

Satchidananda Dehuri (Ph.D. (Computer Science))

PERSONAL INFORMATION DOB: 15th **June 1976** SEX: Male PASSPORT NO.: G5389112
NATIONALITY: Indian

CORRESPONDENCE ADDRESS

Satchidananda Dehuri, Reader,
Department of Information and Communication Technology,
Fakir Mohan University, Vyasa Vihar, Januganj,
Balsore-756019, ORISSA, INDIA.

CONTACT: TEL: +91-6843-2-62229

MOBILE: +91-96683-21964

Email: satchi.lapa@gmail.com

AFFILIATION Dr. Satchidananda Dehuri, Reader and Head
Department of Information and Communication Technology,
Director,
Instrumentation Maintenance Facility Center,
Software Development Cell,
Center of Distance and Continuing Education,
Fakir Mohan University, Vyasa Vihar, Januganj,
Balasore-756019, ORISSA, INDIA.

EDUCATION **Post Doctor** in Engineering Sciences, Yonsei University, SOUTH KOREA, 2008.

Ph.D. in Computer Science, Utkal University, INDIA, 2006.

THESIS TITLE: "Application of Parallel Processing Techniques to Data Warehousing and Mining",

under the guidance of Prof. Rajib Mall, IIT Kharagpur.

Master of Technology (First Class with Honors) in Computer Science, School of Mathematics Statistics & Computer Science, Utkal University, INDIA, 2001.

THESIS TITLE: "Multi-objective Evolutionary Algorithms for Rule Generation in Data Mining",

completed from Machine Intelligence Unit, Indian Statistical Institute under the Guidance of Prof. Ashish Ghosh.

AWARDS ACHIEVEMENTS **International Travel Support** from Department of Science and Technology, INDIA to participate in GECCO 2011 at Dublin, Ireland.

Young Scientist Award from Department of Science and Technology, Orissa Bi-gyan Academy, Govt. of ORISSA for the year 2008.

Post Doctoral Fellowship received from University of Algarve, FARO Portugal in 2010.

Visiting Scholar with Fellowship in Center for Theoretical Studies, Indian Institute of Technology Kharagpur, INDIA, 2002.

Visiting Scientist with Fellowship during the period 20th May to 20th June in Center for Soft Computing Research, Indian Statistical Institute, Kolkata, INDIA 2006.

Visiting Scientist with Fellowship during the period 20th May to 20th July in Center for Soft Computing Research, Indian Statistical Institute, Kolkata, INDIA 2007.

Better Opportunities for Young Scientist in Chosen Area of Science and Technology (BOYSCAST) awarded by Department of Science and Technology, Govt. of India for the Period 20th March 2008 to 20th March 2009.

RESEARCH PROJECTS

CARS Project titled "Knowledge Extraction Using Fuzzy Genetic Approach from Meteorological Data" from DRDO, ITR Chandipur. Duration 2011-2012, Contract No. RD/P-11/ITER-025, (INR:5,00,000).

UGC Minor Research Project titled "Application of Biologically Inspired Methods in Financial Modeling". Duration 2011-2013, Sanction No.: 40-472/2011(SR), (INR:1,20,000).

Fast Track project titled "Multi-objective Fuzzy Swarm Intelligent System for Intrusion Detection" from Department of Science and Technology, 2011, (INR:13,00,000).

TEACHING RESEARCH INTEREST

Design and Analysis of Algorithms, Data Structure, Evolutionary and Non-Evolutionary Algorithm for Pattern Recognition, Relational Database, Data Mining and Data Warehousing, Theory of Computation and Programming Languages C, C++, Data Mining for Bioinformatics, Graph Algorithms, Swarm Intelligence and Neural Networks.

THESIS SUPERVISED

Doctor of Philosophy (Completed)

Particle Swarm Optimization for Multi-objective Problems by Madhabananda Das in KIIT University, Orissa, INDIA.

Bhabani Sankar Prasad Mishra has submitted thesis on "Parallel Single and Multi-objective Genetic Algorithms" in F. M. University, Vyasa Vihar, Balasore, Orissa, INDIA.

Doctor of Philosophy (In Progress)

Mr. Harihar Kalia is working on "Multi-objective Fuzzy Genetic Rule Mining" in F. M. University, Vyasa Vihar, Balasore, Orissa, INDIA.

Mr. Bijaya Kumar Nanda is working on "Ant Colony Based Data Mining" in F. M. University, Vyasa vihar, Balasore, ORISSA, INDIA.

Mr. Arbind Panda is working on "Data Mining Tools and Techniques for Bioinformatics" in F. M. University, Vyasa Vihar, Balasore, Orissa, INDIA.

Mr. Choudhury Sanjeeb Kumar Dash is working on "Evolving Neural Networks for Data Mining" in F. M. University, Vyasa Vihar, Balasore, Orissa, INDIA.

Mr. Ashok Panda is working on "Web Mining and its Application to E-commerce" in Berhampur University, Bhanja Bihar, Orissa, INDIA.

PUBLICATIONS My publications in DBLP (<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/d/Dehuri:Satchidananda.html>).

Book Chapter M. Das and S. Dehuri, "Particle Swarm Optimization for Single and Multi-objective Classification Problem", In V. K. Mago, et al. (Eds.), *Cross Disciplinary Applications of Artificial Intelligence and Pattern Recognition: Advancing Technologies*, IGI Global, 2011 (Accepted).

S. Dehuri, S. Ghosh, and C. A. C. Coello, "An Introduction to Swarm Intelligence for Multi-objective Problems in Data Mining", In: C.A.C. Coello, S. Dehuri and S. Ghosh (Eds.) *Swarm Intelligence for Multi-objective Problems in Data Mining*, Springer-Verlag, Berlin/Heidelberg, 2009.

S. Dehuri and S.-B. Cho, "A Theoretical and Empirical Study of Functional Link Neural Networks (FLANNs) for Classification. In: M. Zhang (Eds.) *Artificial Higher Order Neural Networks for Computer Science and Engineering: Trends for Emerging Applications*, IGI Global, 2009.

S. Dehuri, C.A.C. Coello, S.-B. Cho and A. Ghosh, "A Discrete Swarm for Multi-objective Problems in Polynomial Neural Network for Classification: Data Mining Perspective. In: C.A.C. Coello, S. Dehuri and S. Ghosh (Eds.) *Swarm Intelligence for Multi-objective Problems in Data Mining*, Springer-Verlag, Berlin/Heidelberg, 2009.

S. Dehuri, S. Ghosh, and A. Ghosh, "Genetic Algorithms for Optimization of Multi-objectives in Knowledge Discovery from Large Databases", (Eds.) A. Ghosh, S. Dehuri, and S. Ghosh, *Multi-objective Evolutionary Algorithms for Knowledge Discovery from Databases*, Springer Berlin/Heidelberg, pp. 1-22, 2008.

Book B. B. Misra, S. Dehuri, B. K. Panigrahi, and A. K. Nayak (Eds.), *Computational Intelligence in Sensor Networks*, Studies in Computational Intelligence Series, Springer-Verlag/Heidelberg, 2011 (In Press).

S. Dehuri, M. R. Patra, B. B. Misra, and A. k. Jagadev (Eds.), *Intelligent Techniques in Recommendation System: Contextual Advancements and New Methods*, IGI Global, USA, 2011 (In Press).

S. Dehuri, S.-B. Cho and S. Ghosh (Eds.), *Integration of Swarm Intelligence and Artificial Neural Networks*, World Scientific Press, 2011.

S. Dehuri and S.-B. Cho (Eds.), *Knowledge Mining Using Intelligent Agents*, Imperial College Press, 2010.

Chee Peng Lim, Lakhmi C. Jain, and S. Dehuri (Eds.), *Innovations in Swarm Intelligence*, Springer-Verlag, 2009.

Carlos A. Coello Coello, S. Dehuri, and S. Ghosh (Eds.), *Swarm Intelligence for*

Multi-objective Problems in Data Mining, Springer-Verlag, 2009.

A. Ghosh, S. Dehuri, S. Ghosh (Eds.), Multi-Objective Evolutionary Algorithms for Knowledge Discovery in Databases, Springer-Verlag, 2008.

A. Ghosh, S. Dehuri, and A. Panda, Soft Computing, India Tech, New Delhi, 2008.

S. Dehuri, A.K. Jagadev, and A.K. Rath, An Introduction to Object Oriented Programming through C++, Published by PHI, New Delhi, INDIA, 2007.

S. Dehuri, A.K. Rath, B.R. Das, An Introduction to Dos and Linux Commands with Shell Programming, Published by ECT, Bhubaneswar, 2004.

Monograph

Satchidananda Dehuri and Rajib Mall, Application of Parallel Processing to Data Warehousing and Mining: Application and Challenges, VDM Verlag Dr. Muller, ISBN:978-3-639-09848-8, 2009.

Journal

Dehuri, S., "A Novel Learning Scheme for Chebyshev Functional Link Neural Networks", Advances in Artificial Neural Systems, vol. 2011, pp.1-10, doi:10.1155/2011/107498, 2011.

Mishra, B. S. P., Dehuri, S., Mall, R., and Ghosh, A., "Parallel Single and Multiple Objectives Genetic Algorithms: A Survey", International Journal of Applied Evolutionary Computation, vol.2, no.2, pp.21-58, 2011.

Das, M., Roy, R., Dehuri, S., and Cho, S.-B., "A New Approach to Associative Classification based on Binary Multi-objective Particle Swarm Optimization", International Journal of Applied Meta-heuristic Computing, vol.2, no.2, pp. 51-73, 2011.

Mishra, B. S. P. and Dehuri, S., "A Survey of Parallel Single and Multi-objective Genetic Algorithms", IUP Journal of Computer Science, pp.52-87, vol.5, no.1, pp.52-87, 2011.

Mishra, B. S. P. and Dehuri, S., "Parallel Computing Environments: A Review", IETE Journal of Technical Review, vol.28, no.3, pp.155-162, 2011.

Kalia, H., Dehuri, S., and Ghosh, A., "Multi-objective Fuzzy Classification Rule Mining Using Genetic Algorithms: A Survey", IUP Journal of Information Technology, vol. VII, no.1, pp7-34, 2011.

Dehuri, S., Misra, B. B., Ghosh, A., Cho, S.-B., "A Condensed Polynomial Neural Network for Classification Using Swarm Intelligence", Applied Soft computing Journal, vol.11, pp.3106-3113, 2011. (SCIE, IF:2.415)

Pradhan, L., Dehuri, S., Mahapatro, B. B., and Panda, A. K., "A Study of Computational Intelligence in Agriculture", CSI Communications, vol. 34, no. 7, pp.14-24, 2010.

Pradhan, L., Mohapatro, B. B., Panda, A. K., and Dehuri, S. "Bridging the digital Divide and a Comprehensible Model to Develop Handy E-government in developing Countries", CSI Communications, vol. 34, no. 3, pp. 35-40, 2010.

Chand, P. and Mishra, B. S. P. and Dehuri, S., "A Multi-objective Genetic Algo-

rithms for Solving Vehicle Routing Problem”, International Journal of Information Technology & Knowledge Management, vol.III, no.I, 2010.

Dehuri, S. and Cho, S.-B., ”Evolutionary Optimized Features in Functional Link Artificial Neural Network for Classification”, Expert Systems with Applications: an International Journal, vol.37, no.6, pp. 4379-4391, 2010 (SCI), IF=2.596.

Devi, S., Jagadev, A. K., Dehuri, S., Mall, R., ”A Survey on Feature Selection Methods”, International Journal on Computer Engineering and Information Technology (IJCEIT), vol. 3, no. 4, pp. 6-12, 2009.

Dehuri, S., Cho, S.-B., ”A Hybrid Genetic Based Functional Link Artificial Neural Network with a Statistical Comparison of Classifiers over Multiple Datasets”, Neural Computing and Applications, Springer, vol.19, no.2, pp.317-328, 2009 (SCIE), IF=0.767.

Devi, S., Jagadev, A. K., Dehuri, S., Mall, R., ”Knowledge Discovery from Bio-medical Data Using a Hybrid PSO/Bayesian Classifier”, Technia: International Journal of Computing Science and Communication Technologies, vol. 2, no. 1, pp. 364-371, 2009.

Dehuri, S., Cho, S. B., ”A Comprehensive Survey on Functional Link Neural Networks and an Adaptive PSOBP learning for CFLNN”, Neural Computing and Applications, Springer, vol.19, no.2, pp. 187-205, 2009, (SCIE), IF=0.767.

Dehuri, S., Das, M. N., Jagadev, A. K., Ghosh, A., ”Application of Parallel Genetic Algorithms for Attribute Selection in Knowledge Discovery in Databases”, International Journal of Computing and Information Technology (IJCIT), 2009 (Accepted).

Dehuri, S., Cho, S.-B., ”Multi-criterion Pareto based particle swarm optimized polynomial neural network for classification: A Review and State-of-the-Art. Computer Science Review, Elsevier Science, vol. 3, no. 1, pp. 19-40, 2009.

Pradhan, L., Mohapatra, B. B., Dehuri, S., Panda, A. K., ”Enhancement of E-readiness Ranking of a Nation by Solving Multiple Campaign Assignment Problem Using Differential Evolution. International Journal of Electronic Finance, Inderscience, vol. 3, no.1, pp. 77-95, 2009.

Dehuri, S., Ghosh, A. and Cho, S.-B., ”Particle swarm optimized polynomial neural network for classification: A Multi-objective View. Int. Journal of Intelligent Defence Support Systems, Inderscience, vol. 1, no. 3, pp. 225-253, 2008.

Misra, B. B., Dehuri, S., Dash, P. K., and Panda, G., ”A Reduced and Comprehensive Polynomial Neural Network for Classification”, Pattern Recognition Letters, Elsevier Science, vol. 29, pp. 1705-1712, 2008 (SCIE).

Dehuri, S., ”PSO/GAs for Knowledge Discovery in Databases: A Research Direction”, Technia: International Journal of Computing Science and Communication Technologies, vol. 1, no. 1, 2008.

Dehuri, S., Patnaik, S., Ghosh, A., and Mall, R., ”Application of Elitist Multi-objective Genetic Algorithm for Classification Rule Generation” Applied Soft Computing Journal, Elsevier Science, vol. 8, pp. 477-487, 2008 (SCI).

- Dehuri, S. and Mall, R. "Parallel Processing Techniques for OLAP Queries Using A Cluster of Workstations", *International Journal of Information Technology and Decision Making*, World Scientific Press, vol. 6, no. 2, pp. 279-299, 2007 (SCIE).
- Misra, B. B., Dehuri, S., Panda, G., and Dash, P. K., "Fuzzy Swarm Net (FSN) for Classification Task in Data Mining", *The CSI Journal of Computer Science and Engineering*, vol. 5, no. 2&4 (b), pp. 1-8, 2007.
- Misra, B. B. and Dehuri, S., "Functional Link Artificial Neural Network for Classification in Data Mining", *Journal of Computer Science*, vol. 3, no. 12, pp. 948-955, 2007.
- Misra, B. B. and Dehuri, S., "A Novel Stranger Sociometry Particle Swarm Optimization (S2PSO)", *ICFAI Journal of Computer Science*, vol. 1, no. 1, 2007.
- Dehuri, S., "An Empirical Study of Particle Swarm Optimization for Cluster Analysis", *ICFAI Journal of Information Technology*, 2007.
- Dehuri, S., Mall, R. and Ghosh, A., "Mining of Uncorrelated Attributes Using Genetic Algorithm", *ICFAI Journal of Science and Technology*, Accepted (2007).
- Dehuri, S., "A Preliminary Survey on Instance and Feature Subset Selection Using Non-evolutionary and Evolutionary Techniques", *ANEVESA- The Journal of Fakir Mohan University*, 2007.
- Dehuri, S., Ghosh, A. and Mall, R., "Parallel Multi-objective Genetic Algorithm for Classification Rule Mining", *IETE Journal of Research*, vol. 53, no. 5, 2007.
- Dehuri, S., Ghosh, A. and Mall, R., "Evolving Functional Link Artificial Neural Network for Classification in Data Mining", *Journal of Systems, Science and Engineering*, vol. 15, no. 2, pp. 34-41, 2007.
- Dehuri, S., "Computational Intelligence in Wireless Sensor Networks", *Siddhant: A Journal of Decision Making*, vol. 7, no. 2, pp. 42-47, 2007.
- Dehuri, S., Mall, R. "Predictive and Comprehensible Rule Discovery Using A Multi-Objective Genetic Algorithm", *Knowledge Based System*, vol. 19, pp: 413-421, 2006 (SCI).
- Dehuri, S., Mohapatra, C., Ghosh, A., and Mall, R., "A Comparative Study of Clustering Algorithms", *Information Technology Journal*, vol. 5, no. 3, pp. 551-559, 2006.
- Dehuri, S., Ghosh, A., Mall, R., "Genetic K-Medoid Clustering", *ICFAI Journal of Information Technology*, vol. 2, no. 1, pp.17-28, 2006.
- Dehuri, S., Rath, A. K., and Mall, R., "Improved K-medoid Data Clustering for Medical Domain", *The ICFAI Journal of Systems Management*, vol. 4, no. 1, pp. 19-29, 2006.
- Dehuri, S., "Evolutionary Algorithms for Optimizing Multiple Criteria for Knowledge Discovery in Databases", *ANEVESA-A Special Issue on Information and Communication Technology*, vol. 1, no-2, pp. 1-21, 2006.

Dehuri, S., "Genetic Programming and its Multi-dimensional Applications: A Survey", ICFAI Journal of Information Technology, vol. 2, no. 2, pp. 28-43, 2006.

Dehuri, S., Jagadev, A. K., Ghosh, A. and Mall, R., "Multi-objective Genetic Algorithm for Association Rule Mining Using a Homogeneous Dedicated Cluster of Workstations", American Journal of Applied Science, vol. 3, no. 11, pp. 2086-2095, 2006.

Dehuri, S., Rout, N. K., Ghosh, A. and Mall, R., "Data Clustering Using Parallel Genetic Algorithm", Journal of Information Technology, 2006 (Accepted).

Dehuri, S., Ghosh, A., and Mall, R., "Genetic Algorithm for Multi-criterion Classification and Clustering in Data Mining", International Journal of Computing and Information Sciences, vol.4, no.3, pp. 143-155, 2006.

Dehuri, S., Jagadev, A. K., Rout, N. K. and Mall, R. "Wavelet Transform and Neural Networks for Dimensionality Reduction and Pattern Classification in Data Mining" ICFAI Journal of Science & Technology, vol. 2, no. 1, pp. 49-58, 2005.

Rath, A. K. and Dehuri, S. "Non-Dominated Sorting Genetic Algorithms for Heterogeneous Embedded System Design", Journal of Computer Science, vol. 2, no. 3, pp.288-291, 2005.

Dehuri, S. and Ghosh, A. "Evolutionary Algorithms for Multi-criterion Optimization: A Survey." International Journal on Computing and Information Sciences, Vol. 2, No. 1., pp. 38-57, 2004.

Proceeding

Dehuri, S., Roy, R., and Cho, S.-B., "An Adaptive Binary PSO to Learn Bayesian Classifier for Prognostic Modeling of Metabolic Syndrome", GECCO (companion) 2011, pp. 495-502, July 12-16, 2011, Dublin, Ireland.

Roy, R., Das, M., and Dehuri, S., "A Combinatorial Multi-objective PSO based Algorithm for Task Allocation in Distributed Computing Systems", in Proceedings of International Conference on Advances in computing and Communications (ACC 2011), July 22-24, Kochi, Kerala, INDIA.

Mishra, B. S. P., Addy A. K., Roy, R., and Dehuri, S., "Parallel Multi-objective Genetic Algorithms for Associative Classification Rule Mining", In Proceedings of International conference on Communication, Computing and Security (ICCCS 2011), (ACM Press), pp. 409-414, 2011, Rourkela, INDIA.

Dehuri, S. and Das, M. N., "Optimal Land Use Management Using Multi-objective Particle Swarm Optimization", In Proceedings of International conference on Computing Communication and Networking Technologies (I3CNT'10), Kathamandu, Nepal, 2010.

Mishra, B. S. P., Addy, A. K., Dehuri, S., and Cho, S.-B., "An Empirical Study on Parallel Multi-objective Genetic Algorithms: 0/1 Knapsack Problem-A Case Study", In Proceedings of 3rd International Conference on Computational Intelligence and Industrial Application (PACIIA'2010), Wuhan, China (IEEE Press), 2010.

Rao, B. T., Dehuri, S., Dileep, M., and Vindhya, A., "Swarm Intelligence for Optimizing Hybridized Smoothing Filter in Image Edge Enhancement", In Proceedings of SEMCCO 2010, Springer.

- Devi, S., Jagadev, A. K., Dehuri, S., Mall, R., "A Fresh Particle Swarm Optimizations: A Position Paper", In IEEE Proceedings of International Symposium on Biologically Inspired Computing and Applications (BICA'2009), Bhubaneswar, INDIA.
- Pradhan, L., Mohapatra, B. B., Dehuri, S., and Panda, A. K., "E-Agriculture: A Golden Opportunity for Indian Farmers", 4th Conference on Recent Technologies in Agriculture, 3 5 Nov., 2009, Cairo, Egypt.
- Dehuri, S., Nanda, B. K., and Cho, S.-B., "A Hybrid APSO-aided Learnable Bayesian Classifier", In Proceedings of Indian International Conference on Artificial Intelligence, Dec. 16-18, 2009, Tumkur, INDIA.
- Mishra, B. S. P., Das, M. N., and Dehuri, S., "The Divergence of Parallel Effectiveness between Two Models of Parallel Genetic Algorithms on a PC Cluster System", In Proceedings of IEEE International Advance Computing Conference (IACC'09), March 06-07, 2009, Patiala, INDIA.
- Swetanisa, S., Mishra, B. S. P., and Dehuri, S., "An Evolutionary MOA to solve 0/1 Knapsack Problem", In Proceedings of International Conference on Computer and Network Technology (ICCNT'09), June 27-29, 2009, Chennai, INDIA.
- Mishra, P., Mishra, B. S. P., and Dehuri, S., "Eccentric Test Data Generation for Path Testing Using Genetic Algorithm", In Proceedings of International Symposium on Computing, Communication and Control (ISCCC'09), October 9-11, 2009, Singapore.
- Mishra, M., Bhuyan, P., Mishra, B. S. P., and Dehuri, S., "A Survey of Task Scheduling Algorithms in Grid Computing", NCESA'09, INDIA.
- Pradhan, L., Mohapatra, B. B., Dehuri S., and Panda, A. K., "A Differential Evolution Approach for Multiple Campaign Assignment Problem to Enhance E-readiness of a Nation", In Proceedings of ICUIMC'2009, Suwon, South Korea (ACM Press).
- Dehuri, S., Misra, B. B., and Cho, S.-B., "A Notable Swarm Approach to Evolve Neural Network for Classification in Data Mining", ICONIP 2008, New Zealand. (to appear in LNCS Springer Verlag)
- Dehuri, S., Misra, B. B., and Cho, S.-B. "Genetic Feature Selection for Optimal Functional Link Artificial Neural Network in Classification", In C. Fyfe et al. (Eds.): IDEAL 2008, LNCS 5326, pp. 156-163, 2008.
- Dehuri, S. and Cho, S.-B., "Multi-objective Classification Rule Mining Using Gene Expression Programming", In Proceedings of International Conference on Convergence and Hybrid Information Technology (ICCIT'2008), Vol. II, IEEE Computer Society Press, pp.754-760, 2008.
- Dehuri, S., Cho, S.-B., and Ghosh, A., "Wasp: A Multi-agent System for Multiple Recommendations Problem", In Proceedings of 4th International Conference on Next Generation Web Services and Practices (NWeSP 2008), IEEE Computer Society Press, pp. 159-166, 2008.
- Dehuri, S. and Cho, S.-B., "Honey Bee Behavior: A Multi-agent Approach for Multiple Campaign Assignment Problem", In Proceedings of the International Conference on Information Technology, IEEE Computer Society Press, Bhubaneswar, India, pp. 24-29, 2008.

- Dehuri, S. and Cho, S.-B., "A Novel Particle Swarm Optimization for Multiple Campaign Assignment Problem", In Proceedings of International Conference on Soft Computing as Transdisciplinary Science and Technology (CSTST 2008), ACM Press, pp. 317-324, 2008.
- Mishra, B. S. P., Das, M., Jagadev, A. K., and Dehuri, S., "Parallel Genetic Algorithms for Supervised Feature Selection in Data Mining", Proceedings of International Conference of Systemic, Cybernetics and Informatics, Hyderabad, January 2008.
- Misra, B. B., Dehuri, S., Dash, P.K., and Panda, G., "Reduced Polynomial Neural Swarm Net for Classification Task in Data Mining", Proceedings of IEEE World Congress on Computational Intelligence (WCCI 2008), Hong Kong, June 2008 (Accepted).
- Mishra, B. B., and Dehuri, S., "Evolving Swarm Net for Pattern Classification", Proceedings of the National Conference on Recent Advances and Future Trends in Information and Communication Technology, H. Kalia and S. Dehuri (Eds.), India Tech Publisher, New Delhi, pp. 271-281, 2008.
- Kalia, H., and Dehuri, S., "Finding Interpretable Fuzzy Classification Rule: A Study", Proceedings of the National Conference on Recent Advances and Future Trends in Information and Communication Technology, H. Kalia and S. Dehuri (Eds.), India Tech Publisher, New Delhi, pp. 283-287, 2008.
- Dehuri, S. and Rath, B. K., "gbest Multi-swarm for Multi-objective Rule Mining", Proceedings of National Conference on Advance Computing, March 22-23, Tezpur University, 2007.
- Mishra, B. S. P., Das, M. N. and Dehuri S., "Evolutionary Data Mining", Proceedings of National Conference on Current Trends of Information Technology, pp. 157-162, SCITECH Publisher, INDIA 2007.
- Panda, A. and Dehuri, S., "Bi-clustering for Microarray Data: A Short and Comprehensive Tutorial" Proceedings of National Conference on Current Trends of Information Technology, pp. 163-168, SCITECH Publisher, INDIA 2007.
- Mishra, B. S. P., Das, M. N. and Dehuri S., "A Gentle Introduction to Parallel Genetic Algorithms", Proceedings of the National Conference on Computational Intelligence and its Applications, S. Dehuri (Eds.), pp. 83-90, 2007.
- Kalia, H., and Dehuri, S., "A General Impression on Evolutionary Algorithms", Proceedings of the National Conference on Computational Intelligence and its Applications, S. Dehuri (Eds.), pp. 114 -122, 2007.
- Dehuri, S., "Some Research Directions of Particle Swarm Optimization and Genetic Algorithms for Data Mining", Proceedings of International Conference on Advanced Computing and Communication Technologies, Nov. 03-04, India, 2007.
- Mishra, B. B., Dehuri, S., Dash, P. K., Panda, G., "Gene Expression Programming In Rule Mining: A Novel Classifier", Proceedings of INDO-US International Symposium on Data, Information & Knowledge Spectrum (ISDIKS'07), Dec. 13-15, 2007.
- Dehuri, S., Mishra, B. B., and Rath, A. K., "A Short Report on Soft Computing and its Applications", Proceedings of the National Conference on Soft Computing

- (NCSC'07), S. Dehuri (Eds.), pp. 1-5, 2007.
- Mishra, B. B., Pradhan, S., and Dehuri, S., "Genetic Algorithms: A Heuristic Tool for Subset-Sum Problem", Proceedings of the National Conference on Soft Computing (NCSC'07), S. Dehuri (Eds.), pp. 9-15, 2007.
- Kalia, H., and Dehuri, S., "Multi-objective Fuzzy Classification Rule Mining Using Genetic Algorithms: A Study", Proceedings of the National Conference on Soft Computing (NCSC'07), S. Dehuri (Eds.), pp. 20-24, 2007.
- Mishra, B. B., and Dehuri, S., "Impact of Training Sets on Classification: A Case Study Using Parzen Window", Proceedings of the National Conference on Soft Computing (NCSC'07), S. Dehuri (Eds.), pp. 84-89, 2007.
- Dehuri S., Ghosh A., Mall, R., "Partition Based Data Clustering Using Parallel Genetic Algorithm", Proceedings of International Conference on Systemic, Cybernetics and Informatics, Jan 4-6, 2006, Hyderabad, India.
- Senapati M. R., Pattanayak, P. K., Dehuri, S. N., Panda G., Dash, P.K., "A Genetic Programming Approach for Training Radial Basis Function Neural Network", Proceedings of International Conference on Systemic, Cybernetics and Informatics, Jan 4-6, 2006, Hyderabad, India.
- Dehuri, S., Ghosh A., and Mall, R., "Particles' with Age for Data Clustering", IEEE Proceedings of International Conference on Information Technology, Dec. 18-21, Bhubaneswar, 2006.
- Mishra, B. S. P., and Dehuri S., "An Evolutionary Framework for Data Mining", Proceedings of Graduate Research Workshop, December 23, 2006, Bhubaneswar.
- Panda A., and Dehuri S., "Bridging the Gap of Biology and Information Technology", Proceedings of Graduate Research Workshop, December 23, 2006, Bhubaneswar.
- Dehuri S., Ghosh A., Mall, R., "Parallel Multi-Objective Genetic Algorithm for Classification Rule Mining" Proceedings of 13th International Conference on Advance Computing and Communications, Dec. 15-18, 2005, Coimbatore, India.
- Dehuri, S., Senapati, M.R., Jagadev, A.K., Mall, R., "A Probabilistic Approach to Scalable C-means Algorithm for Clustering Large Dataset", Proceedings of International Conference on Systemic, Cybernetics and Informatics, Jan 6-9, 2005, Hyderabad, India.
- Rath, S.P., Dehuri, S., Mall, R., "A Neural Network View of Wavelet Based Bayesian Classifier", Proceedings of International Conference on Systemic, Cybernetics and Informatics, Jan 6-9, 2005, Hyderabad, India.
- Dehuri, S., Mall, R., "A Scalable Bayesian Classifier for Large Databases", Proceedings of International Conference of Science, Technology and Management, New Delhi, July-24-26, 2005.
- Kamila, N. K., Pattnaik, P.K., Dehuri, S., Mall, R., "An Energy Saving Master Routing Protocol for Mobile Ad-hoc Networks", Proceedings of International Conference of Science, Technology and Management, New Delhi, July-24-26, 2005.

Dehuri, S., Rath, A.K., "Multi-objective Genetic Algorithm (MOGA) for Embedded System Design", Proceedings of International Conference on Systemic, Cybernetics and Informatics, pp: 95-97, vol.-I, Feb12-15, 2004, Hyderabad, India.

Dehuri, S., Rath, A.K., "Non-dominated Sorting Genetic Algorithms for Heterogeneous Embedded System Design", Proceedings of International Conference on Intelligent Sensing and Information Processing, pp: 46-50, 2004 Chennai, India.

Dehuri, S., Rath, S. P., Mall, R., "A Variation of QuickSort: BinarySort", Proceeding of International Conference on Soft Computing, 28 -29th May 2004, Chennai, India.

Dehuri, S., Mall, R., "Mining Predictive and Comprehensible Rules Using A Multi-objective Genetic Algorithm", Proceedings of 12th International Conference on Advance Computing and Communications, pp. 99-104, 2004, Ahmedabad, India.

Dehuri, S., Rath A.K., Mall, R., "Application of Improved K-mediod Algorithm for Medical Database", Proceedings of AISECT, pp. 122-132, 2004, BHOPAL, India.

Dehuri S., Rath, A.K., Mall, R., "A Multi-Criterion Evolutionary Approach for Classification in Data Mining", Proceedings of International Multi-conference on Knowledge Engineering, USA, 2004.

Dehuri, S. , "Artificial Life", All India Seminar on Applying creativity and System Thinking for Business Innovation, pp. 62-66, Kolkata, 2004.

Dehuri, S., Satpathy, M., Champati Rai, S. "An Intelligent Support System (ISS) For Geographically Scattered Data". All India Seminar on Geographical Information System", pp. 51-55, Orissa, 2004.

Dehuri, S., Rath, A.K., "Vector Evaluated Genetic Algorithm (VEGA) for Embedded System Design", Proceedings of International Conference on Emerging Technology, pp: 48, 2003, Orissa.

Dehuri, S., Rath, A. K., "WTANN for Feature Selection and Classification in Data Mining and Knowledge Discovery", Proceedings of Computer Society of India, Delhi Chapter, 2003.

Barruah, R., Dehuri, S., Mall, R, "Data Warehousing on a Cluster of Workstation", Proceedings of Fifth International Conference on Information Technology, pp. 101-107, Bhubaneswar, Orissa, India, 2002.

CONFERENCES/WORKSHOPS ORGANIZED/Coordinator of National Seminar on Recent Trends in Information and Communication Technology, August 20, 2005 under the aegis of F.M. University, Vyasa Vihar, Balasore with a budget of Rs. NIL.

Convener of National Seminar on Computer Graphics and Multimedia, 2nd February 2007 under the aegis of F.M. University, Vyasa Vihar, Balasore with a budget of Rs.17, 000/-.

Program Chair of National Conference on Computational Intelligence and its Applications, 27th July 2007 under the aegis of F.M. University, Vyasa Vihar, Balasore with a budget of Rs.30, 000/-.

Chairman of Workshop on Soft Computing and its Applications, 23rd to 25th De-

ember 2007 under the aegis of BCET and OITS-Balasure Chapter with a Budget of Rs.1, 20, 000/-.

Coordinator of Workshop on Personal Computer Assembling and Designing of High Speed Computers 8-10 of March 2008 under the aegis of Department of Information and Communication Technology, Fakir Mohan University and OITS-Balasure Chapter with a budget of Rs.14,000/-.

Member of Scientific Committee and Coordinator of National Conference on Recent Advances and Future Trends in Information and Communication Technology (NCRAFICT), 19th January 2008 under the aegis of Department of Computer Science, Seemanta Engineering College, Jharpokharia and Department of Information and Communication Technology, Fakir Mohan University, Vyasa Vihar, Balasure with a budget of Rs.1, 50, 000/-

Program chair of the National Conference entitled Role of Information and Communication Technology in Agriculture on 1st October 2010 under the aegis of Fakir Mohan university, Vyasa Vihar, Balasure with a Budget of Rs.30,000/-Sponsored by U.G.C.

Program Co-Chair of the National Conference on Information and Knowledge Management organized jointly by Department of Information and Communication Technology and Business Management on 12th March 2011 under the aegis of Fakir Mohan University, Vyasa Vihar, Balasure with a Budget of Rs.50,000/- sponsored by U.G.C.

PROFESSIONAL Editorial

Editorial Board Member of Journal of Applied Sciences

Editorial Board Member of Scientific Journals International
(<http://www.scientificjournals.org>)

Editorial Board Member of International Journal of Computing and Information Technology.

Reviewer

International Journal of Computing and Information Science

Journal of Intelligent and Fuzzy Systems

IEEE Transactions on Evolutionary Computation

Intelligent Decision Technologies: An International Journal

Journal of Information Technology

International Journal Information and Decision Making

PreMi 2007

ICIT 2008

IJCNN 2009

Session Chair of ICIT'2006

Session Chair of Graduate Research Workshop 2006.

Program Committee Member of ICIT 2008

DECLARATIONS To the best of my knowledge, I do hereby declare that the information provided above are true.

SIGNATURE
Satchidananda Dehuri