



Department of Electronics and Communication Engineering
Khulna University of Engineering & Technology
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Md. Maruf Hossain Shuvo

Assistant Professor

Research Area Biomedical Engineering
Medical Imaging

Education

Master of Science in Electrical Engineering

University of Missouri, U.S.A (2019-2021)

Bachelor of Science in Electronics & Communication Engineering

Khulna University of Engineering & Technology, Bangladesh (2009-2014) Achievement: University Gold Medal

Higher Secondary School Certificate

University Laboratory College, Bangladesh (2007-2009)

Secondary School Certificate

Bhandaria Vehari Pilot School, Bangladesh (2007) Group: Science, Achievement: Penninsula Merit Scholarship

Service Records

- **Assistant Professor**
Department/Section: Electronics and Communication Engineering
Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970
- **Lecturer**
Department/Section: Electronics and Communication Engineering
Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Research Interest

Biomedical Engineering

Biomedical signal processing, Medical image analysis

Medical Imaging

Ultrasound Elastography, Confocal Microscopy

Publication

Books

Journals

Conference

8. Hossain, Z., Shuvo, M. M. H. and Sarker, A. P. (Dhaka, Bangladesh, September, 2017), "Hardware and Software Implementation of Real Time Electrooculogram (EOG) Acquisition System to Control Computer Cursor with Eyeball Movement," **in Proc. of 4th International Conference on Advances in Electrical Engineering (ICAEE)**
7. Sarker, P., Shuvo, M. M. H., Hossain, Z. and Hasan, A. S. (Dhaka, Bangladesh, September, 2017), "Segmentation and Classification of Lung Tumor from 3D CT Image using K-means Clustering Algorithm," **in Proc. of 4th International Conference on Advances in Electrical Engineering (ICAEE)**
6. Tasnim, T., Shuvo, M. M. H. and Hasan, A. S. (Dhaka, Bangladesh, September, 2017), "Study of Speckle Noise Reduction from Ultrasound B-mode Images using Different Filtering Techniques," **in Proc. of 4th International Conference on Advances in Electrical Engineering (ICAEE)**
5. Johra, F. and Shuvo, M. M. H. (September 23, 2016), "Detection of Breast Cancer from Histopathology image and Classifying Benign and Malignant State Using Fuzzy Logic," **in Proc. of 3rd International Conference on Electrical Engineering and Information Communication Technology (ICEEICT 2016)**, MIST
4. Rahman, T., Ghosh, A. K. and Rahman, M. M. H. S. a. M. M. (June 6, 2015), "Mental Stress Recognition using K-Nearest Neighbor (KNN) Classifier on EEG Signals," **in Proc. of 1st International Conference on Materials, Electronics & Information Engineering (ICMEIE 2015)**
3. Roy, K. C., Shuvo, M. M. H. and Hossain, M. F. (November 27, 2014), "Interfacing an MCU based remote controller system with a PC," **in Proc. of 1st National Conference on Electrical and Communication Engineering and Renewable Energy (ECERE-2014)**
2. Shuvo, M. M. H., Hossain, A. B. M. A. and Roy, A. K. C. (22-23 December, 2014), "Ultrasound Strain Imaging Based on Information Theoretic

Delay Estimation," *in Proc. of 17th International Conference of Computer and Information Technology (ICCIT)* , pp.401 - 405

1. Shuvo, M. M. H. , Hossain, A. B. M. A. and Roy, a. K. C. (21-23 October, 2014) , "Simulation Study of Strain Imaging Using Nonlinear Ultrasound Radio Frequency Signals," *in Proc. of 9th IEEE International Forum on Strategic Technology (IFOSTâ€™ 14)* , pp.132-135