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RESEARCH INTERESTS

✓ Software Reliability

✓ Soft Computing

Academic Qualifications

✓ Ph. D. (Computer Science), 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

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

PUBLICATIONS

JOURNAL & CONFERENCE

- [1]. C.S.K. Dash, **A.K. Behera**, S. Dehuri, and S-B. Cho, "Differential Evolution Based Optimization of Kernel Paramètres 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.



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- [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.
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- [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 Tools28.03 (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.
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- [19]. D.K. Behera, S. Dash, A.K. Behera, C.S.K., Dash. (2021, December). Extreme Gradient Boosting and Soft Voting Ensemble Classifier for Diabetes Prediction. In 2021 19th OITS International Conference on Information Technology (OCIT) (pp. 191-195). IEEE.
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- [21]. A.K. Behera, M. Panda, S.C. Nayak, & C.S.K. Dash, (2022). An Artificial Electric Field Algorithm and Artificial Neural Network-Based Hybrid Model for Software Reliability Prediction. In Computational Intelligence in Data Mining: Proceedings of ICCIDM 2021 (pp. 271-279). Singapore: Springer Nature Singapore.



- [22]. S.C. Nayak, C.S.K. Dash, A.K. Behera, & S. Dehuri, (2022). An Elitist Artificial-Electric-Field-Algorithm-Based Artificial Neural Network for Financial Time Series Forecasting. In Biologically Inspired Techniques in Many Criteria Decision Making: Proceedings of BITMDM 2021 (pp. 29-38). Singapore: Springer Nature Singapore.
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- [25]. C.S.K. Dash, **A.K. Behera**, S. Dehuri & A. Ghosh. (2023). An outliers detection and elimination framework in classification task of data mining. Decision Analytics Journal, 100164.

ANY OTHER

BOOK CHAPTER

- C.S.K. Dash, A.K. Behera, & S.C. Nayak. (2018). 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.
- 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.
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