

Dr. Md. Rafigul Islam

Professor

Research AreaPower System: Load flow, voltage and frequency control, Fault analysis XOEozwMgzB3YNSX3HwcF1zOagOVW535j&gmla=AJsN-Multi-junction solar cells (performed

Growth (MOVPE), processing technology and device fabrication (used SEM, XRD, Hall measurement, PL, AFM, IV, CV, EB evaporation. Wet chemical etching). Fabrication of solar cells (used epitaxial doping process).

Biography

Md. Rafiqul Islam received the B. Sc. Engineering degree in Electrical and Electronic Engineering from Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh, in 1998, the M. Sc. Engineering degree in Electrical and Electronic Engineering from Khulna University of Engineering and Technology (KUET), Khulna, Bangladesh, in 2006 and the Ph.D. degree in Semiconductor device growth, characterization and fabrication from Fukui University, Fukui, Japan, in 2010. Now he is working as Professor in Khulna university of Engineering & Technology. The Google scholar citations are here:

https://scholar.google.com/citations?hl=en&user=yywSm3sAAAAJ&scilu=&scisig=AMD79ooAAAAA

F7P6hYZx7o2qmRFJ5zrAw7NYv8zRpRdjlGelHLnUw3 ldUzgPclytTUijenLPvZ8RjJ

 $simulation). \ Compound \ semiconductor \ based \ {\color{blue} \underline{| 441sx5VBs_aDCN7ZMqZaSH0zHhHUPfZeRcgbSShk7k1LNfM\&sciund=11972426836401586485}} \\$

devices (modeling, numerical simulation etc),
Research Gate Account: www.researchgate.net/profile/Md_Islam88

Education

Doctor of Engineering

University of Fukui, Japan (2007-2010)

Thesis Title: Growth and Characterization of MOVPE InxGa1-xN ($x = 0 \sim 0.4$) for Solar Cells

Khulna University of Engineering & Technology, Bangladesh (2002-2006)

Thesis Title: Design of High Efficiency InxGa1-XN-Based Multi- Junction Solar Cells

BSc in EEE

Bangladesh Universityof Engineering & Technology, Bangladesh (1991-1998)

HSC

Satkuira Government College, Bangladesh (1989-1991)

SSC

Dhandia Union Institution.Bangladesh(1987-1989)

Service Records

 Professor (Grade 1) **Department/Section:** EEE

Khulna University of Engineering & Technology From 2020-12-08 00:00:00to1970-01-01 06:00:00

Professor (2nd Grade) **Department/Section: EEE**

Khulna University of Engineering & Technology *From 2016-09-13 00:00:00to2020-12-07 00:00:00*

Professor

Department/Section: EEE

Khulna University of Engineering & Technology From 2012-09-13 00:00:00to2016-09-12 00:00:00

Associate Professor Department/Section: EEE

Khulna University of Engineering & Technology From 2011-03-29 00:00:00to2012-09-12 00:00:00

Assistant Professor Department/Section: EEE

Khulna University of Engineering & Technology From 2003-06-15 00:00:00to2011-03-28 00:00:00

Department/Section: EEE

Khulna University of Engineering & Technology From 2001-10-15 00:00:00to2002-06-14 00:00:00

Assistent Engineer

Department/Section: Operation Department

BPDB From 2000-03-12 00:00:00to2001-10-07 00:00:00

Working Area:Power Station **System Support Engineer**

Spectra Solutions Ltd. From 1999-03-14 06:00:00to2000-03-10 00:00:00

Research Interest

Power System: Load flow, voltage and frequency control, Fault analysis

Multi-junction solar cells (performed simulation). Compound semiconductor based devices (modeling, numerical simulation etc), Nano technologies

Thin films solar cells: Growth (MOVPE), processing technology and device fabrication (used SEM, XRD, Hall measurement, PL,

AFM, IV, CV, EB evaporation, Wet chemical etching). Fabrication of solar cells (used epitaxial doping process).

Publication

Books

1Karim,N. ,Meme,F. I. and Islam,<. R. I. (2017) , *Organic Tandem Solar Cells: Approach to High Efficiency* , ISBN:978-620-2-05042-5,Lap Lambert Academic Publishing