

MD. ASHFAQ RAHMAN OHI

Simulation and Application Engineer

Experienced researcher with expertise in design and simulation

Education

Masters of Science (M. Sc.) in Electrical & Electronic Engineering (EEE),
University of Dhaka-2018

Graduate Project Title: A Study and Simulation of Optical Transportation for
Plasmonic Nano Ring and Nano Disk induced by Fano resonance.

Bachelor of Science (B. Sc.) in Electrical & Electronic Engineering (EEE),
University of Dhaka-2017

Undergraduate Project Title: Design and Simulation of a slot loaded
Microstrip patch antenna for ISM band of 2.45 GHz

Work Experience (Research Assistant-Microwave and Optical Fibre Communication Lab, 2016-present)

- ❖ Planned, modified, and executed research techniques, procedures and tests.
- ❖ Supervised undergraduate students working on several research projects.
- ❖ Recorded data and maintained source documentation following good documentation practices.
- ❖ Wrote and edited data collection forms and questionnaires.
- ❖ Cleaned and maintained equipment in good working order.
- ❖ Performed detailed calculations to establish manufacturing, construction, and installation standards and specifications, maintaining 100% accuracy rate.
- ❖ Identified and solved electronic design problems, resulting in more efficient and cost effective products
- ❖ Prepared plans and layouts for equipment or system arrangements and space allocation.

Publications

- M.A.R.Ohi, M.S.Sadique, S. Hussain, A.Ahmed, *Design and Fabrication of Slot-loaded Microstrip Patch Antenna at 2.45 GHz*. Vol. 6 - Issue 5, International Journal of Advanced Research in Electrical, Electronics, and Instrumentation Engineering (IJAREEIE). ISSN : 2320 – 3765. DOI: 10.15662/IJAREEIE.2017.0603002
- Sakin S Satter¹⁺, M.R.C. Mahdy^{2,3+}, M.A.R. Ohi¹⁺, Farhan Islam², Hamim Mahmud Rivy², *Plasmonic Cube Tetramers over Substrates: Reversal of Binding Force as the Effect of Fano Resonance and Light Polarization*. Publication Date (Web): 14 Aug 2018, The Journal of Physical Chemistry C, ACS Publications. DOI: 10.1021/acs.jpcc.8b04563

Reference:

Dr. Anis Ahmed (Ph.D.)

Professor

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Contact Information

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Ashfaq Ohi

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6, Mymensingh Road, Banglamotor, Dhaka,
Bangladesh.

Skills

Creative Thinking

Decision Making

Documenting & Reporting

Leadership

Teamwork

Execution

Soft Skills

Microsoft Office 2018

Computer Simulation Technology

Lumerical FDTD

Comsol Multiphysics

Matlab

Photoshop/Illustrator/Aftereffects

Solidworks

Python

Autocad

Hardware Tools

Network Analyzer

3D Printer

CNC