

MR. RISHAD ARFIN

Lecturer & On Leave

M.A.Sc.

in Electrical & Computer Engineering (ECE), McMaster University, Canada

B.Sc. in Electric & Electronic Engineering (EEE), Islamic University of Technology (IUT), Bangladesh

Office hours:

Sundays,

Mondays,

Tuesdays,

&

Saturdays, Thursdays (2.40 pm – 5.50 pm)

Email: rishad.arfin@northsouth.edu

Research Areas

- Modeling and Simulation

Wednesdays (4.10 pm – 5.50 pm)

- RF, Microwave and Communication Technology
- Semiconductor Device and Technology
- Signals and Image Processing

Research Interests

- Computational Electromagnetics
- Energy Harvesting Devices i.e. Optical antennas at THz or IR regime
- Photonics, Optical & THz Devices
- Terahertz Rectification, MIM Diodes

Teaching

- CSE 231 Digital Logic design
- CSE 231L Digital Logic design Lab
- CSE 331 Microprocessor Interfacing & Embedded System
- CSE 331L Microprocessor Interfacing & Embedded System Lab
- CSE 173 Discrete Mathematics

## Research Projects & Grants

Ultrasound Imaging i.e. Elastography for Cancer detection (2011-2013)

Energy Harvesting at THz and IR Regime using Optical antennas (2015-2018)

Photonics & Optical Devices (2018-2019)

Terahertz Rectification, MIM Diodes (2020 – Present)