

Curriculum Vitae Of

Dr. Bijan Bihari Misra

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Personal :

Son of Sri Gagan Bihari Misra
Born on 8th July 1962

Education:

Post Doctoral Research

Year 2013-14, AJOU University, South Korea.

Under the Technology Research Program for Brain Science through the National Research Foundation (NRF-2010-0019 949), Ministry of Education, science, & Technology, South Korea, headed by Prof. Sung-Bae cho, yonsei unioversity, South Korea.

Ph. D. (Engineering)

Year 2011, BPUT, Rourkela.

Thesis title: Integration of Swarm and Neuro computing techniques for solving classification task of data mining.

Research area: Data mining

Tools used: Regression, Polynomial Neural Network (PNN), Artificial Neural Network (ANN), Fuzzy System, and Particle Swarm Optimization (PSO)

M.Tech (Computer Science)

Year 2002, SMSCS, Utkal University,

Thesis title: Solving Parabolic Equations in Parallel on Cluster of PCs using MPI

B.Text.(MMFT)

Year 1984, GCTI, Kanpur.

Experience:

Having more than 31 years of industry and teaching experience. Worked for Orissa State Handloom WCS Ltd., Buhbaneswar from Dec. 1984 to Feb. 2002 as Production Officer, for Krupajal Engineering College, Bhubaneswar, from Mar. 2002 to Dec. 2003 as Lecturer, for Silicon Institute of Technology, Bhubaneswar, from Jan 2004 to Dec 2005, as Asst. Prof. and Head for the department of Computer Science & Engineering, Information Technology and Master of Computer Application, for College of Engineering Bhubaneswar, from Jan. 2006 to Aug 2008, as Head for the Department of Computer Science & Engineering and Information Technology. Since Sept. 2008, at the Silicon Institute of Technology, Bhubaneswar, currently working as Sr. Assc. Prof and Dean Research.

Subjects taught:

1. Data Structure
2. Algorithm Design & Analysis
3. Operating Systems
4. Computational Intelligence
5. Parallel Computing

Area of Interest:

1. Data Mining
2. Sensor Network
3. Bioinformatics
4. Computational Intelligence

5. Evolutionary Computation
6. Swarm Intelligence

Projects Handled:

1. Title: Estimation of Physical Properties of Calcined Alumina.
Sponsoring Institution: NALCO, Bhubaneswar
Period: July 2008 to June 2009
Project Cost: Rs. 5 lakhs
Principal Investigator: Dr. A. K. Nayak
Co- Principal Investigators: i. Dr. B. B. Misra
ii. Dr. S. C. Rai.

Conference/Seminar/Workshop conducted/organized

1. Coordinator, Reviewer and Proceeding editor of National Conference on Soft Computing 2007, NCSC-2007, Department of Computer Science Engineering, and Information Technology, College of Engineering, Bhubaneswar.
2. Technical Advisory Chairs and member of Technical Program Committee, International Conference on Advances in Computer, Communication Technology and Applications (ACCTTA-2010), CV Raman College of Engineering, Bhubaneswar, 3-5 August, 2010
3. Coordinator, National Seminar on Software Engineering Latest Trends & Developments (NSSE – 2011), 15 – 16, Jan 2011, Department of Information Technology Silicon Institute of Technology Silicon Hills, Patia, Bhubaneswar 751024 in Collaboration with Orissa Information Technology Society (OITS) and the Indian Science Congress Association (ISCA) (Bhubaneswar Chapter).
4. Advisory Committee, National Seminar on Application Oriented Networking (NSAON – 2012), July 2-3, 2012, organized by Dept of CSE, IT and MCA, Silicon Institute of Technology, Bhubaneswar, in Collaboration with Orissa Information Technology Society (OITS).
5. Advisory Committee, National Seminar on Parallel & Distributed Computing (NSPDC – 2011) July 16, 2011, organized by Dept of CSE, Silicon Institute of Technology, Bhubaneswar, in Collaboration with Orissa Information Technology Society (OITS).
6. Coordinator, of Seminar on Virtualization and Cloud Computing (SVCC – 2012), September 8th, 2012 Department of CSE, IT, MCA, Silicon Institute of Technology, Bhubaneswar, in association with MindTree Ltd., Bangalore.
7. Advisory Committee, Workshop on data warehouse using talend (WDWHT – 2012) May 5-6, 2012, organized by Dept of CSE, IT and MCA, Silicon Institute of Technology, Bhubaneswar, in association with ThoughtSpheres Technologies, USA.
8. Publicity Chair and Technical Program Committee Member for the Track Databases, Information Warehousing and Data Mining (DWM), International Conference on Information Technology ICIT-2014, 22-24 Dec 2014, organized by OITS and SIT Bhubaneswar and Technically sponsored by IEEE CS and IEEE Kolkata Section.

Key note speaker/resource person to Conferences/Seminars/Workshops

1. Talk on “Pattern Classification with Hybrid Polynomial Neural Swarm” on 27.10. 2006, in the National Seminar on “Recent Advances in Computing and Applications” at ABIT, Cuttack.
2. Talk on “Implementation of Soft Computing/Optimization Techniques,” on 18th Jan 2009, in the National Seminar-cum-Workshop on “Advances in Computational and Optimization Techniques and Its Applications,” (ACOTA-09) 16th to 18th Jan 09, organized by C. V. Raman College of Engineering, Bhubaneswar.
3. Talk on “Multi Objective Optimization with Genetic Algorithm,” on 9th July 2011 in the workshop on Numerical Optimization & its Engineering Applications, 7th to 10th July 2011, organized by silicon Institute of Technology, Bhubaneswar.
4. Resource person for topic “Application of Fuzzy Logic to Classification Rule Mining” in the Faculty Development Program (FDP) on “Fundamentals of Fuzzy Logic and its Applications” organized by the Silicon Institute of Technology, Bhubaneswar, and Orissa Information Technology Society (OITS), dt. 22nd Aug 2012.
5. Talk dt.23.08.2014 on “Polynomial Neural Network Algorithm Design, Complexity Analysis and Suggestions for Improvement,” in the National Seminar of Recent Trends in Analysis of Algorithms and Complexity Theory, ABIT, Cuttack, 22-23 August 2014.
6. Talk dt.23.01.2016 on “Machine Learning in Big Data,” in the National Seminar of Recent Trends in Big Data Storage and Cloud Computing, Current State and Future Opportunities (NSRTBDSC-2016), Gandhi Institute for Education and Technology, Bhubaneswar, 22-23 January 2016.
7. Resource Person for one week National Workshop on Machine Learning for Big Data Analysis (MLBDA-2016) from 6th-11th May 2016 at Bhubaneswar, organized by Silicon Institute of Technology, Bhubaneswar.
8. Resource Person on 17.02.2017 for the National Workshop on Data Analytics from 17th-18th Feb 2016 at Dhenkanal, organized by Synergy Institute of Technology, Dhenkanal.

Member in Journal Publishing Committees

1. Advisory Board Members, International Journal of Advanced Computer Research (IJACR), ISSN: 2249-7277.
2. Technical Advisory Chairs, Special Issue of International Journal of Computer and Communication Technology (IJ CCT), ISSN: 0975-7449, Vol. 1, Issue 2-4, 2010

Ph. D. theses supervision

I. Completed

1. Dr. Sarat Chandra Nayak, Regd. No. 11060026, "Financial Time Series Forecasting using Soft Computing Techniques," continuing at Veer Surendra Sai University of Technology (VSSUT), Burla, 2016.
2. Dr. Sushri Samita Rout, "Computational Intelligence for Mapping Academic Competency in Technical Institutes," Co-supervisor: Sasmita Samanta, KIIT University, Bhubaneswar, 2015.

II. Continuing

1. Mrs. Rashmita Dash, Regd. No. 1271012031, SoA University, Bhubaneswar, Date of registration 04.08.2012 (Submitted).
2. Mr. Ranajoy Chatterjee, Biju Patnaik University of Technology, Rourkela, Year of registration 2016.
3. Ms. Chapala Maharana, Biju Patnaik University of Technology, Rourkela, Year of registration 2016.
4. Mr. Dibakar Pradhan, Biju Patnaik University of Technology, Rourkela, Year of registration 2016.
5. Ms. Jayashree Dev, Biju Patnaik University of Technology, Rourkela, Year of registration 2016.

M. Tech. Project Guided

1. Kumar Abhishek, "Intelligent Data Analysis of Transportation Usage Data," Silicon Institute of Technology, Biju Patnaik University of Technology, Rourkela, Orissa, India, 2014-2016.
2. Saroj Kanta Jena, "Credit Analysis using Data Mining Techniques," Silicon Institute of Technology, Biju Patnaik University of Technology, Rourkela, Orissa, India, 2010-2012.
3. Sarat Chandra Nayak, "Index Prediction Using Multilayer perceptron- Genetic Algorithm Hybrid Approach," School of Mathematics, Statistics and Computer Science, Utkal University, 2009-2011.
4. Suwendu Kumar Mohapatra, "A Neural Network Model for Weather Forecasting using Particle Swarm Optimization Technique," IIIT, Bhubaneswar, 2008-10.
5. Seshadri Baral, "Yield Prediction Using Artificial Neural Networks," IIIT, Bhubaneswar, 2008-10.
6. Diptiprava Das, "Data Clustering Using Modified Fuzzy PSO," College of Engineering Technology, Bhubaneswar, BPUT, 2008-10.
7. Mohapatra Girashree Sahu, "Fuzzy Rule Mining for Pattern Classification," College of Engineering Bhubaneswar, 2007-09.
8. Jayashree Dev, "Data Classification using Neuro-genetic Approach," College of Engineering Bhubaneswar, 2007-09.
9. Sovan Kumar Pattnaik, "Designing a optimization technique on Data classification using Neuro-PSO Approach," College of Engineering Bhubaneswar, BPUT, 2007-09.
10. Somya Sahoo, "Clustering Using Particle Swarm Optimization," College of Engineering Bhubaneswar, BPUT, 2007-09.

International Conferences attended overseas:

1. The Multimedia University International Symposium on Information and Communication Technology, (M²USIC) 24th-25th Nov 2005, Malaysia.
2. The IEEE International Conferences on Cybernetics & Intelligent Systems (CIS) and Robotics, Automation & Mechatronics (RAM) (CIS-RAM 2006), 7 - 9 June 2006 in Bangkok, Thailand.
3. The IEEE Congress on Evolutionary Computation (CEC) September 25-28, 2007, Singapore.

Sessions Chaired in International Conferences:

1. The Evolutionary Data Mining session of IEEE Congress on Evolutionary Computation, at Singapore, September 25-28, 2007.
2. Conference and Student Convention of the Computer Society of India, Eastern Regional on "Cloud Computing, Facilitating Collaboration Transformation & Growth" 05-07 March, 2012, at C. V. Raman college of Engineering Bhubaneswar.
3. The Nature Inspired Optimization session of 2nd IEEE World Congress on Information and Communication Technologies (WICT2012), Oct 30-Nov 02, 2012, Indian Institute of Information Technology and Management- Kerala (IIITM-K)
4. The Innovation in Computing & Simulation session of 2nd International Conference on Computational Intelligence in Data Mining (ICCIDM-2015), 5th-6th Dec 2015, Hotel Suryansh Bhubaneswar.

5. The 5th session of the 14th International Conference on Information Technology (ICIT-2015), 21st -23rd Dec 2015, Xavier Institute of Management, Xavier University, Bhubaneswar.

Professional affiliation:

1. Member of IEEE
2. Life member of CSI
3. Life member of ISTE
4. Life member of OITS

Publication:

I. Books

i. Edited Books

1. S. Dehuri, M. R. Patra, B. B. Misra, and A. K. Jagadev (Eds.), Intelligent Techniques in Recommendation Systems: Contextual Advancements and New Methods, DOI: 10.4018/978-1-4666-2542-6, ISBN13: 9781466625426, ISBN10: 1466625422, EISBN13: 9781466625433, IGI Global Snippet, 2012.
2. B. B. Misra, S. Dehuri, B. K. Panigrahi, and A. K. Nayak (Eds.), Computational Intelligence in Sensor Networks, Springer, (in process).

II. Monographs

1. B. B. Misra, P. K. Dash, G. Panda, Neuro-Swarm Techniques for Classifier Design: Concepts, Models, Methods and Algorithms, Lambert Academic Publishing, Germany, ISBN: 978-3-659-11439-7 (2012).

III. Book Chapters

1. B. B. Misra, P. K. Dash, and G. Panda, "Optimized polynomial fuzzy swarm net for classification," in S. Dehuri, and S. B. Cho (eds), Knowledge Mining Using Intelligent Agents, Vol. 6, Advances in Computer Science and Engineering: Texts, pp. 259-295, Imperial College Press, 2010.
2. B. B. Misra, P. K. Dash, and G. Panda, "Evolution of neural network and polynomial network," in S. Dehuri, and S. B. Cho (eds), Knowledge Mining Using Intelligent Agents, Vol. 6, Advances in Computer Science and Engineering: Texts, pp. 61-98, Imperial College Press, 2010.
3. B. B. Misra, P. K. Dash, and G. Panda, "Efficient Classifier Design with hybrid Polynomial Neural Network" in S. Dehuri, et al. (eds), Integration of Swarm Intelligence and Artificial Neural Network, series in Machine Perception and Artificial Intelligence, vol-78, pp. 179-212, World Scientific, 2011.
4. S. C. Nayak, B. B. Misra & H. S. Behera, "Adaptive Hybrid Higher Order Neural Networks for Prediction of Stock Market Behaviour", in Ming Zhang (eds), Applied Artificial Higher Order Neural Networks for Control and Recognition, IGI Global, 2016.
5. [B2] S. C. Nayak, B. B. Misra & H. S. Behera, "Improving Performance of Higher Order Neural Network using Artificial Chemical Reaction Optimization: A Case Study on Stock Market Forecasting", in Ming Zhang (eds), Applied Artificial Higher Order Neural Networks for Control and Recognition, IGI Global, 2016.

IV. International Journals (Published)

1. B. B. Misra, S. Dehuri, "Functional Link Artificial Neural Network for Classification Task in Data Mining," J. Computer Sci., 3 (12): 948-955, 2007.
2. B. B. Misra, S. Dehuri, G. Panda, P.K. Dash, "Fuzzy Swarm Net (FSN) for Classification in Data Mining," the CSI Journal on Computer Science and Engineering, Vol. 5, No. 2&4(b), pp. 1-8, 2007.
3. B. B. Misra, S. Dehuri, G. Panda, P.K. Dash, "A Reduced Comprehensible Polynomial Neural Network for classification in Data Mining," Pattern Recognition Letters, Volume 29, Issue 12, 1, pp 1705-1712, September 2008.
4. S. C. Satapathy, J. V. R. Murty, P. Reddy, B. B. Misra, P. K. Dash, G. Panda, "Particle Swarm Optimized Multiple Regression Linear Model for Data Classification" Applied Soft Computing, Volume 9, Issue 2, March 2009, Pages 470-476.
5. S. Mishra, B. B. Misra, "Diagnosis of Breast Cancer with Linear Polynomial Swarm," International Journal of Advanced Computing (IJAC) vol. 2, issue 1, pp. 32- 39, Jan 2010.
6. S. C. Rai, B. B. Misra, A. K. Nayak, R. Mall, and S. K. Pradhan, " A Multi-Objective QoS Optimization with Fuzzy based parameter setting for real time multicasting," International Journal of Communications, Network and System Sciences, vol. 3, pp. 530-539, June 2010.

7. B. B. Misra, S. Dehuri, A. Ghosh, and S.-B. Cho, "A Condensed Polynomial Neural Network for Classification Using Swarm Intelligence," *Applied Soft Computing Journal*, Elsevier Science, vol. 11, issue 3, April 2011, pp. 3106-3113.
8. B. K. Nayak, S. C. Rai, and B. B. Misra, "A High Connectivity Routing for Diminishing Cluster Size in Wireless Sensor Network," *Special issue of International Journal of Computer Science and Informatics (IJCSI)*, ISSN: 2231-5292, vol. 2, issue 3, March 2012, pp. 1-7.
9. D. Pradhan, and B. B. Misra, "Mining Coherent Patterns from Heterogeneous Microarray Data," *Special issue of International Journal of Computer Science and Informatics (IJCSI)*, ISSN: 2231-5292, vol. 2, issue 3, March 2012, pp. 48-54.
10. R. K. Swain, N. K. Kamila, and B. B. Misra, "Visualization of Human Foreseeability: An analytical study," *Special issue of International Journal of Computer Science and Informatics (IJCSI)*, ISSN: 2231-5292, vol. 2, issue 3, March 2012, pp. 19-26.
11. S. C. Nayak, H. S. Behera, and B. B. Misra, "Stock Index Prediction with Neuro-Genetic Hybrid Techniques," *Special issue of International Journal of Computer Science and Informatics (IJCSI)*, ISSN: 2231-5292, vol. 2, issue 3, March 2012, pp. 27-34.
12. S. K. Jena, and B. B. Misra, "Impact of Data Distribution and Training Size on Classifier Design: A case study," *Special issue of International Journal of Computer Science and Informatics (IJCSI)*, ISSN: 2231-5292, vol. 2, issue 3, March 2012, pp. 89-95.
13. S. Das, and B. B. Misra, "Analysis of Approximation Capability of FLANN with different functional expansions: Stock Index Prediction a Case Study," *Special issue of International Journal of Computer Science and Informatics (IJCSI)*, ISSN: 2231-5292, vol. 2, issue 3, March 2012, pp. 60-66.
14. S. C. Nayak, B. B. Misra and H. S. Behera, "Impact of Data Normalization on Stock Index Forecasting," *International Journal of Computer Information Systems and Industrial Management Applications (IJCISIM)*, ISSN-2150-7988, Vol. 6 (2014) pp. 257 – 269.
15. S. C. Nayak, B. B. Misra, H. S. Behera, "A Neuro-Fuzzy Hybrid Network for Stock Future Index Forecasting," *International Journal of Computer Science And Technology (IJCT)*, ISSN : 2229-4333, Vol. 5, Issue Spl - 2, Jan - March 2014.
16. S. S. Rout, B. B. Misra and S. Samanta, "Load Allocation in Academic Environment: A Multi Objective PSO Approach," *GSTF International Journal on Computing (JoC)*, Springer, DOI 10.7603/s40601-013-0036-7, Vol.3, No.4, April 2014.
17. Rasmita Dash, Bijan Bihari Misra, " Analysis Two Stage Feature Selection for Classification of Microarray Databases," *European Journal of Academic Essays*, ISSN: 2183-1904, Special Issue (1): pp. 18-26, 2014
18. Lokanath Satapathy, Bijan B. Misra, Bhabendra N. Biswal, "SFLANN for Classification of Life Science Databases," *European Journal of Academic Essays*, ISSN: 2183-1904, Special Issue (1): pp. 9-17, 2014
19. Sushri Samita Rout, Bijan Bihari Misra, Sasmita Samanta, "Hybrid Research: A methodological paradigm for interdisciplinary research," *European Journal of Academic Essays*, ISSN: 2183-1904, Special Issue (1): pp. 5-8, 2014
20. S. C. Nayak, B. B. Misra, H. S. Behera, "Soft and Evolutionary computing Techniques for stock Market Forecasting: A Survey," *European Journal of Academic Essays*, ISSN: 2183-1904, Special Issue (1), 2014.
21. S. C. Nayak, B. B. Misra, H. S. Behera, "Exploration and Incorporation of Virtual Data Position for Efficient Forecasting of Financial Time Series," *International Journal of Industrial and Systems Engineering*, Inderscience Publishers, 2014.
22. S. C. Nayak, B. B. Misra, H. S. Behera, "Artificial Chemical Reaction Optimization of Neural Networks for Efficient Prediction of Stock Market Indices," *Ain Shams Engineering Journal*, 2015.
23. S. C., Nayak, B. B., Misra, and H. S., Behera, 'An adaptive second order neural network with genetic algorithm based training (ASONN-GA) to forecast the closing prices of the stock market, *Int. Journal of Applied Metaheuristic Computing*, IGI Global, vol. 7, Article 3, 2015.
24. S. C., Nayak, B. B., Misra, and H. S., Behera, 'Fluctuation prediction of stock market index by adaptive evolutionary higher order neural networks', *Int. Journal of Swarm Intelligence*, Inderscience, (accepted) 2016.
25. S. C. Nayak, B. B. Misra, and H. S. Behera, (2016), 'Efficient forecasting of financial time series data with virtual adaptive neuro-fuzzy inference system', *Int.J. of Bussiness Forecasting and Marketing Intelligence*, Inderscience, (Accepted), 2016.
26. Dash, R., Misra, B.B, Dehuri, S., Cho, S.B., "Efficient Microarray Data Classification with Three-Stage Dimensionality Reduction", *Advances in Intelligent Systems and Computing*, 308(1), pp. 805-812, 2015, ISSN-1615-3871, SJR-0.15, Spinger Verlag
27. Dash, R., Misra, B.B, "Reduction combination determination for efficient microarray data classification with three stage dimensionality reduction approach", *Smart Innovation, Systems and Technologies*, 32, pp. 695-703, 2015 ,ISSN: 2190-3018, SJR-0.15, Spinger Verlag
28. Jena, M., Dash, R., Misra, B. B. , "Biological data analysis using hybrid functional link artificial neural network ", *Source of the Document Lecture Notes in Computer Science (including subseries Lecture Notes in*

Artificial Intelligence and Lecture Notes in Bioinformatics),947, pp. 88-97,2015, ISSN: 0302-9743, SJR-0.339, Springer Verlag

29. Dash, R., Misra, B.B, "Gene Selection and Classification of Microarray data: A Pareto DE Approach", *Intelligent Decision Technologies*,(ACCEPTED), ISSN: 18758843, 18724981 , SJR-0.18, IOS Press.
30. Dash, R., Misra, B.B, "Microarray Gene Selection: A Bi-objective Pareto based Approach", *European Journal of Scientific Research*, (ACCEPTED), ISSN:1450-216X/1450-202X, SJR-0.13,European Journal Inc.
31. R. Dash, B. B. Misra, "Pipelining the Ranking Techniques for Microarray Data Classification: A case study," *Applied Soft Computing*, 2016.

I. National Journals (Published)

1. B. B. Misra, S. Dehuri, "A Novel Stranger Sociometry Particle Swarm Optimization (S2PSO)", the *Icfai Journal of Computer Science*, vol. 1, No. 1, pp17-23, July, 2007.

II. International Conference papers

1. B. B. Misra, S. C. Satapathy, P. K.Dash, G. Panda, "Polynomial Neural swarm Classifier" in *Multimedia University International Symposium on Information and Communication Technology*, 24th-25th Nov 2005, Malaysia.
2. B.B.Misra, S. C. Satapathy, S. Dehury, P. K. Dash, "A Fast and Efficient Genetic Algorithm for Data Clustering" in *International Conference on Systemic, Cybernetics and Informatics*, 4th-8th Jan, 2006, Hyderabad.
3. B.B.Misra, S. C. Satapathy, B. Biswal, P. K. Dash, G. Panda, "Pattern Classification using Polynomial Neural Network" *IEEE International Conferences on Cybernetics & Intelligent Systems (CIS) and Robotics, Automation & Mechatronics (RAM) (CIS-RAM 2006)*,7 - 9 June 2006 in Bangkok, Thailand.
4. B. B. Misra, S. C. Satapathy, N. Hanoon, P.K.Dash, G.Panda,"Particle Swarm Optimized Polynomials for Data Classification", *IEEE International Conference on Intelligent Systems Design and Applications(ISDA'06)* 16-19 Oct 2006 in Jinan, China.
5. S. C. Satapathy, B.B.Misra, S. Dehury, P. K. Dash, "Swarm Intelligent Multiple Regression Pattern classifier" in *International Conference on Systemic, Cybernetics and Informatics*, 3th-7th Jan, 2007, Hyderabad.
6. B. B. Misra, P. K. Dash, G.Panda, "Pattern Classification using Local Linear Wavelet Neural Network," *IEEE International Conference on Information and Communication Technology(ICICT 2007)* 7-9 March 2007, Dhaka, Bangladesh.
7. S. C. Satapathy, V. Katari, R. Parinmi, S. Malireddi, V. N. K. Srujan, B. B. Misra, J. V. R. Murty, " A new approach of integrating PSO & improved GA for Clustering with parallel and transitional technique," *3rd International Conference on Natural Computation (ICNC'07)*, 24-27, Aug-07, Haikou, China.
8. B. B. Misra, B. N. Biswal, G. Panda, P. K. Dash,"Simplified Polynomial Neural Network for Classification Task in Data Mining," *IEEE Congress on Evolutionary Computation* September 25-28, 2007, Singapore.
9. B. B. Misra, S. Dehuri, P. K.Dash, and G. Panda, "Reduced Polynomial Neural Swarm Net for Classification Task in Data Mining," *IEEE World Congress on Computational Intelligence*, June 1-6, 2008, Honkong.
10. B. B. Misra, S. Dehuri, and S.-B. Cho, "Genetic Feature Selection for Optimal Functional Link Artificial neural Network in Classification", *9th International Conference on Intelligent Data Engineering and Automated Learning*, Nov 2-5, 2008, Korea, C. Fyfe et al. (Eds.): *IDEAL 2008,Lecture Notes in Computer Science (LNCS) 5326*, pp. 156–163, © Springer-Verlag Berlin Heidelberg 2008.
11. B. B. Misra, P. K. Dash, G. Panda, "Polynomial Neural Fuzzy Swarm Net for Pattern Classification," *17th International Conference on Computing (CIC 2008)* 3-5 Dec 2008 Mexico.
12. S. Mishra, B. B. Misra," Linear Polynomial Swarms for Aid to the Physicians Efforts in Proper Diagnosis of Breast Cancer" *International Conference on Advanced Computing Technologies (ICACT 2008)*, Dec 26-27, 2008, Hyderabad, India.
13. B. B. Misra, S. Dehuri, and S.-B. Cho, "A Notable Swarm Approach to Evolve Neural Network for Classification in Data Mining", *ICONIP 2008*, New Zealand.
14. S. Mishra, B. B. Misra, "Diagnosis of Breast Cancer with Linear Polynomial Swarms," *Second International Conference on Data Management (ICDM2009)*, 10-11, Feb, 2009, N. Delhi, India.
15. B. B. Misra, P. K. Dash, G. Panda, "Optimal Polynomial Fuzzy Swarm Net for Handling Data Classification Problems," *IEEE International Advance Computing Conference (IACC'09)* on March 6-7, 2009, Patiala, India.
16. S. C. Rai, B. B. Mishra, A. K. Nayak, R. Mall, and S. Pradhan,"A Multi-Objective Pareto-Optimal Genetic Algorithm for QoS Multicasting," *IEEE International Advance Computing Conference (IACC'09)* on March 6-7, 2009, Patiala, India.
17. A. K. Nayak, S. C. Rai, B.K. Satapathy, V. Krishna Kumari, and B. B. Misra, "Estimation of physical properties of Calcined-Alumina using Swarm Evolved Neural Net," *IEEE International Symposium on Biologically Inspired Computing And Applications (BICA-2009)* Bhubaneswar, India Dec. 21-22, 2009.
18. A. K. Nayak, B. B. Misra, and S. C. Rai, "Energy Efficient Adaptive Sensing Range for Sensor Network," *IEEE International Conference on Energy, Automation and Signal (ICEAS-2011)*, 28-30th Dec. 2011.

19. S. C. Nayak and B. B. Mishra, "A Neuro-Genetic Technique for Index Prediction," Internal Symposium on Computing Control & Applications (ISCCIA-2011) , Bhubaneswar College of Engineering, India, 23-25 Dec,2011.
20. S. C. Nayak, B. B. Misra, and H. S. Behera, "Index Prediction with Neuro-Genetic Hybrid Network: A Comparative Analysis of Performance," International Conference on Computing, Communication and Applications (ICCCA – 2012), PSNA College of Engineering and Technology, Dindigul (near Madurai), Tamilnadu, India, 22 - 24 February, 2012.
21. B. K. Nayak, S. C. Rai, and B. B. Misra, "A High Connectivity Cluster Routing for Energy-Balanced Wireless Sensor Network," International Conference on Computing, Communication and Applications (ICCCA – 2012), PSNA College of Engineering and Technology, Dindigul (near Madurai), Tamilnadu, India, 22 - 24 February, 2012.
22. R. K. Swain, N. Kamila, and B. B. Misra, "Swarm Intelligence to Estimate Human Foreseeability," International Conference on Computing, Communication and Applications (ICCCA – 2012), PSNA College of Engineering and Technology, Dindigul (near Madurai), Tamilnadu, India, 22 - 24 February, 2012.
23. R. Dash, B. B. Misra, P. K. Dash, and G. Panda, "Greedy Polynomial Neural Network for Classification Task in Data Mining," Second IEEE World Congress on Information and Communication Technologies (WICT 2012), IIITM-Trivandrum, Kerala, India, October 30- November 02, 2012.
24. S. S. Rout, B. B. Misra, and S. Samanta, "Competency mapping in academic environment: A multi objective approach," Second IEEE World Congress on Information and Communication Technologies (WICT 2012), IIITM-Trivandrum, Kerala, India, October 30- November 02, 2012.
25. S. C. Nayak, B. B. Misra, and H. S. Behera, "Evaluation of Normalization Methods on Neuro-Genetic Models for Stock Index Forecasting," Second IEEE World Congress on Information and Communication Technologies (WICT 2012), IIITM-Trivandrum, Kerala, India, October 30- November 02, 2012.
26. R. K. Swain, N. Kamila, and B. B. Misra, "Recognition of the State of Mind using Hamming Swarm Net," Second IEEE World Congress on Information and Communication Technologies (WICT 2012), IIITM-Trivandrum, Kerala, India, October 30- November 02, 2012.
27. B. B. Misra, A. K. Nayak, and S. C. Rai, "Achieving Energy Efficiency by Self-adjusting Sensing Range and Positioning in Wireless Sensor Networks," Second IEEE World Congress on Information and Communication Technologies (WICT 2012), IIITM-Trivandrum, Kerala, India, October 30- November 02, 2012.
28. S. C. Nayak, B. B. Misra and H. S. Behera, "Hybridizing Chemical Reaction Optimization with Artificial Neural network for Stock Future Index Forecasting," International Conference on Emerging Trends and Applications in Computer Science (ICETACS-2013), Shillong, Meghalaya, 13-14 Sept. 2013.
29. S. C. Nayak , B. B. Misra & H. S. Behera, "An evolutionary neural network model for financial time series forecasting", AICTE sponsored national conference on soft computing: A panorama of possibilities, 1-2 June 2013, NIIS, Bhubaneswar.
30. R. Dash, B. B. Misra, S. Dehuri, and S.-b. Cho, "Efficient Microarray Data Classification with Three Stage Dimensionality Reduction," International Conference on Intelligent Computing, Communication & Devices (ICCD-2014), 18th and 19th April 2014, ITER, Bhubaneswar, 2014.
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