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Publications

Journals: * M. TanvirAlam, Md. Nurul Rashid, HabibullahNahid, Shovon Kumar Paul and Md. IqbalBaharChowdhury, "J-V Characteristics of GaN Based Solar Cell with InGaN-Quantum Dots Layers in the Absorber,†ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 55-58, 2014. * Jahorul Islam, Md. MahmudulHasan, SadiaUmmeyFarwah and Md. IqbalBaharChowdhury, "A Novel Cylindrical Gate All Around MOSFET Using InAs as Channel and HfO2 as gate oxide,†ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 59-62, 2014. * Mohammad Ali, Ahmed Neamul Islam, HumiraAlamand IqbalBaharChowdhury, "Current-Voltage Characteristics of Amorphous-Si Based Plasmonic Solar Cells With Photonic Crystal Back Reflectors,†ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 63-66, 2014. * Aneek Islam and IgbalBaharChowdhury, "Simulation of Two-Diode Model Based PV Solar Cell/Array: A SIMULINK Approach,†ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 67-72, 2014. * Sahajadee Islam Reba, Md. ShihabUddin, Md. RashedulHuqe and IqbalBaharChowdhury, "Effect of Auger Recombination on the Emitter saturation Current of Si-Drift Solar Cells, †ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 73-79, 2014. * M. Moududul Islam, Md. IqbalBaharChowdhury, Yeasir Arafat and Md. ZiaurRahman Khan, "Physics-based Analysis of the Base Transit Time In SiGe-HBT with Gaussian Doped Base,†ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 80-86, 2014. * Ayesha, ShamaraKabirSilvi and IqbalBaharChowdhury , "Internal Quantum Efficiency and Current-Voltage Characteristics Modeling of ZnO/CZTS Thin Film Solar Cells,†ISTP Journal of Research in Electrical and Electronics Engineering (ISTP-JREEE), Special Issue on 1st International Conference on Research in Science, Engineering & Management (IOCRSEM 2014), pp. 110-114, 2014. * RashedulHuqe, Sahazadee Islam Reba, Md. ShihabUddin and Md. IqbalBaharChowdhury, "Analytical Modeling of the Base Dark Saturation Current of Drift-Field Solar Cells Considering Auger Recombination,†International Journal of Renewable Energy Research, vol 3, no. 2, pp.420-426, 2013. * M. Shahidul Hassan, Orchi Hassan and Md. IqbalBaharChowdhury, "Effect of Majority Carrier Current on the Base Transit Time of a BJT,†Journal of Electron Devices, vol. 10, pp. 511- 514, 2011. * IqbalBaharChowdhury and M. M. Shahidul Hassan. "Base Transit Time of a Bipolar Transistor Considering Majority Carrier Current,†Journal of Electrical Engineering, Institute of Engineers, Bangladesh, vol. EEE 36, no. 1, pp.30-36, June 2009. * AnisurRahman, AnisulHaque and **IqbalBaharChowdhury**, "On the use of appropriate boundary conditions to calculate the normalized wave functions in the inversion layers of MOSFETs with ultra-thin gate oxidesâ€, Solid-State Electronics, vol. 44, pp. 1833-

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Farhan, Sahazadee Islam Reba, SyedaIsratFerdaus and IqbalBaharChowdhury , "An Analytical Model of Dark
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* SyedaIsratFerdaus, Md. Yeazul, KabirHossain, Md. ForhadHossain, Sujoy Kumar Saha and IqbalBaharChowdhury,
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Conferences: * RubaRummana, SirajuddinShaheen, NazneenChaity, RifatBokahri, Liana Anwar, IfteKhairul Amin Abbas, Nusrat Wahid, RizwanaSubhani, Rumana Rashid and IqbalBaharChowdhury, "Gender Differences in the Usage of Information and Communication Technologies (ICT): The Case for Entrepreneurs in Bangladeshâ€, 2011 IEEE International Conference on Computer Applications and Industrial Electronics (ICCAIE), Penang, Malaysia, pp. 220-223, Dec 8-10, 2011. DOI: 10.1109/ICCAIE.2011.6162134. * RubaRummana, SyedaIsratFerdaus, Rumana Rashid and IqbalBaharChowdhury, "A Model for Mainstreaming Gender Perspective in Engineering Education in Bangladesh: Some Recommendationsâ€, 2011 IEEE Region 10 Conference (TENCON 2011), Bali, Indonesia, pp. 729-733, Nov. 21-24, 2011. DOI: 10.1109/TENCON.2011.6129300 * RubaRummana and **IqbalBaharChowdhury** , "An Overview of Budgetary Allocation on the Development of Women Entrepreneurs in Bangladesh: An Empirical Studyâ€, 2011 International Conference on Business, Engineering Research and Industrial Applications (ICBEIA), Kuala Lumpur, Malaysia, pp. 165 â€" 168, June 05-07, 2011. DOI: 10.1109/ICBEIA.2011.5994233. * RubaRummana, IqbalBaharChowdhury and Rumana Rashid, "Sustainable Waste Management Using Renewable Technology for Economic Empowerment of Rural Women in Bangladeshâ€, 2nd International Conference on Solid Waste Management in Developing Countries, WasteSafe 2011, Khulna, Bangladesh, Feb. 13-15, 2011. * RubaRummana, **IgbalBaharChowdhury** and Rumana Rashid, "The Equation of Renewable Energy Technologies- The Gender Side- A model for empowering rural poor women in Bangladesh ", Fifth Biennial International Conference of Indian Association for Asian & Pacific Studies, Sikkim University; Sikkim, India, Dec. 10-12, 2010.

Reviewer | **Journals:1.** IEEE Transaction on Electron Devices**2.** International Journal of Integrated Electronics **3.** Journal of Institute Engineers, Bangladesh **Conferences:** 1. International Conference on the Developmentsin Renewable Energy Technology (2012, 2014, 2016) 2. 2011 IEEE Applied Power Electronics Colloquium (IAPEC) 3. 2011 IEEE Symposium on Computers & Informatics

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Professional Experience

Position	Department/University	Duration
Associate Professor	Department of Electrical and Electronic Engineering, United International University Dhaka, Bangladesh	November 13, 2013 – Onwards
*Assistant Professor	Department of Electrical and Electronic Engineering, United International University Dhaka, Bangladesh	November 12, 2013
Head of the Department	Department of Computer Science and Engineering, The University of Asia Pacific Dhaka, Bangladesh	March 05, 2006- October 31, 2006
Assistant Professor	Department of Computer Science and Engineering, The University of Asia Pacific, Dhaka, Bangladesh	June 06, 2002- Onwards
Head-in-Charge	Department of Computer Science and Engineering, The University of Asia Pacific,Dhaka, Bangladesh	April 01, 2004 –August 31, 2004
Head-in-Charge	Department of Computer Science and Engineering, The University of Asia Pacific,Dhaka, Bangladesh	February 10, 2003- May 11, 2003

Senior Lecturer	Department of Computer Science and Engineering, The University of Asia Pacific,Dhaka, Bangladesh	June 14, 2001- June 05, 2002
Head-in-Charge	Department of Computer Science and Engineering, The University of Asia Pacific,Dhaka, Bangladesh	October 01, 2001- February 09, 2002
Lecturer	Department of Electrical and Electronic Engineering,Ahsanullah University of Science and Technology,Dhaka, Bangladesh	April 01, 1999 – June 13, 2001
### Education		
Degree Obtained	Institute	Year of Passing
Ph. D. (Electrical & Electronic Engg.)	Bangladesh University of Engineering and Technology, Dhaka, Bangladesh	2011
M.Sc. Engg. (Electrical & Electronic)	Bangladesh University of Engineering and Technology, Dhaka, Bangladesh	2000
B.Sc. Engg. (Electrical & Electronic)	Bangladesh University of Engineering and Technology, Dhaka, Bangladesh	1996
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