Judhisthir Dash, Ph.D.

Designation : Associate Professor

Department : Department of Electronics Engineering

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RESEARCH INTERESTS:

- Advanced Signal Processing & Communication;
- Noise & Filtering;
- Intelligent-Computing for Solving Engineering Problems.

Academic Qualifications:

Ph. D. : Jadavpur University, Kolkata, India.

M. E. : R. E. C. Rourkela, Sambalpur University, India.

B.E.: U. C. E. Burla, Sambalpur University, India.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching experience : More than 25 Years
- ✓ Research experience : More than 10 years

PUBLICATIONS

International Journal Published:

[1] A. Pattanayak, A. Acharya, **J. Dash**, "Real time Enhancement using Multi Linear Adaptive Gamma Correction (MLAGC) for Better Night Driving," Journal of Real-Time Image Processing, Springer, vol. 20 (62), pp. 1–21, May 2023.

[2] **J. Dash**, B. Dam, R. Swain, "Design and implementation of sharp edge FIR filters using hybrid differential evolution particle swarm optimization," International Journal of Electronics and Communications (AEÜ), Elsevier, vol. 114, pp. 1–16, Feb. 2020.

[3] **J. Dash**, B. Dam, R. Swain, "Improved firefly algorithm based optimal design of special signal blocking IIR filters," Measurement, Journal of the International Measurement Confederation (IMEKO), Elsevier, vol. 149, pp. 1–12, Jan. 2020.

[4] **J. Dash**, B. Dam, R. Swain, " Implementation of narrow-width automatic digital tuner using popular swarm intelligence technique," Engineering Applications of Artificial Intelligence, Elsevier, vol. 79, pp. 87–99, Mar. 2019.

[5] **J. Dash**, B. Dam, R. Swain, "Design of multipurpose digital FIR double-band filter using hybrid firefly differential evolution algorithm," Applied Soft Computing, Elsevier, vol. 59, pp. 529–545, Oct. 2017.

[6] **J. Dash**, B. Dam, R. Swain, "Optimal design of linear phase multi-band stop filters using improved cuckoo search particle swarm optimization," Applied Soft Computing, Elsevier, vol. 52, pp. 435–445, Mar. 2017.

International Conference & Book Chapter Published:

[1] **J. Dash,** "A Design Approach for Double-band Pass Filter using Functional-linked Cat Swarm Optimization Algorithm," **Best Paper Award,** 19th OITS IEEE International Conference on Information Technology, pp. 121–125, (OCIT), Dec. 2021.

[2] **J. Dash**, B. Dam, R. Swain, "Design of sharp cut-off digital tuner using firefly algorithm," IEEE International Conference on Information Technology, pp. 131–136, Dec. 2017.

[3] **J. Dash**, R. Swain, B. Dam, "Design of Linear Phase Band Stop Filter using Fusion based DEPSO Algorithm," Computational Intelligence in Data Mining, Springer, vol. 410(1), pp. 273-281, Jan. 2016. [**Book Chapter**]

[4] G.K. Kanungo, N. Singh, **J. Dash**, A Mishra, "Mammogram Image Segmentation Using Hybridization of Fuzzy Clustering and Optimization Algorithms," Intelligent Computing, Communication and Devices, Springer, vol. 309(2), pp.403-413, Aug. 2015. [**Book Chapter**]

Patents Published: 02

ANY OTHER

Professional Membership: Sr Member IEEE; LMISTE.

M. Tech Thesis Guided: 08