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RESEARCH INTERESTS

- ✓ Software Reliability
- ✓ Soft Computing

Academic Qualifications

- ✓ Ph.D. (Computer Science), Continuing, Utkal University, Bhubaneswar, India
- ✓ M. Tech. (Computer Science), Silicon Institute of Technology, BPUT, India
- ✓ MCA, Regional Engineering College, Rourkela, India

Teaching Experience/Industrial Experience/Research Experience

- ✓ 15 years teaching experience (Silicon Institute of Technology, Bhubaneswar, India)
- ✓ 6 years teaching experience. (Bhadrak Institute of Engineering & Technology, Bhadrak, India)

PUBLICATIONS

JOURNAL & CONFERENCES

- [1]. C.S.K. Dash, **A.K. Behera**, S. Dehuri, and S-B. Cho, "Differential Evolution Based Optimization of Kernel Parameters in Radial Basis Function Networks for Classification", International Journal Applied Evolutionary Computing, vol.4, issue-1, pp.56-80, 2013.
- [2]. C.S.K. Dash, **A.K. Behera**, S. Dehuri, and S-B. Cho, "A Novel Radial Basis Function Networks Locally Tuned with Differential Evolution for Classification: An Application in Medical Science", International Journal

- of Systems Biology and Biomedical Technologies (IJSBBT),vol.2, no.2, pp.33-57, 2013.
- [3]. C.S.K Dash, **A.K. Behera**, S Dehuri, S-B Cho, GN Wang, "Towards Crafting an Improved Functional Link Artificial Neural Network Based on Differential Evolution and Feature Selection", *Informatica* 39 (2), pp.195-208,2015.
- [4]. C.S.K Dash , **A.K. Behera**, S Dehuri, S-B Cho, "Radial Basis Function Neural Networks: A Topical State-of-the-Art Survey". *Open Computer Science*, 6(1), 33-63,2016.
- [5]. **A.K. Behera**, C.S.K. Dash, and S. Dehuri, "A Brief Review of Accuracy of Classifiers Based on Radial Basis Function Neural Networks", *The IUP Journal of Computer Science*, 7(2). 7-24, 2013.
- [6]. C.S.K. Dash, **A.K. Behera**, M.K. Pandia and S. Dehuri, "Neural Networks Training Based on Differential Evolution in Radial Basis Function Networks for Classification of Web Logs", *International Conference on Distributed Computing and Internet Technology (ICDCIT 2013)*, Springer LNCS, vol.7793, pp.183-194, Bhubaneswar, India,2013.
- [7]. P. Sahoo, **A.K. Behera**, M. K. Pandia, C.S. K. Dash and S. Dehuri, "On the Study of GRBF and Polynomial Kernel Based Support Vector Machine in Web Logs", *1st International Conference on Emerging Trends and Applications in Computer Science (ICETACS),IEEE*, pp.1-5, Meghalaya, India, 2013,ISBN 978-1- 4673-5250-5.
- [8]. **A.K. Behera**, C.S.K. Dash and S. Dehuri, "Classification of Web Logs Using Hybrid Functional Link Artificial Neural Networks ",*Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing theory and Applications(FICTA)2014 Advances in Intelligent Systems and Computing* ,327, ,255-263, Bhubaneswar, India,2014.
- [9]. **A.K. Behera**, S.C. Nayak, C.S.K. Dash, S. Dehuri, & M. Panda, "Improving Software Reliability Prediction Accuracy Using CRO-Based FLANN". *An Innovations in Computer Science and Engineering* pp.213-220, 2019.
- [10]. C.S.K. Dash, **A.K. Behera**, S.C. Nayak, S. Dehuri, S.B. Cho, "An Integrated CRO and FLANN Based Classifier for a Non-Imputed and Inconsistent Dataset." *International Journal on Artificial Intelligence Tools*28.03 (2019): 1950013.
- [11]. C.S.K. Dash, **A.K. Behera**, S. Dehuri, S.B. Cho "Building a novel classifier based on teaching learning based optimization and radial basis function neural networks for non-imputed database with irrelevant features." *Applied Computing and Informatics* (2019).
- [12]. **A.K. Behera**, & M. Panda, M. (2019, December). Software Reliability Prediction with Ensemble Method and Virtual Data Point Incorporation. In *International Conference on Biologically Inspired Techniques in Many-Criteria Decision Making* (pp. 69-77). Springer, Cham.

- [13]. S.C. Nayak, C.S.K Dash, **A.K. Behera**, S. Dehuri, (2020). Improving Stock Market Prediction Through Linear Combiners of Predictive Models. In *Computational Intelligence in Data Mining* (pp. 415-426). Springer, Singapore.
- [14]. C.S.K. Dash, **A. K. Behera**, S. Dehuri, S., & Cho, S. B. (2020). Building a novel classifier based on teaching learning based optimization and radial basis function neural networks for non-imputed database with irrelevant features. *Applied Computing and Informatics*.

ANY OTHER

BOOK CHAPTER

- [1]. C.S.K. Dash, **A.K. Behera**, & S.C.Nayak, "DE-Based RBFNs for Classification with Special Attention to Noise Removal and Irrelevant Features". Hand Book of Research on Modeling, Analysis, and Application of Nature-Inspired Metaheuristic Algorithms, 218, IGI Global, 2017.
- [2] **A. K. Behera**, & M. Panda, (2021). Efficient Software Reliability Prediction With Evolutionary Virtual Data Position Exploration. In *Handbook of Research on Automated Feature Engineering and Advanced Applications in Data Science* (pp. 275-285). IGI Global.
- [3] C.S.K. Dash, **A.K. Behera**, & S.C. Nayak, (2021). 14 Online Clinic Appointment System Using Support Vector Machine. *Cognitive Computing Using Green Technologies: Modeling Techniques and Applications*, 239.