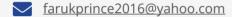


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WORK EXPERIENCE

08/2018 - 12/2019 Dhaka, Bangladesh

Teaching Assistant Independent University, Bangladesh

- EEE 211L Electrical Circuit Lab Autumn, 2018
- EEE 221L Electronics Lab Autumn, 2019

04/2019 - 03/2020 Dhaka, Bangladesh

Math Learning Center Instructor Independent University, Bang

- Mat 111 Differential Calculus
- Mat 131 Integral Calculus

EDUCATION AND TRAINING

01/09/2023 - CURRENT Köln, Germany

M.Sc. in Communication Systems and Networks Technische H

31/12/2016 - 30/12/2020 Dhaka, Bangladesh

B.Sc. in Electrical & Electronic Engineering Independent Univer

■ CGPA: 3.71 on a scale of 4.0

Undergraduate Thesis Title: Impact of Total Harmonic Distortion and Power Fa Charging.

06/2014 - 07/2016 Dhaka, , Bangladesh

Higher Secondary Certificate (HSC) Holy Child College

■ GPA: 5.00 on a scale of 5.0

Address Dhaka Board, Dhaka, , Bangladesh

12/2011 - 03/2014 Dhaka, , Bangladesh

Secondary School Certificate (SSC) Holy Child College

■ GPA: 5.00 on a scale of 5.0

Address Dhaka Board, Dhaka, , Bangladesh

LANGUAGE SKILLS

MOTHER TONGUE(S): Bangla

Other language(s):

English

Listening C1Spoken production B2Reading C1Spoken interaction B2

Writing C1

German

Listening A1 Spoken production A1
Reading A1 Spoken interaction A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Powerpoint | Microsoft Excel | Google Docs | Basic of Python | MATLAB&Simulink | Proteus and Multisim: Tools for Circuit designing | Organizational and planning skills

ADDITIONAL INFORMATION

Publications

Highly Nonlinear Bored Core Hexagonal Photonic Crystal Fiber (BC-HPCF) With Ultra-high Negative Dispersion for Fiber Optic Transmission System.

2019

Frontiers of Optoelectronics, 2019. (Journal).

Authors: Md. Mostafa Faruk, Nazifa Tabassum Khan, S. K. Biswas

Design and Analysis of Highly Non-linear Dispersion Compensating Photonic Crystal Fiber using Square-Lattice Geometry

2019

International Technical Conference of IEEE Region 10 (TENCON), 2019, Kochi, Kerala, October 17-20, 2019 (indexed in IEEE Xplore).

Authors: **Md. Mostafa Faruk**, Md. Abid Hossain, Mahfuj Rahman, Md. Sabuj Miah, Shovasis Kumar Biswas.

Ultra-high birefringence and highly nonlinear dispersion compensating square photonic crystal fiber for fiber optic transmission systems: Design and analysis.

2019

10th International Conference on Computing, Communication and Networking Technologies (ICCCNT), Kanpur, India, 6-8 July 2019 (indexed in IEEE Xplore).

Authors: **Md. Mostafa Faruk**, Md. Abid Hossain, Mahfui Rahman and Shovasis Kumar Biswas

Ultra-high Negative Dispersion Compensating Index Guiding Single Mode Octagonal Photonic Crystal Fiber: Design and Analysis

2019

2nd IEEE International Conference on Innovation in Power and Advanced Computing Techniques (iPACT 2019), Vellore Institute of Technology, India, 22-23 March 2019 (indexed in IEEE Xplore). Authors: **Md. Mostafa Faruk**, Md. Rubayet Islam, S. M. Rakibul Islam, Mashfique Ahmed, Md. Sabuj Miah and Shovasis Kumar Biswas

Analysis of Dispersion and Nonlinear Property in Defected Core Square Photonic Crystal Fiber 2018

9th International Conference on Computing, Communication and Networking Technologies (ICCCNT), pp. 1-5. IEEE, 2018. (indexed in IEEE Xplore)
Authors: Islam, Md Rubayet, SM Rakibul Islam, Mashfique Ahmed, Fahim Ahmed, **Md Mostafa Faruk**, and Shovasis Kumar Biswas

Numerical Study of Rectangular Air-Holes Based Highly Dispersion Compensating Octagonal Photonic Crystal Fiber: A Novel Approach.

2020

11th International Conference on Computing, Communication and Networking Technologies (ICCCNT) Authors: Delwar Hossain Himel, **Md Mostafa Faruk**, Shovasis Kumar Biswas

Honours and awards

2017 Independent University, Bangladesh

Merit Scholarship (Academic Board)

2014 Dhaka Education Board

Dhaka Board Scholarship (SSC)

Co-Curricular Experience

31/12/2018 - 30/12/2019

Chair, IEEE IUB Student Branch

05/2019 - 03/2020

Event Coordinator, IEEE Bangladesh Section Student Activity Committee

References

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