MD. SHARIFUL ISLAM, PhD

Associate Professor

Department of Information and Communication Technology

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Education

PhD

Department of Information and Communication Technology, Islamic University, Kushtia-7003, Bangladesh.

Research title: Enhancement of Viewing Angle Resolution and Depth Range of a Three-Dimensional Display System Using Integral Imaging.

M.Sc. (Thesis group)

Electrical and Electronic Engineering 2000 (Exam held in 2003), Department of Electrical and Electronic Engineering, Islamic University, Kushtia-7003, Bangladesh
Result: First class (Second position in the merit list).
Thesis title: "Study of the Adaptive Huffman data compression algorithm and measurements of it's
            Performance"

B.Sc. (Honors)

Electrical and Electronic Engineering 1999 (Exam held in 2001), Department of **Electrical and Electronic** Engineering, Islamic University, Kushtia-7003, Bangladesh

Result: First class (Third position in the merit list)

Professional experience

September 2004 ~ 2007, Lecturer, Department of Information & Communication Technology, Islamic University, Kushtia-7003, Bangladesh.

September 2007 ~ 2014, Assistant Professor, Department of Information & Communication Technology, Islamic University, Kushtia-7003, Bangladesh.

November 2014 to till now, Associate Professor, Department of Information & Communication Technology, Islamic University, Kushtia-7003, Bangladesh.

Currently Teaching Courses

Digital Electronics, Electromagnetic Theory and Antenna, Electronic Communication, Data Communication, Virtual Environment and Multimedia, Mobile Cellular Communication, Information Coding and Transmission, Advanced Digital Communication.

Research Interested

Wireless Communication, Integral Imaging 3D display Technology, Image Processing, Compressive sensing.

Published Journal Papers

1. Md. Khanjahan Ali, Md. Ashek Raihan Mahmud, **Md. Shariful Islam**, Khandaker Takdir Ahmed, "A Comparative Study and Analysis of three Routing Protocols (AODV, DSDV, DSR) in Mobile Ad hoc Network bearing CBR Traffic ", IJSER, Vol.7, Issue 12, December-2016

2. **Md. Shariful Islam,** Md. Tariquzzaman, Md. Abdur Razzaque, Tapan Kumar Godder, Md. Zahidul Islam. "Depth-of-focus Resolution and Viewing angle Improvement of Integral Imaging System Using Multi-directional Projections and Non-uniform lenslets Array with Intermediate View Reconstruction Method" Research Journal of Applied Sciences, Engineering and Technology (RJASET) 02/2016; 12(3). DOI:10.19026/rjaset.12.2336

3. **Md. Shariful Islam**, Md. Tariquzzaman, Md. Abdur Razzaque. "Viewing angle improvement of integral imaging three dimensional display system using horizontal and vertical multi-directional projections and elemental image rearranging method with pepper and salt noise reduction" IJSER, Vol.6, Issue 6. June-2015.

4. Md. Zahidul Islam, **Md. Shariful Islam**, Md. Sohel Rana, "Problem Analysis of Multiple Object TrackingSystem: A Critical Review" **International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)** Vol. 4, Issue 11, November 2015.

5. **Md. Shariful Islam**, Md. Tariquzzaman. "Computer Generated Integral Imaging System Using Depth Camera" International Journal of Computer Science and Information Technology Research ISSN 2348-120X (online) Vol. 3, Issue 2, pp: (256-263), Month: April - June 2015

6. **Md. Shariful Islam,** Md. Tariquzzaman, Md. Zahidul Islam "Integral Imaging three-dimensional (3D) display with wide viewing angle using multiple illuminations", IJCI, Vol.3, No.4, 2014.

7. **Md. Shariful Islam,** Md**.** Taruquzzaman**,** A.O.M. Asaduzzaman**,** Md. Nazrul Islam**,** "Three-dimensional Integral Imaging system using Double Layer Microlens Array", (International Journal of Computer Science and Engineering System) IJCSES, Vol.6, No.3, July 2012, pp.113-116, CSES International, ISSN 0973-4406.

8. Md. Zahangir Alom, Mei-Lan Piao, **Md. Shariful Islam**, Nam Kim, Jae-Hyeung Park, "Optimized Facial Features-based Age Classification", World Academy of Science, Engineering and Technology, International Journal of Computer and Information Engineering, Vol.6; No.3, 2012.

9. Md. Sadek Ali, **Md. Shariful Islam**, Md. Alamgir Hossin,"GENDER RECOGNITION SYSTEM USING SPEECH SIGNAL", IJCSEIT, Vol.2, No.1, February 2012.

10. Md. Alamgir Hossain, **Md. Shariful Islam**, Md. Sadek Ali, "Performance Analysis of Barker Code Based on their Correlation Property in Multiuser Environment", International Journal of Information Sciences and Techniques (IJIST) Vol.2, No.1, January 2012.

11. **Md. shariful islam[1]**, Pallab Kanti Podder[*2] "Multi-Envelop Polarization Shift Keying Modulation for Digital Optical Communications", Journal of the Bangladesh Electronics Society, Volume 11, Number 1-2, June-December 2011.

12. Md. Sadek Ali, M.A. Masud, **Md. Shariful Islam**, Md. Alamgir Hossain, "Performance Enhancement of dynamic Channel allocation in Cellular Mobile Network based on Carrier to Interference Noise Ratio", International Journal of Computer Science, Engineering and Information Technology (IJCSEIT), Vol.1. No.2, June-2011.

13. **Md. Shariful Islam**, Md. Asek Raihan Mahmud, Md. Sadek Ali, Md. Alamgir Hossain, "Performance Analysis of OFDM for Different Digital Modulation Schemes using Mathlab Simulation", J. Bangladesh Electron. 10(7-2);7-11, 2010.

14. **Md. Shariful Islam**, Md. Khalilur Rahman, Md. Khairul Islam,"BER performance of Block CDMA transmission by using Frequency Domain Equalizer" Journal of Bangladesh Electronics Society, Volume-9, Number 1-2, June-December-2009. ISSN: 1816-1510.

15. T. K. Joadder, **Md. Shariful Islam** and Naznin Nahar "Develop an ethernet Local Area Network (LAN) based parallel computing to solve different problems ", Islamic University Studies, Journal of Applied Science & Technology, vol 05, 2008.

16. A.O.M Asaduzzaman, Md. Nazrul Islam and **Md. Shariful Islam** "Off –Line Character Recognition System for Handwritten Bangla Numbers Using Superimposed Matrices" Islamic University Studies, Journal of Applied Science & Technology, Vol.04, No.02, October 2006.

17. **Md. Shariful Islam**, Md. Khalilur Rahman and K.M Abdus Sobahan "Implementation of data compression techniques for different data files" Islamic University Studies, Journal of Applied Science & Technology, Vol.04, No.01, December 2005.

Conference Proceedings

Abdullah-Al-Mashud M., Islam M. N., **Islam M. S**., Tariquzzaman M.: *Study And Analysis Of Different Filters Using Different Segmentations For Biomedical Images*. 2nd International Conference on Medical Physics in Radiation Oncology and Imaging, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka, Bangladesh; 08/2014

A. **Md. Shariful Islam**, B.K.-C. Kwon, C.J.-H. Park, D.S.-K. Gil, E. Nam Kim: *Integral imaging with double layer microlens array*. Opto-Electronics and Communications Conference (OECC), 2012 17th; 07/2012

Md Islam, Md. Zahangir Alom: *Optimized Facial Features-based Age Calssification*. World Academy of Science, Engineering and Technology; 01/2012

Md Sadek Ali, Md Mahbubur Rahman, Md Delowar Hossain, **Md Shariful Islam**, Md Moinul Islam: *Simulation and Bit Error Rate Performance Analysis of 4G OFDM Systemsms*. ICCIT, Khulna, Bangladesh; 01/2008