

DR. MD SHOFIQUUL ISLAM

Associate Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Electronic and Information Engineering	Toyohashi University of Technology, Toyohashi, Japan	2007
MS	Electrical and Electronic Engineering	Bangladesh Univ. of Engineering & Technology, Dhaka, Bangladesh	2002
BS	Electrical and Electronic Engineering	Bangladesh Univ. of Engineering & Technology, Dhaka, Bangladesh	1999

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Full or Coordinator, etc.)</i>	<i>Part Time</i>
1999	2002	Bangladesh Univ. of Eng. & Tech	& Lecturer		Full Time
2002	2009	Bangladesh Univ. of Eng. & Tech	& Assistant Professor		Full Time
2009	2012	Bangladesh Univ. of Eng. & Tech	& Associate Professor		Full Time
2012	Date	King Abdulaziz Univ.	Associate Professor		Full Time

Non Academic Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
2002	2012	Committees in different gov. organizations in Bangladesh.	Member	Tender evaluation	Part Time
2002	2012	Bureau of Research, Testing and Consultation, BUET, Bangladesh.	Member	Testing and consulting	Part Time

Funded Research Projects and Patents from the Past Five Years

1. Development and Installation of SCADA System for BPDB At Different Sub-stations of Power Development Board, Bangladesh, 2010-2012.

Certifications and Professional Registrations

1. Registered Professional Engineer In Bangladesh

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
1. Institute of Electrical and Electronics Engineers, IEEE	Member	2007
2. Institute of Engineers of Bangladesh, IEB	Member	2007

Honors and Awards

1. Best Student Paper Award Oral Paper Category To Md. Shofiqul Islam for “Fabrication of P-n Junction using Si-Microprobe Array By In-Situ Doping VLS Growth,” In Asia Pacific Conference of Transducers and Micro-Nano Technology (APCOT) 2006, Singapore.
2. MONBUKAGAKUSHO Scholarship Awarded By “Japan Government” for Research Student and PhD Course, October 2003 – July 2007.

Institutional and Professional Services (*administration, committees, units, etc.*)

1. Secretary, Board of Undergraduate Studies (BUGS), Dept. of EEE, BUET, Dhaka, Bangladesh.
2. Secretary, Buet Institutional Information Service (BIIS), Dept. of EEE, BUET, Dhaka, Bangladesh
3. Member, Undergraduate, MSc, PhD Admission Committee, Dept. of EEE, BUET, Dhaka, Bangladesh
4. Assistant Provost, Nazrul Islam Student Hall, BUET, Dhaka, Bangladesh

Principal Publications/Presentations from the Past Five Years

1. Kamrul Hasan and Md. Shofiqul Islam, “Analysis of The Effect of Boron Doping on The Growth Rate and Diameter of P-Si Microneedle Grown By In-Situ Doping VLS Method,” IEBJEE, vol. EE 38, no. I, pp. 13-18, June 2012.
2. Md. Shofiqul Islam, Sharif Mohammad Mominuzzaman, Tetsuo Soga and Takashi Jimbo, “Photoabsorption In Carbon and Silicon Layer of Phosphorous Doped Camphoric Carbon/p-Silicon (n-CC/p-Si) Solar Cell,” Thin Solid Films (Elsevier), vol. 518, no. 10, pp. 2867-2870, March 2010.
3. Farah Deebea, Shahed Khan Mohammed, Md. Shofiqul Islam, “A Complete Analytical Model for Square Diaphragm Capacitive Sensor with Clamped,” IEEE Eighth International Conference on Nano/Micro Engineered and Molecular System (NEMS), Suzhou, China, pp. 1311-1314, 7-10 April 2013.
4. Saumya Biswas, Ifana Mahbub, Md. Shofiqul Islam, “Conduction Band-Valence Band Coupling Effects on The Band Structure of In_{0.28}Ga_{0.72}N/GaN Quantum Well,” Conference on Electron Devices (CDE), Valladolid, Spain, pp. 211-214, 12-14 Feb 2013.
5. Saumya Biswas, Ifana Mahbub, Md. Shofiqul Islam, Saugata Biswas, “Peak Emission Wavelength Tuning for Light Emitting Diodes and Lasers for InGaN-delta In_yGa_{1-y} Quantum Well By Varying The Composition of The Delta Well,” Conference on Electron Devices (CDE), Valladolid, Spain, pp. 207-210, 12-14 Feb 2013.
6. Md. Shofiqul Islam, Kawser Ahmed and Mirza Mohammad Monzure Elahi, “Off Current Modeling of a Tunnel Field Effect Transistor,” IEEE Seventh International Conference on Electrical and Computer Engineering (ICECE), Dhaka, Bangladesh, pp. 814-817, 20-22 December 2012.
7. Mirza Mohammad Monzure Elahi, Kawser Ahmed and Md. Shofiqul Islam, “An Improved Analytical Model of Current In Tunnel Field Effect Transistor,” IEEE Seventh International Conference on Electrical and Computer Engineering (ICECE), Dhaka, Bangladesh, pp. 802-805, 20-22 December 2012.

Recent Professional Development Activities (*Workshops, training, etc.*)

1. Seminar on “Si Microneedle Array Devices and Sensors Fabricated By Vapor-Liquid-Solid (VLS) Growth Method” Organized By Center of Excellence In Intelligent Engineering System (CEIES), King Abdulaziz University, Jeddah, Saudi Arabia, May 2014.