



The 3rd International Conference on Advances in Electrical Engineering (ICAEE)

17-19 December, 2015

Venue: Independent University, Bangladesh

Technical Program Schedule



Organized by

Independent University, Bangladesh



Technical Co-sponsor

The Institution of Electrical & Electronics Engineers

Conference Program Schedule

Day 1

17 December 2015, Thursday

Registration & Conference Kit Distribution

Time: 08:00 AM – 9:00 AM

Venue: Level 5 Lobby, Academic Block

IEEE Session

Venue: Level 5 Lobby, Academic Block

Session Chair: Dr. Ashraful Amin, Independent University Bangladesh

Invited Talk 1

Time: 09:00 AM - 09:30 AM

Venue: Lecture Gallery 5002, Academic Block

Title: **Title: Today's Industry Applications of Power Electronics and Update on IEEE's Industry Applications Society**

Speaker: David B. Durocher, Senior Member IEEE
President, IEEE Industry Application Society (2015-2016)
Eaton Corporation, USA

Invited Talk 2

Time: 09:30 AM - 09:50 AM

Venue: Lecture Gallery 5002, Academic Block

Title: **IAS Chapters and Membership – Overview, Products and Services**

Speaker: Dr. Peter Magyar, Fellow IEEE
Chair, Chapter and Membership Development
IEEE Industry Application Society

Official Inaugural Session

Time: 10:00 AM - 11:00 AM

Venue: IUB Auditorium

- 10:05 AM Welcome address by Dr. M. Abdur Razzak, Chair, Organizing Committee, ICAEE 2015
- 10:10 AM Address by Prof. Shahriar Khan, Interim Dean, School of Engineering & Computer Science, Independent University, Bangladesh
- 10:15 AM Address by Prof. Shaikh Anowarul Fattah, Chair, IEEE Bangladesh Section
- 10:20 AM Address by Engr. Kabir Ahmed Bhuiyan, President, The Institution of Engineers Bangladesh
- 10:25 AM Address by the Special Guest, Prof. M. Rezwan Khan, Vice Chancellor, United International University, Bangladesh

- 10:30 AM Address by the Special Guest, Prof. Datin Dr. Rubiyah Yusof, Dean, Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia
- 10:35 AM Address by the Special Guest, Dr. Ferdinand von Weyhe, Chargé d'Affaires, Embassy of the Federal Republic of Germany in Bangladesh
- 10:40 AM Address by the Chief Patron and Chair, Advisory Committee of ICAEE 2015, Prof. M. Omar Rahman, Vice Chancellor, Independent University, Bangladesh
- 10:45 AM Address and Official Inauguration by the Chief Guest, Dr. Tawfiq-e-Elahi Chowdhury, Bir Bikram, Adviser of Power, Energy & Mineral Resources Affairs to the Hon'ble Prime Minister of Bangladesh
- 10:55 AM Vote of Thanks by Dr. Mustafa Habib Chowdhury, Secretary, Organizing Committee, ICAEE 2015
- 11:00 AM End of Inaugural Session

Tea Break

Time: 11:00 AM - 11:30 AM, **Venue:** Multipurpose Hall

Keynote Session

Session Chair: Prof. Farruk Ahmed, Independent University, Bangladesh

Session Co-Chair: Dr. Mustafa Habib Chowdhury, Independent University, Bangladesh

Keynote 1

Time: 11:30 AM - 12:15 PM

Venue: IUB Auditorium

Title: Communication Networks: Traffic Data, Network Topologies, and Routing Anomalies

Speaker: Dr. Ljiljana Trajkovic, Fellow IEEE
President, IEEE Systems, Man & Cybernetics Society (2014-2015)
Professor, Simon Fraser University, Canada

Keynote 2

Time: 12:15 PM – 01:00 PM

Venue: IUB Auditorium

Title: Roadmap towards 5G Mobile Communication System

Speaker: Dr. Tharek A. Rahman, Senior Member IEEE
Professor, Faculty of Engineering, Universiti Teknologi Malaysia

Lunch Break

Time: 1:00 PM - 2:00 PM, **Venue:** IUB Cafeteria Faculty Dining Hall

Technical Session 1-1: Smart Power Grid

Time: 2:00 PM – 3:30 PM

Venue: Room 6007, Level 6, Academic Block

Session Chair: Dr. Khosru M. Salim, Independent University, Bangladesh

Paper ID 45. Design & simulation of photovoltaic, wind, battery, grid connected hybrid power system for Patenga, Chittagong, Bangladesh

Kazi Meharajul Kabir, Snehadhit Mazumder, Md. Sarwar Uddin Chowdhury, Md. Rashedul Haq

Paper ID 63. Integration of Smart Hybrid Uninterruptible Power Supply

Humdan Islam, Md Mujahidul Islam, Md Rezaul Hasan Rony

Paper ID 85. Coordination Control of a Hybrid Ac-Dc Micro-grid at Different Generation and Load

Rubel Mahmud, Raja Rashidul, Hasan, Md.Tahsinur Rahman, Rasel Mahmud, Saugata Roy

Paper ID 97. Development of an LCL Filter for a Residential Microgrid System

Tabassum Perveen Ananna, A. K. M. Baki, Lopa Ghosh , Md. Saiful Islam, Kd. Shafiqur Rahman, Sharmin Nahar

Paper ID 127. Grid Connected Hybrid Power System Design Using HOMER

Md. Nurunnabi, N. K. Roy

Technical Session 1-2: Renewable Energy-I

Time: 2:00 PM – 3:30 PM

Venue: Room 6008, Level 6, Academic Block

Session Chair: Dr. K. M. A. Salam, North South University

Paper ID 11. Solar PV- Hydrogen Fuel Cell System for Electrification of a Remote Village in Bangladesh

Kazi Kawser Hossain, Taskin Jamal

Paper ID 21. Organic Solar Cells: Historical Developments and Challenges

Md Meganur Rahman, M A Matin

Paper ID 55. Design and implementation of a piezoelectric energy harvesting system using a super capacitor

Sajeed Mohammad Shahriat, Abir Ahmed, Tareq Qazi, Sadif Khan Farabi, Ebad Zahir

Paper ID 75. A Study of Starting Methods for an Induction Motor Using an Arbitrary Waveform Generator

Archis Banerjee, Aritra Banerjee, D. P. Saikat Rana and K. N. Shubhanga

Paper ID 150. Power Generation for Auto Street Light Using PZT

Mrinmoy Dey, Tawhida Akand and Sadeka Sultana

Paper ID 185. Electricity Generation from Sewage Sludge: A Highly Prospective Renewable Energy for Power Problem Solution in Bangladesh

Subrata Biswas, Md. Abdullah Shah, Shaikh Bin Mizan, Md. Forhad Hussain

Technical Session 1-3: Biomedical Systems and Applications

Time: 2:00 PM – 3:30 PM

Venue: Room 6009, Level 6, Academic Block

Session Chair: Dr. Mohammad Monirujjaman Khan, North South University

Paper ID 46. Design and Performance Analysis of a Biomedical Implantable Patch Antenna

Tamim Hossain, Reazuddin Mahmud, Hajmina Khanom Juhi, Mohammad Rakin Imtiaz, Rashedul Hoque

Paper ID 62. Design of a Miniaturized UWB Ingestible Antenna for Wireless Capsule Endoscopy

Farhadur Arifin, Pran Kanai Saha

Paper ID 71. Effect of Pump Characteristic (H-Q) Curves on the Efficiency of Total Artificial Heart

Md. Rashidul Islam, Meah Imtiaz Zulkarnain

Paper ID 78. Design and performance measurement of an in-body implantable miniaturized slot dipole rectangular patch antenna for biomedical applications

Nasim Al Islam, Aleef Tajwar Abrar, Ussash Arafat, Akib Jayed Islam, Rashedul Hoque

Paper ID 95. Performance Analysis of SSVEP Based Wireless Brain Computer Interface for Wet and Dry Electrode

Md. Kamrul Hasan, Chayan Mondal, Nahid Al Mahmud, and Mohiuddin Ahmad

Paper ID 184. A Simulation Study on Viscosity Change Effects in Ultrasound Based Carotid Atherosclerosis Diagnosis

Dabasish Kumar Saha, A. B. M. Aowlad Hossain

Paper ID 197. Development of Low Cost Wireless ECG Data Acquisition System

Md. Asif Ahamed, Md. Asraf-Ul-Ahad, Md. Hanif Ali Sohag and Mohiuddin Ahmad

Tea Break

Time: 3:30 PM - 4:00 PM, **Venue:** Level 5 Lobby, Academic Block

Technical Session 2-1: Renewable Energy-II

Time: 4:00 PM – 5:00 PM

Venue: Room 6007, Level 6, Academic Block

Session Chair: Dr. Khosru M. Salim, Independent University, Bangladesh

Paper ID 39. Feasibility Assessment of Wind Energy Prospect In Bangladesh And A Proposal of 2MW Wind Power Plant At 'Parky Saikat, Chittagong

Khandakar Abdulla Al Mamun, Md. Akram Hossan, Md. Yasin Arafat, Shafait Ahmed

Paper ID 59. A Feasibility Study of Mini Hydroelectric Power Plant at Sahasradhara Waterfall Sitakunda, Bangladesh

Fahmida Sharmin Jui, Sabrina Alam, Md. Didarul Alam, and Sabuj Chowdhury

Paper ID 69. Designing and Implementation of Small Scale Multi Stage Wind Turbine

Mohsin Sajjad, Towsif Ahmed

Paper ID 144. Optimization of Unit Commitment Problem for Wind-Thermal Generation using Fuzzy Optimization Technique

Mohammad Shoaib Shahriar, Md. Juel Rana, Mohammed Afzal Asif, Md. Mahmudul Hasan, Md. Masum Hawlader

Technical Session 2-2: Microprocessor, Microcontroller and VLSI

Time: 4:00 PM – 5:00 PM

Venue: Room 6008, Level 6, Academic Block

Session Chair: Prof. Satyendra N. Biswas, Ahsanullah University of Science & Technology

Paper ID 32. Design of a Single Chip Digital Weighing Machine Using ATmega32 Microcontroller Architecture

Golam Mostafa

Paper ID 34. Development of an 8-Bit Microcontroller Learning System Using 89S52 Architecture

Golam Mostafa

Paper ID 156. Microcontroller Based Home Automation System Using Bluetooth, GSM, Wi-Fi and DTMF

Neaz Md. Morshed, G.M. Muid-Ur-Rahman, Md. Rezaul Karim and Hasan U. Zaman

Paper ID 203. Performance Analysis of Ternary Content Addressable Memory (TCAM)

Md. Atik Foysal, Md. Zahidul Anam, Md. Shoriful Islam, Intisar Tahmid, Kartick Mondal

Technical Session 2-3: RF & Microwave Systems, Antenna

Time: 4:00 PM – 5:00 PM

Venue: Room 6009, Level 6, Academic Block

Session Chair: Dr. A. K. M. Baki, Ahsanullah University of Science & Technology

Paper ID 44. Earthquake Monitoring and Warning System

Rahinul Hoque, Shoaib Hassan, Md. Akter Sadaf, Asadullahil Galib and Tahia Fahrin Karim

Paper ID 64. Influence of Ellipsoid Particle Size Distribution on Microwave and Millimeter Wave Frequencies

Mohd Ghazli Hamza, Liza A. Latiff and Abd. S. Alfagi

Paper ID 84. Design and Analysis of A Low-Profile, Elliptical Patch Super Wide Band (SWB) MIMO Antenna

Md. Ashif Islam Oni, Shahriar Hasan Shehab, Shahreen Hassan, Shuvashis Dey

Paper ID 158. Molecular Simulation of Hydrogen Plasma Irradiation into Bubble-formed Tungsten Material

Seiki Saito, Hiroaki Nakamura, Masayuki Tokitani

Paper ID 199. Demonstration on Performance Characteristics of Microstrip Low-Pass Filter for Various Substrates Employing Tschebycheff Distribution
Shakhawat Parvez, Nazmus Sakib, Md. Nurunnabi Mollah

Day 2

18 December 2015, Friday

Registration & Conference Kit Distribution

Time: 08:00 AM – 9:00 AM

Venue: Level 5 Lobby, Academic Block

Key Note 3

Time: 09:15 AM - 10:00 AM

Venue: Lecture Gallery 5002, Academic Block

Session Chair: Prof. Kazi Khairul Islam, Islamic University of Technology

Title: The Changing Scenario in Electrical Power Generation and Grid Modernization for Smarter and Sustainable Solutions

Speaker: Dr. Syed Mofizul Islam
Professor, Curtin University, Australia

Tea Break

Time: 10:00 AM - 10:30 AM, **Venue:** Level 5 Lobby, Academic Block

Technical Session 3-1: Signal and Image Processing

Time: 10:30 AM – 12:00 PM

Venue: Room 6007, Level 6, Academic Block

Session Chair: Dr. Mahbub Murshed, Independent University, Bangladesh

Paper ID 8. Real-Time Hand Detection and Tracking with Depth Values

Md. Farhad Zaman, Samma Tasnim Mossarrat, Fahad Islam and Debajyoti Karmaker

Paper ID 20. Improving Facial Recognition Accuracy by Applying Liveness Monitoring Technique

A. Asaduzzaman, A. Mummidi, Muhammad F. Mridha and Fadi N. Sibai

Paper ID 43. Fabric Defect Classification with Geometric Features Using Bayesian Classifier

Md. Mozaharul Mottalib, Md. Tarek Habib, M. Rokonuzzaman, Farruk Ahmed

Paper ID 57. Risk Analysis of Buildings using an Expert System: A Case Study in Bangladesh

Muhammed Jamshed Alam Patwary, Shakhawat Hossain

Paper ID 77. Performance Studies of Different Closed Loop Glucose Controllers for Treating Type 1 Diabetes Mellitus

Sanaul Haque, Piplu Sony Paul, Md. Shaikh Ahmed, Md. Asif Uz Zaman, Md. Abdul Mannan

Paper ID 149. Implementation of An EOG Based Security System by Analyzing Eye Movement Patterns

Md. Shazzad Hossain, Kristie Huda, S. M. Sadman Rahman and Mohiuddin Ahmad

Paper ID 175. Development of Rhythm Practice Supporting System with Real-time Onset Detection

Masanao Yamada, Akihiro Matsuo

Paper ID 180. Database Optimization of the Source Code to Recommend Software Developers using Canonical Order Tree Algorithm

T.M. Amir-UI-Haque Bhuiyan, Mehedi Hasan Talukder, Ziaur Rahman, Mohammad Motiur Rahman

Technical Session 3-2: Communication Systems and Networks

Time: 10:30 AM – 12:00 PM

Venue: Room 6008, Level 6, Academic Block

Session Chair: Dr. A. K. M. Muzahidul Islam, MJIIT, Universiti Teknologi Malaysia

Paper ID 51. A Survey of Spectrum Sensing Techniques in Cognitive Radio Network

Md. Zulfikar Alom, Tapan Kumar Godder, Mohammad Nayeem Morshed

Paper ID 66. A comparative study of WLAN security protocols: WPA, WPA2

Abdillahi Hassan Adnan, Mohamed Abdirazak, A. B. M Shamsuzzaman Sadi, Towfique Anam, Sazid Zaman Khan, Mohammed Mahmudur Rahman, Mohamed Musse Omar

Paper ID 96. Interference Free Cooperative Spectrum Sharing in Cognitive Radio Networks using Spatial Modulation

Md Fazlul Kader, Soo Young Shin

Paper ID 122. Improved Quality of Service in ZigBee Network with Statistical Modeling

Nazrul Islam, Md. Jaminul Haque Biddut, Asma Islam Swapna, Sayed Asaduzzaman

Paper ID 146. Dynamic Spectrum Allocation for Cognitive Radio Ad hoc Network

Mahdi Zareei, A. K. M. Muzahidul Islam, Nafees Mansoor, Sabariah Baharun

Paper ID 168. An Experimental Study of WSN Transmission Power Optimisation Using MICAz Motes

Yusnaidi Md Yusof, A. K. M. Muzahidul Islam, Sabariah Baharun

Paper ID 169. Adaptive Tree-Based Routing for Multi-Channel Wireless Sensor Network

Nur Syazwani Ghazali, Sabariah Baharun, A. K. M. Muzahidul Islam, Koichi Wada

Technical Session 3-3: Wireless Communications

Time: 10:30 AM – 12:00 PM

Venue: Room 6009, Level 6, Academic Block

Session Chair: Dr. Shahrum Shah Bin Abdullah, MJIIT, Universiti Teknologi Malaysia

Paper ID 28. An Analysis of Smart Grid Communication Infrastructure & Cyber Security in Smart Grid

Sharmin Jahan, Rabeya Habiba

Paper ID 50. Radio Network Optimization

Raisha Nazmul and Hasan U. Zaman

Paper ID 139. Optimizing and Enhancing Performance of Database Engine Using Data Clustering Technique

Md. Hafizur Rahman, Faisal Bin Al Abid, M. N. Zaman, Md. Nasim Akhtar

Paper ID 153. Behavior Analysis of Minimum Mean Square Error Equalizer of MIMO Wireless Channel

Md. Saiful Islam, Md. Shoriful Islam, Nezam Uddin, Devashish Basak

Paper ID 165. Mobile Phone to Mobile Phone Wireless Power Transfer

Hasan U. Zaman, Touhidul Islam, Kazi Shanjidul Hasan, Rifat Kamal Antora

Paper ID 171. Observation of the Common Phenomena from a MATLAB Model for M/M/1 Queuing System

Nourin Kadir

Paper ID 204. Implementation of Remote Laboratory for Engineering Education in the field of Power Electronics and Telecommunications

Emranul Haque, Feroz Ahmed, Saurav Das and Khosru M. Salim

Lunch Break

Time: 1:00 PM - 2:00 PM, **Venue:** IUB Cafeteria Faculty Dining Hall

Technical Session 4-1: Power Electronics & Drives-I

Time: 2:00 PM – 3:30 PM

Venue: Room 6007, Level 6, Academic Block

Session Chair: Dr. Avik Vattacharya, Indian Institute of Technology Roorkee

Paper ID 53. Simulation of DC to DC Converter with Embedded Snubber Circuit Maximum Power Point Tracking

Ahmad Shaharuddin Bin Mat Su, Rasli Bin Abd. Ghani

Paper ID 56. Hardware Implementation of Grid connected transformer-less semi-Z-source inverter topology to mitigate common mode leakage current and THD

Shameem Ahmad, Tofael Ahmed, Saad Mekhilef, Shuvra Saha, Nasim Al Islam, Ussash Arafat, Hasna Rahman Hashi

Paper ID 94. Input Switched High Performance Single Phase Single Switch C^uk AC-DC converter

Md. Shamsul Arifin, Mohammad Jahangir Alam

Paper ID 98. An Efficient Wind Speed Sensor-less MPPT Controller Using Adaptive Neuro-Fuzzy Inference System

M. M. Atiqur Rahman, A. H. M. A. Rahim

Paper ID 99. Generation of Switching Pulses for Operating a Double Purpose Converter Using Microcontroller

Adnan Mohammad, S. M. Baque Billah, Syed Khalid Rahman, Omar Ahmed, Md. Ariful Islam and S. A. M. Shah Ul Amin

Paper ID 100. Design & Simulation of Grid Connected Photovoltaic System using Simulink

Saiful Islam Rasel, Rahanuma Nireen Ali, Md. Sarwar Uddin Chowdhury, Mohammed Mahedi Hasan

Technical Session 4-2: Robotics, Control and Automation

Time: 2:00 PM – 3:30 PM

Venue: Room 6008, Level 6, Academic Block

Session Chair: Dr. Lamia Iftekhar, North South University

Paper ID 29. Performance Improvement of PID Controller for AVR System Using Particle Swarm Optimization

Sheikh Abid Hossain, Sourav Roy, Animesh Karmaker, Md. Rafiqul Islam

Paper ID 65. A Comparative Analysis of Two Different PCF Structures for Gas Sensing Application

Md. Faizul Huq Arif, Kawsar Ahmed and Sayed Asaduzzaman

Paper ID 101. Home Appliances Control Using Mobile Phone

Md. Tanvir Ahammed, Partha Pratim Banik

Paper ID 151. Remotely Operated Underwater Vehicle with Surveillance System

Bhuiyan Muhammad Muktashif Anwar, Md Aliul Ajim, Sabrina Alam

Paper ID 161. A Cost-Effective Design and Development of A Surveillance Robot

Md. Ariful Islam, Wahidul Ahad, Mohammad Faisal, Hasan U. Zaman

Technical Session 4-3: Power Systems-I

Time: 2:00 PM – 3:30 PM

Venue: Room 6009, Level 6, Academic Block

Session Chair: Prof. Shahriar Khan, Independent University, Bangladesh

Paper ID 30. Development of a Bright Display Electrical Energy Meter using ATmega8 Architecture

Golam Mostafa

Paper ID 41. Frequency Transient Analysis of Countrywide Blackout of Bangladesh Power System on 1st November, 2014

Md. Arifur Kabir, M. Mahmudul Hasan Sajeeb, Md. Nazrul Islam, A. Hasib Chowdhury

Paper ID 70. Implementation of Fuzzy Unified Power Flow Controller to Control Power Flow Dynamically in Transmission Line

Shameem Ahmad, Fadi M. Albatsh and Saad Mekhilef, Farhana Choudhury, Al Amin Hossain, Md. Mahmudul Hasan, Shaikat Kanti Nath

Paper ID 76. Different Perspectives of Energy Market in Bangladesh

Tanzia Mahbub Redi, Nawshin Islam, Anna Mostarin, Taskin Jamal

Paper ID 115. Comparison of Series and Combined Series Shunt Compensation on East-West Interconnectors of Bangladesh Power System

M. Shafiul Alam, A. Hasib Chowdhury, Md. Nazmul Hasan

Tea Break

Time: 3:30 PM - 4:00 PM, **Venue:** Level 5 Lobby, Academic Block

Technical Session 5-1: Power Electronics & Drives-II

Time: 4:00 PM – 5:30 PM

Venue: Room 6007, Level 6, Academic Block

Session Chair: Prof. Syed Mofizul Islam, Curtin University, Australia

Paper ID 121. Torque Sensor Based Electrically Assisted Hybrid Rickshaw-Van with PV Assistance and Solar Battery Charging Station

F. R. Khan, A. T. Aurony, A. Rahman, F. Munira, N. Halim and A. Azad

Paper ID 128. Design and Performance Analysis of a Single Phase Rectification System by using Cuk converter and EMI filter

Md. Khurshedul Islam, Md. Nurul Azim Talukdar, Md. Imtiaz Mahmud, Sk. Md. Golam Mostafa

Paper ID 132. Transformer less, Lower THD and Highly Efficient Inverter System

Md. Khurshedul Islam, Md. Mizanur Rahman, Md. Fazle Rabbi

Paper ID 163. The Next Generation of Irrigation

Hasan U. Zaman, Rakibul Islam Dinar, Sk Ibtesham Ahmed, A.S.M. Foyzal

Paper ID 170. Transformerless Dual Inverter Based Series Injected Shunt Active Power Filter

Medha Pandey, Anirban Sinha Ray, Avik Bhattacharya

Paper ID 176. Experimental Assessment of PV Arrays Connected to Buck-Boost Converter using MPPT and Non-MPPT Technique by Implementing in Real Time Hardware

Deepak Kumar Chy, Md. Khaliluzzaman

Paper ID 181. A Novel DMC based SST for Voltage and Frequency Regulation of PMSG based WECS

Haris Ahmed, Avik Bhattacharya

Technical Session 5-2: Power Systems-II

Time: 4:00 PM – 5:30 PM

Venue: Room 6008, Level 6, Academic Block

Session Chair: Prof. Shahriar Khan, Independent University, Bangladesh

Paper ID 33. Development of a Single Phase Prepaid Electrical Energy Meter using 89S8252 Microcontroller Architecture

Golam Mostafa

Paper ID 116. Continuous Wavelet Transform Based Analysis of Low Frequency Oscillation in Power System

Md. Juel Rana, M. Shafiul Alam, Md. Shariful Islam

Paper ID 131. Problem Analysis and Probable Solution of Existing Interconnected Grid System of Chittagong Region

Md. Khurshedul Islam, Md. Mizanur Rahman, Md. Fazle Rabbi

Paper ID 167. Loss Minimization in Rural Distribution Systems from Double Digit to Single Digit

S. K. Roy, N. K. Roy

Paper ID 187. A Tabu-based Heuristic Optimization Algorithm for Load Shedding Minimization

Jannatul Ferdous, Swakkhar Shatabda and Mohammad Nurul Huda

Technical Session 5-3: Nanotechnology, MEMS and NEMS

Time: 4:00 PM – 5:30 PM

Venue: Room 6009, Level 6, Academic Block

Session Chair: Dr. K. M. A. Salam, North South University

Paper ID 5. Temperature Effect on Electronic Properties of Armchair Graphene Nanoribbon

Turja Nandy, Asif Hassan, Arin Dutta, Ahmad Tawsif

Paper ID 27. Strain-dependent Optical Properties of [113]-oriented InGaAs/GaAs Quantum Well

Sourav Roy, Mehedi Hassan, Animesh Karmaker, Swadesh Poddar, Md. Shazzad Hossain

Paper ID 47. Effect of Lightly Doped Drain on the Electrical Characteristics of CMOS Compatible Vertical MOSFETs

D. H. Rubel, Kai Sun, S. Hall, P. Ashburn and M. M. A. Hakim

Paper ID 68. Numerical Analysis of Performance Improvement of Modified ITO Based Organic Light Emitting Diode

Riku Chowdhury, Md. Rashedul Haq, Sukanta Paul, Md. Sarwar Uddin Chowdhury

Paper ID 83. Characteristics of Triple Material Gate AlGaIn/GaN High Electron Mobility Transistor

Md. Tashfiq Bin Kashem, Samia Subrina, Member

Paper ID 87. Electronic Structure of Stacking Dependent Tri-layer Graphene on Cu Substrate

Tahmid Sami Rahman, Emroz Khan, Samia Subrina

Paper ID 111. Intensity and Phase Noise of Semiconductor Lasers Operating in Single Mode

Farhan-Bin-Tarik, Rawdah Mahmood, Sazzad M.S. Imran

Paper ID 112. Effects of the Field-dependence of the Carrier Mobility on the Base Transit Time of SiGe HBTs Having Non-uniformly Doped Base

Md. Mahfuzul Haque, Md. Iqbal Bahar Chowdhury

Paper ID 113. Analytical Modeling of J-V Characteristics of CIGS Based Thin Film Solar Cell Considering Voltage and Space Dependent Electric Field in the Absorber Layer

Ashiq Been Rahim, Abdullah Sakib Hasan, Protik Biswas, Aman Ullah, Md. Iqbal Bahar Chowdhury

Conference Dinner, Dr. Fatema Rashid Best Paper Award, Reception & Closing Ceremony

Chief Guest:

Dr. Ljiljana Trajkovic, President, IEEE Systems, Man & Cybernetics Society & Professor, Simon Fraser University, Canada

Special Guest:

Engr. Nurul Aktar, CEO & Director, Energypac Electronics Ltd.

Date: 18 December 2015, Friday

Time: 7:00 PM-9:00 PM

Venue:

Restaurant Baton Rouge, Pink City (7th Floor), Plot-15, Road-103, Gulshan-2
Phone: 01724125457, Website: www.batonrouge-casagreek.com

Day 3

19 December 2015, Saturday

Half day city tour: USD 50 per person (Please register at the conference site)

Presentation Timing Details

Contributed papers:

Presentation 10 mins
Q & A 3 mins

Keynote & Invited papers:

Presentation 30 mins ~ 40 mins
Q & A 5 mins
