warehousing and Data Mining, Organized by CSE, IT and MCA of Raajdhani Engineering College, Bhubaneswar on 17th March, 2010.
- **Barik, R.K.**, Nayak, G.N. and Jain, S., 2010, A DSS for analysis of Green House effect by using Rgvi Tool, Published in National Seminar on Recent Trends in Data Warehousing and Data Mining , Organized by CSE, IT and MCA of Raajdhani Engineering College, Bhubaneswar on 17th March, 2010.