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Name : Judhisthir Dash

Designation : **Associate** Professor

Department : Department of Electronics & Communication Engg
(JOINED THE INSTITUTE IN 2008)

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RESEARCH INTERESTS:

- Signal processing & Communication;
- Soft Computing & Artificial Intelligence.

Academic Qualifications:

Ph. D., Jadavpur University, India.

B.E., M. E., Sambalpur University, India.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching experience : More than 20 Years
- ✓ Research experience : More than 07 years

PUBLICATIONS

JOURNAL & CONFERENCES:

[1] **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.

[2] **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.

- [3] **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.
- [4] **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.
- [5] **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.
- [6] **J. Dash**, B. Dam, R. Swain, “Design of sharp cut-off digital tuner using firefly algorithm,” IEEE conference on Information Technology, pp. 131–136, Dec. 2017.
- [7] **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.
- [8] 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. 2014.

ANY OTHER

Professional Membership :- Sr Member, IEEE; LMISTE.
