

DR. M MAKSUD ALAM

Assistant Professor

PhD in ECE from McMaster University, ON, Canada

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Research Areas

- Signals and Image Processing
- RF, Microwave and Communication Technology
- Broadband Access and Communication Technologies

Research Interests

- Feedback in Communications Channels
- MIMO Signal Processing for HMI / Medical Imaging
- Signal Processing for Smart Grids
- Error Correcting Codes

Teaching

- EEE311/ ETE311 Analog Electronics II
- EEE 221 Signals and Systems
- EEE241/ETE241 Electrical Circuits II
- EEE 141 Electrical Circuits I

Selected Publications

Conference Papers

- M Maksud Alam, Zahidul Amin, and Md. Serajul Abrar, "Performance Analysis Of Reed Muller Coded OFDM On Nakagami-m Fading Environment," Proc. 4th IEEE/CIC International Conference on Communications in China, ICCIC, Shenzhen, China, 2015
- M Maksud Alam, Farabi Hasan Chadni and Saiful Ahmed Papon, "Performance Analysis

of MIMO-COFDM under Rayleigh Fading Channel,” Proc. 7th IEEE International Conference on Wireless Communications and Signal Processing, WCSP, Nanjing, China, 2015

- M Maksud Alam, Nusrat J. Disha, Md. Ataur Rahman and Besma Smida, “Maximum PEP and ICI Over Coset Representatives for 32 Subcarriers Reed- Muller Coded OFDM,” Proc. 8th IEEE International Conference on Electrical & Computer Engineering, ICECE, Dhaka, Bangladesh, 2014

- M Maksud Alam and Besma Smida, “PAPR and ICI Reduction of OFDM Signals,” Proc. 1st International Conference on Control, Engineering and Information Technology, ICCEIT, Tunisia, 2013

- M Mofazzal Hossain, Y Yao, M Rafiqul Alam, M Maksud Alam and T Watanabe, “Modeling and Numerical Analysis of Thermal Treatment of Granulated Porous Particles by Induction Plasma,” Proc. 4th IEEE International Conference on Electrical & Computer Engineering, ICECE, Dhaka, Bangladesh, 2008

Others

- M Maksud Alam, “A coding technique to reduce PAPR and interference of OFDM systems, M. S. Thesis,” ProQuest, UMI Dissertations Publishing, Ann Arbor, MI, USA, 2013