Program Schedule: ICEEICT-2014

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| Conference Kit Collection | | | | | | |
| **April 09, 2014**  **03:00-06:00 pm** | | | | **Central Conference Room**  **Tower Bldg – 1 (2nd Floor)** | | |
| Technical Sessions, Day – 1, Thursday, 10th April, 2014 | | | | | | |
| **Time** | | **Program** | | | **Venue** | |
| 08:00-09:30 am | | Conference kit collection | | | Central Conference Room  Tower Bldg – 1 (2nd Floor) | |
| 09:30-10:30 am | | Inaugural Ceremony | | | Multipurpose Hall  Tower Bldg – 1 (10th Floor) | |
| 10:30-11:00 am | | Tea | | | Tower Bldg – 1 (2nd Floor) | |
| 11:05-11:15 am | | Opening of Technical Exhibition | | | Car Parking Tower Bldg - 1 | |
| 11:15-12:45 pm | | Video Presentations by Sponsors | | | Venue: Multipurpose Hall  Tower Bldg – 1 (10th Floor) | |
| 12:45-02:30 pm | | Lunch | | | Tower Bldg – 1 (2nd Floor) | |
| 02:30-03:00 pm | | Opening of Poster Session & Project Show | | | Tower Bldg - 1  (Ground Floor) | |
| 03:00-06:00 pm | 03:00-05:00 pm | Plenary Session-1 | | | Multipurpose Hall  Tower Bldg – 1 (10th Floor) | |
| 05:00-05:15 pm | Tea | | | Venue: 2nd Floor,  Tower Bldg - 1 | |
| 03:30-06:30 pm | Tutorial on Biometric Security  By Dr Shaikh Anowarul Fattah | | | Room No : 304 (Tower Bldg -II) Multimedia & Graphics Lab | |
| Technical Sessions, Day – 2, Friday, 11th April, 2014 | | | | | | |
| 08:00-08:30 am | | Conference kit collection | | | Central Conference Room  Tower Bldg – 1 (2nd Floor) | |
| 08:30-10:30 am | | Technical Session-1 | | | * A1: Room : 402 (TB - I) Artificial Intelligence Lab * B1: Room : 404 (TB - I) Software Engineering Lab * C1: Room : 201 (TB - I) | |
| 10:30-10:45 am | | Tea | | | Tower Bldg – 1 (2nd Floor) | |
| 10:45-12:45 am | | Plenary Session-2 | | | Multipurpose Hall  Tower Bldg – 1 (10th Floor) | |
| 12:45-02:30 pm | | Lunch | | | Tower Bldg – 1 (2nd Floor) | |
| 02:30-04:30 pm | | Technical Session-2 | | | * A2: Room : 402 (TB - I) Artificial Intelligence Lab * B2: Room : 404 (TB - I) Software Engineering Lab * C2: Room : 201 (TB - I) | |
| 03:00-04:30 pm | | Poster paper presentation | | | Tower Bldg – 1 (2nd and 4th Floor) | |
| 04:30-04:45 pm | | Tea | | | Tower Bldg – 1 (2nd Floor) | |
| 4:45-6:45 pm | | Technical Session-3 | | | * A3: Room : 402 (TB - I) Artificial Intelligence Lab * B3: Room : 404 (TB - I) Software Engineering Lab * C3: Room : 201 (TB - I) | |
| Day – 3, Saturday, 12th April, 2014 | | | | | | |
| 08:30-10:30 am | | | Technical Session-4 | | | * A4: Room : 402 (TB - I) Artificial Intelligence Lab * B4: Room : 404 (TB - I) Software Engineering Lab * C4 : Room : 201 (TB - I) |
| 10:30-10:45 am | | | Tea | | | Tower Bldg – 1 (2nd Floor) |
| 10:45-11:45 am | | | Technical Session- 5 | | | * A5: Room : 402 (TB - I) Artificial Intelligence Lab * B5: Room : 404 (TB - I) Software Engineering Lab * C5 : Room : 201 (TB - I) |
| 11:45-12:45 pm | | | Plenary Session- 3 | | | Multipurpose Hall  Tower Bldg 1 (10th Floor) |
| 12:45-02:30 pm | | | Lunch | | | Tower Bldg – 1 (2nd Floor) |
| 02:30-04:30 pm | | | Technical Session-6 | | | * A6: Room : 402 (TB - I) Artificial Intelligence Lab * B6: Room : 404 (TB - I) Software Engineering Lab * C6: Room : 201 (TB - I) |
| 04:30-04:45 pm | | | Tea | | | Tower Bldg – 1 (2nd Floor) |
| 4:45-6:30 pm | | | Plenary Session-4 | | | Multipurpose Hall  Tower Bldg 1 (10th Floor) |
| 6:30-7:15 pm | | | Break | | | |
| 7:15-8:15 pm | | | Cultural Program | | | Multipurpose Hall  Tower Bldg 1 (10th Floor) |
| 8:15-8:30 pm | | | Award Giving Ceremony | | | Multipurpose Hall  Tower Bldg 1 (10th Floor) |
| 8:30-9:30 pm | | | Conference Dinner & Declaration of closing of iCEEiCT 2014 | | | Tower Bldg 1 (2nd Floor) |

**Technical Program**

**Plenary Session – 1, Day-1, Thursday, 10th April, 2014**

**Venue: Multipurpose Hall, Tower Building – I (10th floor) Time : 03:00 - 05:00 pm**

**Session Chair : Prof. Saiful Islam, Dept. of EEE, BUET**

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| **Keynote Session** | **Name of Keynote Speaker** | **Topic** |
| Plenary Talk-1 | Dr. Nowshad Amin | Renewable Energy |
| Plenary Talk-2 | Dr. Mufti Mahmud | Demystifying Neuronal Networks In-Vivo: A Computational Approach |

**Technical Sessions, Day – 2, Friday, 11th April, 2014**

**Technical Session : A - 1**

**Session Title : Circuits and Systems / Control Theory and Applications**

**Venue: Room No : 402, Tower Building - I Time : 08:30 - 10:30am**

**Session Chair : Prof. Pran Kanai Saha, Dept. of EEE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 150 | [Generalized Inverses of Periodic Matrix Pairs and Model Reduction for Periodic Control Systems](http://submit.iceeict.org/chair/show_paper.php?pid=150) |
| 2 | 180 | [Design and Implementation of a Robotic Vehicle With Real-Time Video Feedback Control Via Internet](http://submit.iceeict.org/chair/show_paper.php?pid=180) |
| 3 | 205 | [Co-ordinated Frequency Control of Power System with High Wind Power Penetration](http://submit.iceeict.org/chair/show_paper.php?pid=205) |
| 4 | 296 | [Implementation of a Driver Circuit in 65nm CMOS techonology for Body-Coupled Communication](http://submit.iceeict.org/chair/show_paper.php?pid=296) |
| 5 | 352 | [Case-Study:Performance Comparison of Classical and Intelligent Proportional Integral Controller](http://submit.iceeict.org/chair/show_paper.php?pid=352) |

**Technical Session : B-1**

**Session Title : Nanodevices, Nanotechnology, and MEMS / VLSI Design and Fabrication**

**Venue: Room No : 404, Tower Building - I**  **Time : 08:30 - 10:30am**

**Session Chair : Dr. Anisul Haque, Dept. of EEE, EWU**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 168 | [A Semi –Analytical Model for III-V Semiconductor Quantum Well Field Effect Transistors](http://submit.iceeict.org/chair/show_paper.php?pid=168) |
| 2 | 190 | [Optical characterization of Intrinsic Poly Silicon Film for Photovoltaic Application on Sapphire and TiO2 Substrate by HWCVD](http://submit.iceeict.org/chair/show_paper.php?pid=190) |
| 3 | 242 | [First-principles Calculations of Electronic, Optical and Elastic Properties of Y8CoIn3](http://submit.iceeict.org/chair/show_paper.php?pid=242) |
| 4 | 312 | [A Novel Presentation of Reversible Logic Gate in Quantum-dot Cellular Automata (QCA)](http://submit.iceeict.org/chair/show_paper.php?pid=312) |
| 5 | 317 | [Dependency of Heterojunction Transistors’ Speed on Various Physical Parameters: A Comparative Study of SiGe&AlGaAs HBTs](http://submit.iceeict.org/chair/show_paper.php?pid=317) |
| 6 | 394 | [Fabrication of Digitalized Spin Coater for Deposition of ZnO Thin Films](http://submit.iceeict.org/chair/show_paper.php?pid=394) |
| 7 | 406 | [Simulation of Quantum Capacitance in Graphene Nanoribbons Considering Channel Width Variation](http://submit.iceeict.org/chair/show_paper.php?pid=406) |

**Technical Session-1, C-1**

**Session Title : Optical Communication and Networks**

**Venue: Room No : 201, Tower Building - I**  **Time : 08:30 - 10:30am**

**Session Chair : Prof. Md. Saiful Islam, IICT, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 148 | [Ultra High Speed Coherent Optical Communication Using Digital Signal Processing Techniques Along With Advanced Modulation System](http://submit.iceeict.org/chair/show_paper.php?pid=148) |
| 2 | 173 | [Performance of Different Modulation Formats in 40 Gb/s Optical Systems in the Presence of Polarization Mode Dispersion and Nonlinear Effects](http://submit.iceeict.org/chair/show_paper.php?pid=173) |
| 3 | 174 | [Performance of Multilevel Modulation Formats in 92 Gb/s Systems in the Presence of PMD and Nonlinear Effects](http://submit.iceeict.org/chair/show_paper.php?pid=174) |
| 4 | 212 | [Improvement of BER Performance in DS-OCDMA System using Chirped Pulses under GVD Regime](http://submit.iceeict.org/chair/show_paper.php?pid=212) |
| 5 | 235 | [OSNR Improvement of Coherent Uncompensated Optical Transmission Systems for Various Commercial Optical Fiber Types](http://submit.iceeict.org/chair/show_paper.php?pid=235) |
| 6 | 236 | [Evaluation of Nonlinear Propagation Effects on Coherent Optical Transmission Systems for Various Commercial Optical Fiber Types](http://submit.iceeict.org/chair/show_paper.php?pid=236) |
| 7 | 243 | [Effect of Four Wave Mixing Nonlinearity in Wavelength Division Multiplexing Radio over Fiber](http://submit.iceeict.org/chair/show_paper.php?pid=243) |

**Plenary Session-2**

**Venue: Multipurpose Hall, Tower Building – I (10th floor) Time : 10:45 - 12:45 pm**

**Session Chair : Capt M Mahbubur Rahman, Dept of EECE, MIST**

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| **Keynote Session** | **Name of Keynote Speaker** | **Topic** |
| Plenary Talk-3 | Prof. Siddique-e Rabbani | **Indigenous Development of Electro-Medical Devices at Dhaka University** |
| Plenary Talk-4 | Prof. Ranjan Gangopadhyay | DWDM Optical Network |

**Poster Paper Presentation**

**Venue: Tower Building – I (2nd floor, 4th floor) Time : 03:00 - 04:30 pm**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 147 | [Digital Land Management System : A new initiative for Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=147) |
| 2 | 154 | [Wireless Remote Switching System for Controlling Devices with an Algorithm based DTMF Detection](http://submit.iceeict.org/chair/show_paper.php?pid=154) |
| 3 | 191 | [Utilization of Single Phase Inverters in Photovoltaic System](http://submit.iceeict.org/chair/show_paper.php?pid=191) |
| 4 | 193 | [Novel FinFET Domino Logic Circuit Using Dual Keepers](http://submit.iceeict.org/chair/show_paper.php?pid=193) |
| 5 | 194 | [Numeric Rating of Apps on Google Play Store by Sentiment Analysis on User Reviews](http://submit.iceeict.org/chair/show_paper.php?pid=194) |
| 6 | 195 | [Nuclear Power as a Tool for Sustainable Development in Energy Sector in Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=195) |
| 7 | 214 | [A System for Bangla Community to Enhance English Capability through Web Browsing](http://submit.iceeict.org/chair/show_paper.php?pid=214) |
| 8 | 215 | [Boosting Facial Expression Recognition Using LDGP - Local Distinctive Gradient Pattern](http://submit.iceeict.org/chair/show_paper.php?pid=215) |
| 9 | 234 | [Design and Embodiment of larger Quaternary Multiplexer and Demultiplexer](http://submit.iceeict.org/chair/show_paper.php?pid=234) |
| 10 | 238 | [A New Approach for Pattern Recognition with Neuro- Genetic System Using Microbial Genetic Algorithm](http://submit.iceeict.org/chair/show_paper.php?pid=238) |
| 11 | 240 | [Bangla Word Clustering Based on N-gram Language Model](http://submit.iceeict.org/chair/show_paper.php?pid=240) |
| 12 | 261 | [A Novel Color Sensor Based on Uniform Fiber Bragg Gratings](http://submit.iceeict.org/chair/show_paper.php?pid=261) |
| 13 | 276 | [Automated Energy Saving & Safety System](http://submit.iceeict.org/chair/show_paper.php?pid=276) |
| 14 | 281 | [Delaunay Triangulation and st-numbering in Wireless Sensor Network Topology](http://submit.iceeict.org/chair/show_paper.php?pid=281) |
| 15 | 307 | [A signal processing approach of underwater network node estimation with three sensors](http://submit.iceeict.org/chair/show_paper.php?pid=307) |
| 16 | 310 | [An Approach to Demand Side Load Curtailment for the Future Intelligent and Smart Power Grid of Bangladesh.](http://submit.iceeict.org/chair/show_paper.php?pid=310) |
| 17 | 315 | [Performance Evaluation due to Crosstalk in a WDM System using Multi-stage Optical Cross-connect based on FBG-OC](http://submit.iceeict.org/chair/show_paper.php?pid=315) |
| 18 | 322 | [Morphology-Based Exudates detection from color Fundus Images in diabetic retinopathy](http://submit.iceeict.org/chair/show_paper.php?pid=322) |
| 19 | 345 | [Proposal, for SZRP protocol with the establishment of the Salted SHA-256 bit HMAC PBKDF2 advance security system in a MANET.](http://submit.iceeict.org/chair/show_paper.php?pid=345) |
| 20 | 355 | [Line Follower Robot : Fabrication and accuracy measurement by data acquisition](http://submit.iceeict.org/chair/show_paper.php?pid=355) |
| 21 | 370 | [A New Initiative for ERP System Architecture with Mobile Cloud: Aspects of Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=370) |
| 22 | 371 | [RFID Based Virtual Speed Breakers: Perspective Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=371) |
| 23 | 386 | [A New Approach for Road Networks - A Vehicle XML Device collaboration with Big Data](http://submit.iceeict.org/chair/show_paper.php?pid=386) |
| 24 | 387 | [Autonomous Quadcopter for Product Home Delivery](http://submit.iceeict.org/chair/show_paper.php?pid=387) |
| 25 | 391 | [Performance analysis of aerofoil for Unmanned Aerial Vehicle](http://submit.iceeict.org/chair/show_paper.php?pid=391) |
| 26 | 398 | [Optimization of Apodization Profile of Chirped Fiber Bragg Grating for Chromatic Dispersion Compensation](http://submit.iceeict.org/chair/show_paper.php?pid=398) |
| 27 | 401 | [Natural grape dye used as a sensitizer for solar cell applications](http://submit.iceeict.org/chair/show_paper.php?pid=401) |
| 28 | 409 | [Measurement of Gate Delay in Armchair GrapheneNanoribbon Considering Degenerate Regime](http://submit.iceeict.org/chair/show_paper.php?pid=409) |
| 29 | 412 | [Study of Ultra Wideband Wireless Sensors for Body Area Networks](http://submit.iceeict.org/chair/show_paper.php?pid=412) |

**Technical Session : A-2**

**Session Title : Renewable Energy**

**Venue: Room No : 402, Tower Building - I**  **Time : 02:30 - 04:30pm**

**Session Chair : Dr. Md. Nurunnabi Mollah, Dept. of EEE, KUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 170 | [Design and Fabrication of Solar Powered Toy Car](http://submit.iceeict.org/chair/show_paper.php?pid=170) |
| 2 | 176 | [Hydro-PV-Wind-Battery-Diesel Based Stand-Alone Hybrid Power System](http://submit.iceeict.org/chair/show_paper.php?pid=176) |
| 3 | 201 | [Impact of Supercapacitor Placement in Renewable Integrated Microgrid to Minimize Post-fault Frequency Fluctuation](http://submit.iceeict.org/chair/show_paper.php?pid=201) |
| 4 | 274 | [Parametric Analysis of Carbon Nanotube Organic Solar Cells](http://submit.iceeict.org/chair/show_paper.php?pid=274) |
| 5 | 344 | [Tidal Energy: A Solution to Energy Crisis in Coastal Area of Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=344) |
| 6 | 357 | [Heterogeneous Arrays of Storage Devices: An Approach to Get Linear Output with Maximum Efficiency from Energy Systems](http://submit.iceeict.org/chair/show_paper.php?pid=357) |
| 7 | 360 | [Design and Integrate Dual Renewable Energy in A Residential Building of Urban Area : A Step towards the Self–Sustained Smart Energy System for Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=360) |
| 8 | 378 | [Modeling and Performance Analysis of Germanium Based p-i-n Solar Cells](http://submit.iceeict.org/chair/show_paper.php?pid=378) |
| 9 | 411 | [Challenges and Prospects of Cost-Effective Si-based Solar Cells Fabrication in Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=411) |

**Technical Session : B-2**

**Session Title : Electromagnetics / Microwave**

**Venue: Room No : 404, Tower Building - I**  **Time : 02:30 - 04:30pm**

**Session Chair : Prof. M A Matin, Dept. of EEE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 227 | [Design of a Circular Polarization Array Antenna Using Linear Polarization Patches](http://submit.iceeict.org/chair/show_paper.php?pid=227) |
| 2 | 231 | [Distinguishing Performance of 60-GHz Microstrip Patch Antenna for Different Dielectric Materials](http://submit.iceeict.org/chair/show_paper.php?pid=231) |
| 3 | 263 | [Rain Attenuation Prediction for Satellite Communications Link at Ku and Ka Bands Over Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=263) |
| 4 | 286 | [EM Scattering from Conducting Bodies using Non-Orthogonal Locally-One-Dimensional FDTD](http://submit.iceeict.org/chair/show_paper.php?pid=286) |
| 5 | 288 | [Time Dependent Force Outside a Complex Magneto-Dielectric Particle: Abraham-Minkowski Controversy](http://submit.iceeict.org/chair/show_paper.php?pid=288) |
| 6 | 363 | [Comparative Study of Rectangular and Circular Microstrip Patch Antennas in X Band](http://submit.iceeict.org/chair/show_paper.php?pid=363) |
| 7 | 395 | [Segmentation Technique with ADI-FDTD for EM Propagation Modeling in Electrically Large Structure](http://submit.iceeict.org/chair/show_paper.php?pid=395) |
| 8 | 407 | [Comprehensive Study of On-Body Radio Channels at 2.45 GHz for Different Human Test Subjects](http://submit.iceeict.org/chair/show_paper.php?pid=407) |

**Technical Session: C-2**

**Session Title : RF and Wireless / Communications Networks**

**Venue: Room No : 201, Tower Building - I**  **Time : 02:30 - 04:30pm**

**Session Chair : Prof. Mohammad Mahfuzul Islam, Dept. of CSE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 141 | [An Eigen value and Superposition-Based Cooperative Spectrum Sensing for Cognitive Radio Networks](http://submit.iceeict.org/chair/show_paper.php?pid=141) |
| 2 | 186 | [A Secure Communication Suite for Cluster-based Underwater Surveillance Networks](http://submit.iceeict.org/chair/show_paper.php?pid=186) |
| 3 | 188 | [A Novel Idea of Spectrum Management (SM) using Spectrum Load Balancing (SLB) Algorithm](http://submit.iceeict.org/chair/show_paper.php?pid=188) |
| 4 | 229 | [Delivery Likelihood Based Spraying in Delay Tolerant Networks](http://submit.iceeict.org/chair/show_paper.php?pid=229) |
| 5 | 268 | [Performance Evaluation of Energy Efficient Routing Algorithm for Ad Hoc Network](http://submit.iceeict.org/chair/show_paper.php?pid=268) |
| 6 | 329 | [Transport Layer Mobility Protocols: Issues, Challenges and a Comparitive Study](http://submit.iceeict.org/chair/show_paper.php?pid=329) |
| 7 | 368 | [Multi-Priority and Trusted Multi-Path Selection Algorithm for Ad Hoc Network](http://submit.iceeict.org/chair/show_paper.php?pid=368) |
| 8 | 375 | [Improvement of RFID tag detection using smart antenna for tag based school monitoring system](http://submit.iceeict.org/chair/show_paper.php?pid=375) |

**Technical Session : A-3**

**Session Title : Digital Signal and Image Processing**

**Venue: Room No : 402, Tower Building - I**  **Time : 04:45 - 06:45pm**

**Session Chair : Prof. Saidur Rahman, Dept. of CSE, MIST**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 206 | [Response of Different Window Methods in Speech Recognition by Using Dynamic Programming](http://submit.iceeict.org/chair/show_paper.php?pid=206) |
| 2 | 244 | [Apodization Method in UWB SAR imaging](http://submit.iceeict.org/chair/show_paper.php?pid=244) |
| 3 | 349 | [A novel robust blind digital watermarking scheme based on blocking probability](http://submit.iceeict.org/chair/show_paper.php?pid=349) |
| 4 | 399 | [Image Forgery Detection Using Gabor Filters And Dct](http://submit.iceeict.org/chair/show_paper.php?pid=399) |
| 5 | 408 | [Removal of High Density Impulse Noise from Color Images Using an Adaptive Fuzzy Filter](http://submit.iceeict.org/chair/show_paper.php?pid=408) |
| 6 | 415 | [Speech Enhancement Based on Noise-Compensated Phase Spectrum](http://submit.iceeict.org/chair/show_paper.php?pid=415) |
| 7 | 418 | [A Hierarchical Approach of Speech Emotion Recognition Based on Entropy of Enhanced Wavelet Coefficients](http://submit.iceeict.org/chair/show_paper.php?pid=418) |
| 8 | 419 | [Lip Contour Extraction Scheme Using Morphological Reconstruction Based Segmentation](http://submit.iceeict.org/chair/show_paper.php?pid=419) |

**Technical Session : B-3**

**Session Title : Biomedical Engineering**

**Data Communication**

**Venue: Room No : 404, Tower Building - I**  **Time : 04:45 - 06:45pm**

**Session Chair : Prof. Subrata Kumar Aditya, Dept. of APECE, DU**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 185 | [Design & Implementation of a Low Cost Blood Glucose Meter with High Accuracy](http://submit.iceeict.org/chair/show_paper.php?pid=185) |
| 2 | 199 | [Implementation of Stimulating Environment for Lateral External Disability and Autism Treatment by Using Hand Grippers](http://submit.iceeict.org/chair/show_paper.php?pid=199) |
| 3 | 223 | [Removing Power Line Interference from ECG Signal Using Adaptive Filter and Notch Filter](http://submit.iceeict.org/chair/show_paper.php?pid=223) |
| 4 | 289 | [Optical Extraction of Unwanted Biological Cells at Gas-Liquid Interface Using Linearly Polarized Light Wave](http://submit.iceeict.org/chair/show_paper.php?pid=289) |
| 5 | 300 | [Subband Correlation For EEG Data in the Dual Tree Complex Wavelet Transform Domain For the Detection of Epilepsy and Seizure](http://submit.iceeict.org/chair/show_paper.php?pid=300) |
| 6 | 410 | [Neuromuscular Disease Classification Based on Mel Frequency Cepstrum of Motor Unit Action Potential](http://submit.iceeict.org/chair/show_paper.php?pid=410) |
| 7 | 416 | [Motor Imagery EEG Signal Classification Scheme Based on Wavelet Domain Statistical Features](http://submit.iceeict.org/chair/show_paper.php?pid=416) |
| 8 | 417 | [Automatic Bleeding Detection in Wireless Capsule Endoscopy Based on RGB Pixel Intensity Ratio](http://submit.iceeict.org/chair/show_paper.php?pid=417) |

**Technical Session : C-3**

**Session Title : Algorithms and Computation / Computer Graphics, Virtual Reality / Computer Security / Security & Cryptography / Software Engineering**

**Venue: Room No : 201, Tower Building - I**  **Time : 04:45 - 06:45pm**

**Session Chair : Gp Capt Md Afzal Hossain, Dept. of CSE, MIST**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 189 | [Implementation of Computer Vision to Detect Driver Fatigue or Drowsiness to Reduce the Chances of Vehicle Accident](http://submit.iceeict.org/chair/show_paper.php?pid=189) |
| 2 | 198 | [Error Detection & Correction using Horizontal-Vertical-Diagonal-Shift Parity Method](http://submit.iceeict.org/chair/show_paper.php?pid=198) |
| 3 | 216 | [Orthogonal Grid PointsetEmbeddings of Maximal Outerplanar Graphs](http://submit.iceeict.org/chair/show_paper.php?pid=216) |
| 4 | 291 | [Improving the Non-filtering Steganographic Algorithm using LSB Verification Method](http://submit.iceeict.org/chair/show_paper.php?pid=291) |
| 5 | 305 | [A Compare between Shor’s Quantum Factoring Algorithm and General Number Field Sieve](http://submit.iceeict.org/chair/show_paper.php?pid=305) |
| 6 | 377 | [An Easier Approach to Visible Edge Determination from Moving Viewpoint](http://submit.iceeict.org/chair/show_paper.php?pid=377) |
| 7 | 374 | [Patients Management System using Fuzzy Logic: An easier and dynamic appointment system](http://submit.iceeict.org/chair/show_paper.php?pid=374) |

**Technical Sessions, Day – 3, Saturday, 12th April, 2014**

**Technical Session : A-4**

**Session Title : Satellite Navigation / Radar Engineering**

**Venue: Room No : 402, Tower Building - I Time : 08:30 - 10:30am**

**Session Chair : Gp Capt Atul Garg, VSM, Dept. of AE, MIST**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 151 | [Soil Moisture Observation Utilizing Reflected Global Navigation Satellite System Signals](http://submit.iceeict.org/chair/show_paper.php?pid=151) |
| 2 | 308 | [Side Lobe Level Reduction in Antenna Array Using Weighting Function](http://submit.iceeict.org/chair/show_paper.php?pid=308) |
| 3 | 309 | [Comparison of Analog and Digital Pulse Compression Technique and Reduction of Side lobes Using Transversal Filter](http://submit.iceeict.org/chair/show_paper.php?pid=309) |
| 4 | 333 | [A Case Study of Satellite Navigation Reliabiltiy: Bangladesh Perspective](http://submit.iceeict.org/chair/show_paper.php?pid=333) |
| 5 | 340 | [Implementation And Verification Of Simulation Methods To Determine Radar Cross Section Of Simple Targets](http://submit.iceeict.org/chair/show_paper.php?pid=340) |
| 6 | 383 | [A proposed model of aircraft direction finding and integrated architecture of theta-theta-DRDF](http://submit.iceeict.org/chair/show_paper.php?pid=383) |
| 7 | 388 | [Comparison of DOP for GPS and Galileo in the South Asian Region](http://submit.iceeict.org/chair/show_paper.php?pid=388) |

**Technical Session : B-4**

**Session Title : Power Electronics and Drives**

**Venue: Room No : 404, Tower Building - I**  **Time : 08:30 - 10:30am**

**Session Chair : Prof. Abdur Rahim Mollah, Dept. of EEE, AUST**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 157 | [Implementation and Derivation of Working Formula of Three Phase AC Side Switched Active Filter Based Boost Rectifier](http://submit.iceeict.org/chair/show_paper.php?pid=157) |
| 2 | 182 | [Design of a Brushless DC (BLDC) Motor Controller](http://submit.iceeict.org/chair/show_paper.php?pid=182) |
| 3 | 184 | [Smoothening the Output Power of a Fixed Speed IG Based Wind Farm by Using Storage Device along with PMSG](http://submit.iceeict.org/chair/show_paper.php?pid=184) |
| 4 | 237 | [Design and Implementation of One kilowatt Capacity Single Phase Grid Tie Photovoltaic Inverter](http://submit.iceeict.org/chair/show_paper.php?pid=237) |
| 5 | 292 | [Design and Analysis of a Transformer-Less Single-Phase Grid-Tie Photovoltaic Inverter Using Boost Converter with Immittance Conversion Topology](http://submit.iceeict.org/chair/show_paper.php?pid=292) |
| 6 | 304 | [Assessment and Performance Evaluation of Capacitive Property of Inductor and Inductive Property of Capacitor in Linear Circuit](http://submit.iceeict.org/chair/show_paper.php?pid=304) |
| 7 | 328 | [Power Factor Corrected and Output Voltage Regulated Ĉuk Topology based AC-DC Converter](http://submit.iceeict.org/chair/show_paper.php?pid=328) |
| 8 | 354 | [Performance Evaluation of a Micro-controller based Solar Powered Auto-rickshaw](http://submit.iceeict.org/chair/show_paper.php?pid=354) |

**Technical Session : C-4**

**Session Title : Artificial Intelligence and Machine Learning / Database Systems /**

**Internet and Web Applications / ICT**

**Venue: Room No : 201, Tower Building - I**  **Time : 08:30 - 10:30am**

**Session Chair : Prof. Muhammad Masroor Ali, Dept. of CSE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| **1** | 187 | [Learning and Evaluation of Blended Learning Approach for ICT Undergraduate Students](http://submit.iceeict.org/chair/show_paper.php?pid=187) |
| 2 | 192 | [A Probabilistic Approach to Support Self-Organizing Map(SOM) Driven Facial Expression Recognition](http://submit.iceeict.org/chair/show_paper.php?pid=192) |
| 3 | 246 | [Integrated land Information system to ensure the transparency and availability of Information, in context of Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=246) |
| 4 | 248 | [Distributed Cache management architecture to reduce the internet traffic by integrating browser and proxy caches](http://submit.iceeict.org/chair/show_paper.php?pid=248) |
| 5 | 250 | [HELPING HAND -An efficient donation procedure based on mobile banking](http://submit.iceeict.org/chair/show_paper.php?pid=250) |
| 6 | 273 | [Proposed System Design for Deployment of an e-Learning System in Rural Bangladesh](http://submit.iceeict.org/chair/show_paper.php?pid=273) |
| 7 | 311 | [Web, Mobile and Computer Related Model to Bridging the Disability Digital Divide in Sri Lanka](http://submit.iceeict.org/chair/show_paper.php?pid=311) |
| 8 | 341 | A Robust Approach To The Recognition Of Text Based Bangla Road Sign |
| 9 | 373 | [ICT in Sri Lankan Cinnamon Industry: Impact of Language Barriers and Digital Divide](http://submit.iceeict.org/chair/show_paper.php?pid=373) |

**Technical Session : A-5**

**Session Title : Bio-informatics**

**Venue: Room No : 402, Tower Building - I**  **Time : 10:45 - 11:45 am**

**Session Chair : Dr. S. M. Mahbubur Rahman, Dept. of EEE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 178 | [Human Face Recognition Using PCA based Genetic Algorithm](http://submit.iceeict.org/chair/show_paper.php?pid=178) |
| 2 | 298 | [Face Recognition System using PCA-ANN Technique with Feature Fusion Method](http://submit.iceeict.org/chair/show_paper.php?pid=298) |
| 3 | 324 | [Optimizing DNA Sequences using Tetra-nucleotide RankList](http://submit.iceeict.org/chair/show_paper.php?pid=324) |
| 4 | 414 | [Palm-print Recognition Based on DCT Domain Statistical Features Extracted from Enhanced Image](http://submit.iceeict.org/chair/show_paper.php?pid=414) |

**Technical Session : B-5**

**Session Title : Energy Conversion / High Voltage Engineering and Protection**

**Venue: Room No : 404, Tower Building - I**  **Time : 10:45 - 11:45 am**

**Session Chair : Prof. Enamul Bashar, Dept. of EEE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 196 | [Prospect of Combined Cycle Power Plant over Conventional Single Cycle Power Plants in Bangladesh: A Case Study](http://submit.iceeict.org/chair/show_paper.php?pid=196) |
| 2 | 211 | [HVDC over HVAC Power Transmission System : Fault Current Analysis and Effect Comparison](http://submit.iceeict.org/chair/show_paper.php?pid=211) |
| 3 | 302 | [Impact study on a generation rich island and development of frequency based auto load shedding scheme to improve service reliability of the island](http://submit.iceeict.org/chair/show_paper.php?pid=302) |
| 4 | 303 | [The study of dependency of power system stability on system inertia constant for various contingencies](http://submit.iceeict.org/chair/show_paper.php?pid=303) |

**Technical Session : C-5**

**Session Title : Smart Power Grid / Power Line Communication**

**Venue: Room No : 201, Tower Building - I**  **Time : 10:45 - 11:45 am**

**Session Chair : Dr. Abdul Hasib Chowdhury, Dept. of EEE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 278 | [Performance Analysis of a Power Line Communication System with Multi-Carrier DS-CDMA](http://submit.iceeict.org/chair/show_paper.php?pid=278) |
| 2 | 279 | [Performance Analysis of a OFDM SISO Powerline Communication System with Non-white Gaussian Channel Noise](http://submit.iceeict.org/chair/show_paper.php?pid=279) |
| 3 | 361 | [Performance Analysis of Different Search Algorithms in Optimization of Power System Operation](http://submit.iceeict.org/chair/show_paper.php?pid=361) |
| 4 | 367 | [Performance Analysis of a Space-Frequency Block Coded OFDM Wireless Communication System with MSK and GMSK Modulation](http://submit.iceeict.org/chair/show_paper.php?pid=367) |
| 5 | 389 | [Performance Analysis of an OFDM Broadband Power Line Communication (BPLC) System using Multipath Channel Models](http://submit.iceeict.org/chair/show_paper.php?pid=389) |

**Plenary Session-3**

**Venue: Multipurpose Hall, Tower Building – I (10th floor) Time : 11:45 - 12:45 pm**

**Session Chair : Dr. Shah Alam, Dept. of EEE, BUET**

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| **Keynote Session** | **Name of Keynote Speaker** | **Topic** |
| Plenary Talk-5 | Prof. A B M Harun ur-Rashid | VLSI Technology |

**Technical Session : A-6**

**Session Title : Embedded Systems / Robotics & Automation**

**Venue: Room No : 402, Tower Building - I**  **Time : 2:30 - 4:30 pm**

**Session Chair : Dr. Kaushik Dev, Dept. of CSE, CUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 159 | [Automated Walk-in Assistant for the Blinds](http://submit.iceeict.org/chair/show_paper.php?pid=159) |
| 2 | 177 | [Microcontroller Based Robotic Arm](http://submit.iceeict.org/chair/show_paper.php?pid=177) |
| 3 | 225 | [Design of a Low Cost PC interface Six DOF Robotic Arm Utilizing Recycled Materials](http://submit.iceeict.org/chair/show_paper.php?pid=225) |
| 4 | 230 | [Design and Implementation of SPI Bus Protocol with BuilTB - In-Self-Test Capability over FPGA](http://submit.iceeict.org/chair/show_paper.php?pid=230) |
| 5 | 255 | [Vibration Data Acquisition and Visualization System using MEMS Accelerometer](http://submit.iceeict.org/chair/show_paper.php?pid=255) |
| 6 | 285 | [Smart Meter Assisted Electric Energy Management Schemes for Power Distribution and Residential Customer Usage](http://submit.iceeict.org/chair/show_paper.php?pid=285) |
| 7 | 362 | [AHRS Based Stationary Detection Detection](http://submit.iceeict.org/chair/show_paper.php?pid=362) |

**Technical Session : B-6**

**Session Title : Opto-electronics and Photonics**

**Venue: Room No : 404, Tower Building - I**  **Time : 2:30 - 4:30 pm**

**Session Chair : Dr. Deen Md Khoshru Quazi, Dept. of EEE, BUET**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 166 | [Phase Modulated Circles in a Sunflower-type Circular Photonic Crystal with Ultra-small Mode Area and High-Q Cavity](http://submit.iceeict.org/chair/show_paper.php?pid=166) |
| 2 | 169 | [Analysis of Dispersion and Confinement Loss in Photonic Crystal Fiber](http://submit.iceeict.org/chair/show_paper.php?pid=169) |
| 3 | 221 | [Performance Analysis of a Designed 635nm Compressively Strained Red Laser under Variant Temperature Condition](http://submit.iceeict.org/chair/show_paper.php?pid=221) |
| 4 | 262 | [Highly Birefringence Elliptical Hole Photonic Crystal Fiber for Pressure Sensing](http://submit.iceeict.org/chair/show_paper.php?pid=262) |
| 5 | 265 | [Design Analysis of InN/InGaN Quantum Well Laser with GaN Layers at 1320-1350 nm Wavelength](http://submit.iceeict.org/chair/show_paper.php?pid=265) |
| 6 | 284 | [Optimized Characteristics of a Designed Oxide Confied 420nm MQW Blue-Violet Laser by Varying Differential Gain](http://submit.iceeict.org/chair/show_paper.php?pid=284) |
| 7 | 295 | [A square lattice photonic crystal fiber based surface plasmon resonance sensor with high sensitivity](http://submit.iceeict.org/chair/show_paper.php?pid=295) |
| 8 | 369 | [Low Dispersion Nonlinear Polarization Maintaining Photonic Crystal Fiber Using Hybrid Cladding](http://submit.iceeict.org/chair/show_paper.php?pid=369) |

**Technical Session : C-6**

**Session Title : Wireless / Optical Communication**

**Venue: Room No : 201, Tower Building - I**  **Time : 2:30 - 4:30 pm**

**Session Chair : Prof. A B M Siddique Hossain, Dept. of EEE, AIUB**

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| **Ser No** | **Paper ID** | **Title of the paper** |
| 1 | 143 | [Analytical Error Rate Performance Evaluation of a Multi-Keyhole Wireless MIMO Channel based on Largest Eigenvalue Distribution](http://submit.iceeict.org/chair/show_paper.php?pid=143) |
| 2 | 145 | [Performance Analysis of OFDM based Decode-and-Forward relay over Nakagami fading channel](http://submit.iceeict.org/chair/show_paper.php?pid=145) |
| 3 | 346 | [Low-Complexity Blind Phase Noise Compensation in OFDM Systems](http://submit.iceeict.org/chair/show_paper.php?pid=346) |
| 4 | 336 | [Crosstalk Analysis of a DWDM System with FBG-based Optical Multi/De-multiplexer](http://submit.iceeict.org/chair/show_paper.php?pid=336) |
| 5 | 348 | [A New Modified Prime Codes for Higher User Capacity in Smart Synchronous OCDMA Network](http://submit.iceeict.org/chair/show_paper.php?pid=348) |
| 6 | 422 | [Performance Analysis of a Free Space Optical Link in the Presence of Pointing Errors with Space Diversity](http://submit.iceeict.org/chair/show_paper.php?pid=422) |

**Plenary Session-4**

**Venue: Multipurpose Hall, Tower Building – I (10th floor) Time : 04:45 - 06:30 pm**

**Session Chair : Dr. Farruk Ahmed, IUB**

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| **Keynote Session** | **Name of Keynote Speaker** | **Topic** |
| Plenary Talk-6 | Prof. Zhang Qishan | GNSS Overview |
| Plenary Talk-7 | Prof. Md. Shorif Uddin | Enabling Biological Discoveries Through Bio-Imaging Informatics |