Faculty Profile

Department: Faculty of Science & Technology

Name: Dr. Tapan Kumar Mohanta

Designation: Assistant Professor

Branch: Electronics and Communications Engineering

Educational Qualification(s):

Qualification(s)(Bachelors Degree onwards)	University
B. Tech	Biju Pattanaik University of Technology, Rourkela
M. Tech.	Berhampur University, Odisha
Ph. D	National Institute of Technology, Nagaland

Experience in years:

Academic :

Details:

Sl. No.	Organization	Position Held	Duration From	To
1	ICFAI University Tripura	Assistant Professor	20-Jan-2014	till date
2	Suddhananda Engineering And Research Centre Bhubaneswar Odisha	Assistant Professor	1-Sept-2010	29-Dec-2013
3	Niachala Polytechnic Bhubaneswar, Odisha	Lecture	18-December-2004	26-May-2008

Other Information:

a) Publication details.

Book:-

1. Tapan Kumar Mohanta "Design and Analysis of Fractal Antenna for Multiband Application" LAP Lambert publishing(2016-07-15),ISBN-13:978-3-659-76686-2 and ISBN – 10:3659766860.

Journals:-

1. Tapan Kumar Mohanta and Dushmanta K. Das, "A Three-Dimensional Wireless Sensor Network with an Improved localization Algorithm Based on Orthogonal Learning Class Topper Optimization" Annals of Telecommunications.(2023):1-15.(Springer, SCIE,).

2. Tapan Kumar Mohanta and Dushmanta K. Das, "Improved Wireless Sensor Network Localization Algorithm based on Selective Opposition Class Topper Optimization (SOCTO)" Wireless Personal Communications. (2022): 1-22.(Springer, SCIE).

3. Tapan Kumar Mohanta and Dushmanta K. Das, "Multiple Objective Optimization-based DV hop Localization for Spiral Deployed Wireless Sensor Networks using Non-inertial Opposition based Class Topper Optimization (NOCTO)" Computer Communications 195 (2022): 173–186.(elsevier, SCIE).

4. Tapan Kumar Mohanta and Dushmanta K. Das, "Improved DV-Hop localization algorithm based on social learning class topper optimization for wireless sensor network." Telecommunication Systems 80.4 (2022): 529-543. (Springer, SCIE)

5. Tapan Kumar Mohanta and Dushmanta K. Das, "Advanced Localization Algorithm for Wireless Sensor Networks Using Fractional Order Class Topper Optimization", The Journal of Supercomputing 78.8 (2022): 10405-10433.(Springer, SCIE).

6. Tapan Kumar Mohanta and Dushmanta K. Das, "Class Topper Optimization based Improved Localization Algorithm in Wireless Sensor Network", Wireless Personal Communications 119.4 (2021): 3319-3338.(Springer, SCIE)

Conferences:

1. Tapan Kumar Mohanta and Dushmanta K. Das, Performance Analysis of an Optimization based Localization Algorithm for the 3D Spiral Deployed Wireless Sensor Network, IEEE International Conference IC3S 2023, May 26-28, Bhubaneswar, India, 2023.
2. Tapan Kumar Mohanta, Ankur rai and Dushmanta K. Das, Performance Analysis of a Particle Swarm Optimization based Localization Algorithm in Wireless Sensor Network, IEEE International Conference ASPCON 2020,October 7-9, Kolkata, India, 2020.

(b) Details of Seminar/Workshop/Conference

Sl.No.	Name of workshop	Place of workshop	Date of workshop
1	Advanced Data Analysis with R-software	Indian Statistical Institute (ISI) Bangalore	27th-30th November 2017
2	Control System Engineering and Its Applications: Simulation and Real-Time Implementation Using Mat Lab and Lab View Platform	NIT Nagaland	5th-9th Dec 2017
3	Industrial Automation using PLC,SCADA and Drives	Academy Industrial Automation and Technology Kolkata	13th February 2018

4	Advanced Optimization Techniques and hand son with MATLAB/ SCILAB	Ministry of Electronics and Information Technology (MeitY), Government of India	13th–24th July 2020
5	Computational Information Processing	ICFAI University Tripura	3rd-4th Feb 2015
6	Virtual Laboratory	ICFAI University Tripura	19th May 2017
7	Virtual Laboratory	ICFAI University Tripura	30th October-1st November 2017
8	ROBOTICS Laboratory	ICFAI University Tripura	22nd-24th March 2018
9	Virtual Laboratory	ICFAI University Tripura	28th-29th March 2023

(c). Professional membership of reputed bodies if any.

Sl.No.	Name of Award	Awarding Agency	Year
1	Best Faculty Award	INSO	April-2023
2	Reviewer	IEEE Conference on IC3S 2023	May-2023
3	Reviewer	IEEE Transactions on Mobile Computing	June-2023