

DR. MD SHOFIQL ISLAM*Associate Professor, Department of Electrical and Computer Engineering, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
Ph.D.	Electronic and Information Engineering	Toyohashi Univ of Tech, Japan	2007
MS	Electronic and Electronic Engineering	Bangladesh Univ of Engg & Tech	2002
BS	Electronic and Electronic Engineering	Bangladesh Univ of Engg & Tech	1999

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
2012	Date	King Abdulaziz University	Associate Prof		Full Time
2009	2012	Bangladesh Univ of Engg & Tech	Associate Prof		Full Time
2002	2009	Bangladesh Univ of Engg & Tech	Assistant Prof		Full Time
1999	2002	Bangladesh Univ of Engg & Tech	Lecturer		Full Time

Non-Academic Experience (Including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Description</i>	<i>Full or Part Time</i>
2002	2012	Bangladesh Government Tender Evaluation Committees	Member	Evaluation	Part Time
2002	2012	Bureau of Research, Testing and Consultation, Bangladesh	Member	Testing and Consulting	Part Time

Funded Research Projects and Patents from the Past Five Years

SN	Project No.	Project Type	Funding	Role	Year
1.	DF-155-135-1441	Distinct Fast	DSR(KAU)	PI	2019
2.	DF-356-135-1441	Distinct Fast	DSR(KAU)	PI	2019
3.	DF-355-135-1441	Distinct Fast	DSR(KAU)	PI	2019
4.	DF-257-611-1441	Distinct Fast	DSR(KAU)	PI	2019
5.	DF-249-135-1441	Distinct Fast	DSR(KAU)	PI	2019
6.	DF-155-135-1441	Distinct	DSR(KAU)	PI	2019
7.	G: 331-135-1439	General	DSR(KAU)	PI	2018
8.	D-144-135-1438	Distinct	DSR(KAU)	PI	2017
9.	G-441-135-37	General	DSR(KAU)	PI	2015
10.	135-106-D1437	Distinct	DSR(KAU)	PI	2015
11.	135-7-D1437	Distinct	DSR(KAU)	PI	2015

Certifications and Professional Registrations

Registered Professional Engineer in Bangladesh

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
(i) Institute of Electrical and Electronics Engineers, IEEE	Member	2007
(ii) Institute of Engineers of Bangladesh, IEB	Member	2007

Honours and Awards

1. **Best Student Paper Award** Oral Paper Category, Asia Pacific Conference of Transducers and Micro-Nano Technology (APCOT) 2006, Singapore.
2. **MONBUKAGAKUSHO Scholarship** awarded by “Japan Government” for PhD Research, 2003 – 2007.
3. **Dean’s List Scholarship** awarded by Bangladesh Univ of Engg & Tech, Bangladesh (Year 1994-1999).
4. **University Merit Scholarship** awarded by Bangladesh Univ of Engg & Tech, Bangladesh (Year 1994-1999).
5. **University Technical Scholarship** awarded by Bangladesh Univ of Engg & Tech, Bangladesh (Year 1994-1999).
6. **Higher Secondary Certificate Board Scholarship** awarded by Dhaka Board, Bangladesh (Year 1994-1999).
7. **Secondary School Certificate Board Scholarship** awarded by Rajshahi Board, Bangladesh (Year 1990-1992).
8. **Talent Pool Scholarship in Junior-Level** awarded by Rajshahi Board, Bangladesh (Year 1988-1989).
9. **Talent Pool Scholarship in Primary-Level** awarded by Rajshahi Board, Bangladesh (Year 1985-1987).

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

1. **Secretary**, Board of Undergraduate & Postgraduate Study, EEE, Bangladesh Univ of Engg & Tech, Bangladesh
2. **Lab in Charge**, EEE, Bangladesh Univ of Engg & Tech, Bangladesh
3. **Assistant Provost**, Student Hall, Bangladesh Univ of Engg & Tech, Bangladesh
4. **Member**, International Conference Organizing Committee and Technical Committee, Bangladesh Univ of Engg & Tech, Bangladesh

Principal Publications/Presentations from the Past Five Years

1. Dip Joti Paul, Md. Abdullah-Al-Kaiser, **Md. Shofiqul Islam**, Quazi D. M. Khosru, "Fringing-field-based 2-D analytical model for a gate-underlap double-gate TFET" Journal of Computational Electronics, Published online: 22 August 2018. (doi: [10.1007/s10825-018-1234-5](https://doi.org/10.1007/s10825-018-1234-5))
2. **Md. Shofiqul Islam**, Md. Shifat-E-Rabbi, Abdullah Mohamed Ali Dobaie, Md. Kamrul Hasan, " PREHEAT: Precision heart rate monitoring from intense motion artifact corrupted PPG signals using constrained RLS and wavelets," Biomedical Signal Processing and Control, Vol. 38, pp. 212-223, September 2017. (doi: [10.1016/j.bspc.2017.05.010](https://doi.org/10.1016/j.bspc.2017.05.010))
3. **Md. Shofiqul Islam**, "Analytical modeling of organic solar cells including monomolecular recombination and carrier generation calculated by optical transfer matrix method," Organic Electronics, Vol. 41, pp. 143-156, February 2017. (doi: [10.1016/j.orgel.2016.10.040](https://doi.org/10.1016/j.orgel.2016.10.040))
4. Ibrahim Mustafa Mehedi, Md. Faruk Hossain, Takakazu Takahashi, **Md. Shofiqul Islam**, " Nano-structural variation of highly aligned anodic Titania nanotube arrays for gas phase photocatalytic application," Journal of Photochemistry and Photobiology A: Chemistry, Vol. 335, pp. 200-210, February 2017. (doi: [10.1016/j.jphotochem.2016.11.019](https://doi.org/10.1016/j.jphotochem.2016.11.019))
5. Ibrahim Mustafa Mehedi, **Md. Shofiqul Islam**, "Moon Landing Trajectory Optimization," International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 7, No. 3, pp. 280-286, April 2016. (doi: [10.14569/IJACSA.2016.070341](https://doi.org/10.14569/IJACSA.2016.070341))
6. **Md. Shofiqul Islam**, Ibrahim Mustafa Mehedi, "Comparative Study of the Effects of Phosphorus and Boron Doping in Vapor-Liquid-Solid Growth with Fixed Flow of Silicon Gas," Journal of Crystal Growth, Vol. 440, pp. 55-61, February 2016. (doi: [10.1016/j.jcrysgro.2016.01.034](https://doi.org/10.1016/j.jcrysgro.2016.01.034))
7. **Md. Shofiqul Islam**, Tanvir Muntasir, Shuvomoy Das Gupta, " Analytical Modeling of Electrical Characteristics of Low Bandgap Graphene Nanoribbon FET," International Journal of Advanced Engineering and Nano Technology (IJAENT), Vol. 2, Issue 10, pp. 23-28, September 2015. (<http://www.ijaent.org/v2i10.php>)
8. **Md. Shofiqul Islam** and Makoto Ishida, " Interface pn Junction Arrays with High Yielded Grown p-Si Microneedles by Vapor-Liquid-Solid Method at Low Temperature," Solid-State Electronics (Elsevier), Vol. 103, pp. 90-97, Nov 2014.

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, 2014.