



Name: Dr. SUVENDU CHATTARAJ

Designation: Assistant Professor in Computer Application and IT

Qualifications: M.E., Ph.D.

Email ID: suwendu.chattaraj@sxuk.edu.in

Biographical Sketch

I have joined St. Xavier's University, Kolkata on 1st July, 2022. I've around 13 years of academic experience. I have pursued M.E in Computer science and Engineering from BESU, Shibpur as a GATE scholar. Also, I was awarded Ph.D in Engineering from IEST, Shibpur in the year 2016. I have published around 20 papers in international journals and conferences. I have qualified in NET examination for lectureship in Computer Application in the year 2012. I enjoy teaching and research activities the most and want to continue career in this field.

Areas of Specialisation and Research

Navigation; Kalman filtering; Machine intelligence

Teaching Experience

I have around 13 years of teaching and research experience in degree level engineering colleges and universities.

Publications

- **(2019) "Tuning of evolutionary particle filtering approach for estimation of trajectory deviation"**. Asian Journal of control, Mukherjee, A, Chattaraj, S, Chakraborty, S, Vol.21(4), Pp: 1566-1575, Online ISSN:1934-6093
- **(2018) "Performance evaluation of particle filter resampling techniques for improved estimation of misalignment and trajectory deviation"**, Multidimensional System and Signal Processing, Suwendu Chattaraj, Sudipta Chakraborty, Abhik Mukherjee, Vol. 29(3), Pp. 821-838, ISSN: 0923-6082
- **(2016) "Utilizing time redundancy for particle filter based transfer alignment"**, Fluctuation and Noise Letters, S Chattaraj, A Mukherjee, Vol. 15(4), Pp - 1650024-1-11, ISSN: 0219-4775
- **(2013) "Transfer Alignment Problem: Algorithms and design issues"**, Gyroscopy and Navigation, Springer, Suwendu Chattaraj, Abhik Mukherjee, S.K. Chaudhuri; vol – 4, Pp. 130–146, ISSN: 2075-1087