



Monorama Swain, M.Tech.

Name : Monorama Swain

Designation : Sr. Asst. Professor

Department : Electronics & Communication Engineering(ECE)
(JOINED THE INSTITUTE IN 2007)

Contact : +91 -789431222(M)

Email : mswain@silicon.ac.in

RESEARCH INTERESTS

- ✓ Speech emotion recognition
- ✓ Signal processing
- ✓ Channel equalization , Speech enhancement techniques,
Speaker diarization
- ✓ Blind source separation.

Academic Qualifications

- M.Tech.: UCE, Burla, Biju Patnaik University of Technology, Rourkela, First class, 2007, Odisha.
- B.E: S.I.E.T Dhenkanal, first class, Biju Patnaik University of Technology, Rourkela Odisha, 2003.
- +2 Science, CHSE, Odisha, second class, 1998.
- HSC: BSC, Odisha, First class, 1996.

Teaching Experience:

- ✓ Speech processing
- ✓ Signal processing
- ✓ Basic/Analog Electronics Circuits
- ✓ Adaptive signal processing
- ✓ Mobile communication and Mobile computing

Work Experience

- ✓ 12 yrs of Experience in teaching.
- ✓ Working as a Sr. Asst. Prof. at Silicon Institute of Technology, Bhubaneswar from July 2007 to till date.
- ✓ Worked as a lecturer at Synergy Institute of Technology, Dhenkanal from 2003-2004.
- ✓ Worked as a Resource person at UCE, Burla from 2006-2007.

Awards and Honours:

Certificate of Merit: As a Section managing committee member of ISTE Odisha section from 2015 to till continuing.

Professional activities: ISTE Life Member, IEEE Member

PUBLICATIONS

JOURNAL & CONFERENCES**Journals:**

- [1] Monorama swain, R.P.Panda , Senha Tribrewal, "A study of differential evolutionary algorithm in blind source separation", International Journal of computer applications ,Vol.no.29, pp48-55, 2011
- [2] A. Mishra, Monorama Swain, B.Dash "An approach to face recognition of 2-D images using eigen faces and PCA", International Journal of Signal and Image processing,Vol.no-3, pp-144-156, 2012.
- [3] Monorama Swain , Subhasmita Sahoo, AurobindaRoutray , P. Kabisatpathy, Jogendra N. Kundu"Study of feature combination using HMM and SVM for multilingual Odiya speech emotion recognition" International Journal of Speech Technology,Vol.18,PP 387-393,2015.
- [4] Monorama Swain, Aurobinda Routray , P. Kabisatpathy" Databases, features ,and classifiers for speech emotion recognition –A Review", International Journal of Speech Technology,Vol.20,PP 1-30,2018.

Conferences:

- [5] Monorama Swain, Swati Swagatika Sahu, Rasmita Sethy, "A comparative study of EEG signal classification using discrete wavelet transform and S-Transform" pp-1-12, Telemedicon'10, Tele-medicine Society Of India, 14-16th November, 2010 at Bhubaneswar.
- [6] Monorama Swain, Rutuparna Panda, Himansu Mahapatra, Senha Tribrewal "Feature Extraction and Performance Analysis of EEG Signal Using S-Transform", International Conference on Computational Intelligence in Data Mining – Vol.2,pp-665-674, VSSUT BURLA, ICCIDM (Springer) 20-21 December,2014.
- [7] Monorama Swain, Rachita Biswal, Rutuparna Panda, P. Kabisatpathy, "Study of a multiuser kurtosis algorithm and an information maximization algorithm for blind source separation", ICCIDM 2016.
- [8] Monorama Swain, Rutuparna Panda "B-Spline design of digital FIR filter using evolutionary computation techniques" proceedings of SPIE, The international society for optical engineering,2011.
- [9] M. Swain , A. Routray , P. Kabisatpathy, J. N. Kundu "Study of prosodic feature extraction for multidialectal Odia speech emotion recognition" pp.1644-1649, IEEE TENCON Region10 Conference, Singapore 2016.