

**2018 International Conference on
Innovations in Science, Engineering and Technology
ICISSET 2018**

Programs at a glance

Day 1, Saturday, 27 October 2018		
Time	Program	Venue
08:00 - 09:00	Conference Kit Collection	Central Library
09:00 - 10:30	Inaugural Ceremony	IIUC Auditorium
10:30 - 11:00	Refreshment	IIUC Auditorium
11:00 - 13:15	Plenary Session 1	IIUC Auditorium
13:15 - 14:15	Prayer and Lunch Break	Central Mosque Central Cafeteria
14:15 - 15:30	TS-1A: Electronics and Materials Science - 1	Seminar Hall Auditorium Building
14:15 - 15:30	TS-1B: Data Science and Machine Learning - 1	Room 305 Central Library
14:15 - 15:30	TS-1C: Renewable and Green Energy	Room 306 Central Library
14:15 - 15:30	TS-1D: Computer Vision and Image Processing	Room 308 Academic Building 4
14:15 - 15:30	TS-1E: Embedded Systems and IoT - 1	Room 208 Academic Building 4
14:15 - 15:30	TS-1F: Antenna and Propagation - 1	Room 313 FSE Building
15:30 - 16:00	Prayer and Refreshment	Central Mosque TS Venues
16:00 - 17:30	Plenary Session 2	IIUC Auditorium
17:30 - 18:00	Prayer and Refreshment	Central Mosque IIUC Auditorium
18:00 - 19:15	TS-2A: Data Science and Machine Learning - 2	Seminar Hall Auditorium Building
18:00 - 19:15	TS-2B: Electronics and Materials Science - 2	Room 305 Central Library
18:00 - 19:15	TS-2C: Pharmacy - 1	Room 306 Central Library
18:00 - 19:15	TS-2D: Mobile and Wireless Communication	Room 308 Academic Building 4
18:00 - 19:15	TS-2E: Power Electronics and Power System	Room 208 Academic Building 4
18:00 - 19:15	TS-2F: Embedded Systems and IoT - 2	Room 313 FSE Building

Day 2, Sunday, 28 October 2018		
Time	Program	Venue
08:30 - 09:00	Conference Kit Collection	Central Library
09:00 - 11:15	Plenary Session 3	IIUC Auditorium
11:15 - 11:45	Refreshment	IIUC Auditorium
11:45 - 13:00	TS-3A: Software Engineering	IIUC Auditorium
11:45 - 13:00	TS-3B: Electrical Drives and Controls	Room 305 Central Library
11:45 - 13:00	TS-3C: Electronics and Materials Science - 3	Room 306 Central Library
11:45 - 13:00	TS-3D: Pharmacy - 2	Room 308 Academic Building 4
11:45 - 13:00	TS-3E: Computer Networks and Security	Room 208 Academic Building 4
11:45 - 13:00	TS-3F: Embedded Systems and IoT - 3	Room 313 FSE Building
13:00 - 14:15	Prayer and Lunch	Central Mosque Central Cafeteria
14:15 - 15:45	Plenary Session 4	IIUC Auditorium
15:45 - 16:15	Prayer and Refreshment	IIUC Auditorium
16:15 - 17:30	TS-4A: VLSI Design and Embedded System	Seminar Hall Auditorium Building
16:15 - 17:30	TS-4B: Antenna and Propagation - 2	Room 305 Central Library
16:15 - 17:30	TS-4C: Natural Language Processing	Room 306 Central Library
16:15 - 17:30	TS-4D: Signal and Image Processing	Room 308 Academic Building 4
16:15 - 17:30	TS-4E: Power Systems	Room 208 Academic Building 4
16:15 - 17:30	TS-4F: Electronics and Materials Science - 4	Room 313 FSE Building
17:30 - 18:00	Prayer	Central Mosque
18:00 - 19:00	Closing Ceremony	IIUC Auditorium
19:00 - 20:00	Conference Dinner	Central Cafeteria

Detail Technical Program

Technical Sessions: Day 1, Saturday, 27 October 2018

Plenary Session 1: Day 1, Saturday, 27 October 2018	
Venue: IIUC Auditorium	Time: 11:00 – 13:15
Session Chair: Prof. Dr. Mohammad Kaykobad , Bangladesh University of Engineering and Technology and Fellow, Bangladesh Academy of Sciences Chair, Technical Program Committee, ICISSET 2018	
Name of Keynote Speaker	Topic
Prof. Dr. Phalguni Gupta Department of Computer Science & Engineering Indian Institute of Technology Kanpur and Director, National Institute of Technical Teachers' Training & Research, Kolkata, India	Challenges in Fingerprint based Biometric System
Prof. Dr. Debatosh Guha, FIEEE Institute of Radio Physics and Electronics, India Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, India	Scientific Innovations for the Antennas, by the Antennas
Prof. Dr. A.K.M. Azharul Islam, FInstP, CPhys Professor Emeritus & Former Vice Chancellor International Islamic University Chittagong, Bangladesh	New Nanomaterial MXenes: Opening Exciting Technological Horizon

TS-1A: Electronics and Materials Science – 1	
Venue: Seminar Hall, Auditorium Building	Time: 14:15 – 15:30
Session Chair: Prof. Dr. Muhibul Haque Bhuyan, Southeast University, Dhaka	
Invited Talk	Smart Technology/Algorithm of Speech Communication for Smart Community Prof. Dr. Celia Shahnaz, SMIEEE , Department of Electrical and Electronic Engineering, Bangladesh University of Engineering and Technology Chair, IEEE Bangladesh Section
Paper ID	Title of the Paper
14	Modeling, Simulation And Performance Analysis of SEPIC Converter Using Hysteresis Current Control And PI Control Method
33	Short Channel Effects Characterization of 3-D FinFET For High-k Gate Dielectrics
140	Design And Testing of Microcontroller Based Versatile Firing Pulse Generation for Thyristor and Insulated Gate Bipolar Transistor (IGBT)
206	Determination of Characteristics and Performance Appraisal of GaN MESFET

TS-1B: Data Science and Machine Learning - 1	
Venue: Room 305, Central Library	
Time: 14:15 - 15:30	
Session Chair: Prof. Dr. A. K. M. Ashikur Rahman, Bangladesh University of Engineering and Technology	
Invited Talk	Cloud Computing: Security Issues and Challenges Prof. Dr. Subarna Shakya , Department of Electronics and Computer Engineering, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal
Paper ID	Title of the Paper
290	Application of Deep Neural Network for Predicting River Tide Level
313	Supporting The Treatment of Mental Diseases Using Data Mining
320	Predicting Default Payment of Credit Card Users: Applying Data Mining Techniques
363	Improving Healthcare Services of Community Clinics Using Machine Learning Techniques

TS-1C: Renewable and Green Energy	
Venue: Room 306, Central Library	
Time: 14:15 - 15:30	
Session Chair: Prof. Dr. Mahmud Abdul Matin Bhuiyan, Chittagong University of Engineering and Technology	
Paper ID	Title of the Paper
34	Probabilistic Power Flow Model for The Uncertainty Analysis of Wind Energy and Loads
125	Cost Aware Grid Energy Minimization in Heterogeneous Green Wireless Networks
217	Numerical Analysis of Wind Flow Over Various Shaped Rooftop of Buildings for Renewable Energy Application in Bangladesh
331	Energy Sustainable Provisioning for Green Data Centers
386	Optimization of PV Energy Generation based on ANFIS

TS-1D: Computer Vision and Image Processing	
Venue: Room 308, Academic Building 4	Time: 14:15 - 15:30
Session Chair: Prof. Dr. Mohammed Jahirul Islam, Shahjalal University of Science and Technology	
Paper ID	Title of the Paper
26	Paper Currency Detection System Based On Combined SURF And LBP Features
222	Bangla Handwritten Character Recognition Using Local Binary Pattern and Its Variants
405	Human Activity Recognition Using Mixture of Gaussians And Pair-wise Oriented Local Binary Pattern
407	Comparative Analysis of Stairways Detection Based on RGB And RGB-D Image

TS-1E: Embedded Systems and IoT - 1	
Venue: Room 208, Academic Building 4	Time: 14:15 - 15:30
Session Chair: Prof. Dr. Shamim Ahmed, University of Rajshahi	
Paper ID	Title of the Paper
195	IoT Based Automated Fish Farm Aquaculture Monitoring System
330	IoT Based Power Efficient Agro Field Monitoring And Irrigation Control System: An Empirical Implementation in Precision Agriculture
357	An Internet of Things (IoT) Based Smart Traffic Management System : A Context of Bangladesh
362	Design And Analysis of IoT Based Ionizing Radiation Monitoring System
387	An IoT based Interactive Speech Recognizable Robot with Distance control using Raspberry Pi

TS-1F: Antenna and Propagation - 1	
Venue: Room 313, FSE Building	Time: 14:15 - 15:30
Session Chair: Prof. Dr. Ahsanullah, Chittagong University of Engineering and Technology	
Paper ID	Title of the Paper
303	Performance Studies of UWB Microstrip Antenna for Multipurpose Biotelemetry Applications
335	Design and Performance Analysis of a Multiband Microstrip Patch Array Antenna at Ku And K Band
348	Comparative Analysis on Tropospheric Scintillation Prediction Models for Bangladeshi Climate
364	Electromagnetic Performances Analysis of A Microwave Imaging System (MIS) for Breast Tumor Detection
366	Computational analysis of Microwave Imaging System for Post Stroke Screening Using Unidirectional Antenna

Plenary Session 2: Day 1, Saturday, 27 October 2018	
Venue: IIUC Auditorium	Time: 16:00 – 17:30
Session Chair: Prof. Dr. A.K.M. Azharul Islam, FInstP, CPhys , Professor Emeritus & Former Vice Chancellor, International Islamic University Chittagong, Bangladesh	
Name of Keynote Speaker	Topic
Prof. Dr. Nowshad Amin Institute of Sustainable Energy, Universiti Tenaga Nasional (The National Energy University), Malaysia	Large Scale Solar Farms in Energy Sufficiency Roadmap
Prof. Dato' Dr. Abu Bakar bin Abdul Majeed Faculty of Pharmacy, Universiti Teknologi MARA, Malaysia	Early Detection of Brain Diseases Through Blood Testing

TS-2A: Data Science and Machine Learning – 2	
Venue: Seminar Hall, Auditorium Building	Time: 18:00 – 19:15
Session Chair: Prof. Dr. Mohammad Shamsul Arefin, Chittagong University of Engineering and Technology	
Invited Talk	Big Data Issues and Challenges Dr. Wael Yafooz , Associate Professor, Dean , Faculty of Computer and Information Technology , Al-Madinah International University, Malaysia
Paper ID	Title of the Paper
183	An Analysis of Bangladesh One Day International Cricket Data: A Machine Learning Approach
254	Comparison of Different Extract Transform and Loading Tools for Data Warehousing
289	Which Programming Language and Platform Developers Prefer for the Development? A Study Using Stack Overflow
381	Prediction of Upcoming Conferences Ranking in Bangladesh Based on Analytic Network Process And Machine Learning

TS-2B: Electronics and Materials Science - 2	
Venue: Room 305, Central Library	
Time: 18:00 - 19:15	
Session Chair: Prof. Dr. Muhibul Haque Bhuyan, Southeast University, Dhaka	
Invited Talk	Nanostructured Materials and Applications in Gas Deduction Systems Dr. Sadullah ÖZTÜRK , Department of Biomedical Engineering, Fatih Sultan Mehmet Vakıf Üniversitesi, Istanbul, Turkey
Paper ID	Title of the Paper
146	Electrical and Optical Properties of Zinc doped Titanium dioxide Thin Films
150	Fabrication And Characterization of A P-N Junction for Large Area Silicon Solar Cell
180	Monitoring of Strut Force in Excavation for Bridge Pier Using Vibrating Wire Strain Gauge
234	Fabrication And Characterization of Zinc Selenide (ZnSe) Thin Film in Solar Cell Applications

TS-2C: Pharmacy - 1	
Venue: Room 306, Central Library	
Time: 18:00 - 19:15	
Session Chair: Dr. Md. Atiar Rahman, University of Chittagong	
Invited Talk	Application of Organic Synthesis for Construction of Complex Bioactive Compounds and Biomolecules Prof. Dr. S. M. Abdur Rahman , Dean, Faculty of Pharmacy and Professor, Department of Clinical Pharmacy and Pharmacology, University of Dhaka
Paper ID	Title of the Paper
45	Methanol Leaves Extract of Diploclisia Glaucescens Shows Hypoglycemic Activity in Mice Mode
50	Molecular Docking Studies and Virtual Screening of Rapamycin and Its Derivatives Against mTOR for Treatment of Cancer
157	Evaluation of Antioxidant Activity And Brine Shrimp Lethality Bioassay of RandiaDumetorum Stem Sxtract

TS-2D: Mobile and Wireless Communication	
Venue: Room 308, Academic Building 4	Time: 18:00 - 19:15
Session Chair: Prof. Dr. Ahsanullah, Chittagong University of Engineering and Technology	
Paper ID	Title of the Paper
135	Energy Sustainable Traffic Aware Hybrid Powered Off-Grid Cloud Radio Access Network
148	Comparison of Electromagnetic Absorption in Human Head for Dipole And Microstrip Patch Antenna
265	Design And Simulation of A Single Element High Gain Microstrip Patch Antenna for 5G Wireless Communication
359	Cell Tower Radiation And Effect on Human Body: Bangladesh Perspective
360	Performance Evaluation of MIMO in Urban Microcell for Dhaka City at 28 GHz Frequency

TS-2E: Power Electronics and Power System	
Venue: Room 208, Academic Building 4	Time: 18:00 - 19:15
Session Chair: Dr. Nur Mohammad, Chittagong University of Engineering and Technology	
Paper ID	Title of the Paper
16	Design of A Compact 600 VA Sinusoidal Inverter With Battery Storage System
175	Automatic Generation Control of Two Area Reheat Thermal Power System Using Differential Evolution Based Controller
182	Selective Harmonic and DC Offset Elimination in Grid Connected Single Phase Inverter by Using Optimal Controller and Modified EPLL
221	Series Dynamic Braking Resistor Based Protection Scheme for Inverter Based Distributed Generation System
240	A Novel Approach of Reactive Power and Voltage Control in Grid Connected Wind Farms Using STATCOM

TS-2F: Embedded Systems and IoT - 2	
Venue: Room 313, FSE Building	Time: 18:00 - 19:15
Session Chair: Prof. Dr. Shamim Ahmed, University of Rajshahi	
Paper ID	Title of the Paper
37	Developing A Self-Learning Braille Kit For Visually Impaired People
76	A New Design Approach for Gesture Controlled Smart Wheelchair Utilizing Microcontroller
232	Design And Implementation of an Embedded System to Observe the Atmospheric Condition Using a Helium Balloon
339	Design And Implementation of an Automated Reminder Medicine Box for Old People And Hospital
392	Unmanned Multiple Railway Gates Controlling and Bi-directional Train Tracking with Alarming System Using Principles of IoT

Technical Sessions: Day 2, Sunday, 28 October 2018

Plenary Session 3: Day 2, Sunday, 28 October 2018	
Venue: IIUC Auditorium	Time: 09:00 – 11:15
Session Chair: Prof. Dr. Mohammed Jahirul Islam, Shahjalal University of Science and Technology	
Name of Keynote Speaker	Topic
Prof. Dr. Atsushi Inoue BaaSid Lab / Eastern Washington University, USA	Blockchain and Artificial Intelligence ~Information Management Platform for the Next Generation~
Prof. Dr. Syoji Kobashi, SMIEEE University of Hyogo / Director, Advanced Medical Engineering Center (AMEC), Japan	Radiomics for Neonatal Cerebral Diseases with MR Images
Prof. Dr. V. R. Singh, FIEEE Chair, IEEE-IMS/EMBS Delhi National Physical Laboratory, New Delhi and PDM University, NCR-Delhi, India	Innovations in Sensors Technology for better Health Care

TS-3A: Software Engineering	
Venue: IIUC Auditorium	Time: 11:45 – 13:00
Session Chair: Prof. Dr. Mohammed Moshiul Hoque, Chittagong University of Engineering and Technology, Chittagong	
Invited Talk	The R&D Strategies for Developing Countries Dr. Ali Nizam , Assistant Professor, Fatih Sultan Mehmet Vakif University, Turkey
Paper ID	Title of the Paper
116	A Low-Cost GPS based Application for Navigating Shallow Waters
258	A Comparative Usability Experience Analysis of Card Sorting And Interactive Dialogue Model Design Technique
372	An Expert System Based on Belief Rule to Assess Bank Surveillance Security
385	Human Activity Recognition Using Multiple Smartphone Sensors

TS-3B: Electrical Drives and Controls	
Venue: Room 305, Central Library	
Time: 11:45 - 13:00	
Session Chair: Dr. Saiful Islam, Chittagong University of Engineering and Technology	
Invited Talk	Partial Discharge Detection & Location Techniques for Covered-Conductor Overhead or Underground Distribution Lines Dr. Muzamir Isa, Associate Professor, School of Electrical System Engineering, Universiti Malaysia Perlis (UniMAP), Malaysia
Paper ID	Title of the Paper
18	Consumer Perception About Prepaid Energy Meter System-A Study In Khulna City
91	Automatic Shrinking and Sorting of Industrial Finished Products
277	Low-Frequency Inter-Area Mode Detection in Power System using Continuous Wavelet Transform
376	Electricity Generation from Train Wheel Axle

TS-3C: Electronics and Materials Science - 3	
Venue: Room 306, Central Library	
Time: 11:45 - 13:00	
Session Chair: Prof. Dr. Md. Sherajul Islam, Khulna University of Engineering and Technology	
Invited Talk	Random Laser: A new potential biosensor Dr. Wan Zakiah Wan Ismail, Senior Lecturer, Faculty of Engineering and Built Environment, Universiti Sains Islam Malaysia, Malaysia
Paper ID	Title of the Paper
250	Comparison of Crystallite Parameters of ZnO Nanoparticles Using Various Peak Profile Analysis
260	Graphene Based Surface Plasmon Resonance (SPR) Sensors : An Approach to Enhance the Performance
270	Optimization of Electrophoretic Deposition Parameters for Uniform Titanium Oxide Deposition on Conductive Glass Substrate

TS-3D: Pharmacy - 2	
Venue: Room 308, Academic Building 4	
Time: 11:45 - 13:00	
Session Chair: Prof. Dr. Sohel Rana, Jahangirnagar University	
Invited Talk	Production, optimization and purification of xylanase by <i>Brevibacillusborstelensis</i> - MTCC 9874 isolated from soil sample of eastern Nepal Dr. Uttam Budhathaki, Department of Pharmacy, Katmandu University, Nepal
Paper ID	Title of the Paper
264	In vitro Antimicrobial And Antiarthritis Effects of Methanolic Extract of <i>ZanthoxylumRhetsa</i> Leaves
301	In vitro Antimicrobial, Cytotoxicity, Antioxidant And In vivo Analgesic Activities of Methanolic Extracts of <i>DipterocarpusTurbinatus</i> Leaves
304	Assessment of In-vitro Antioxidant Capacity And In-vivo Anti-stress Potential of Methanol Extract of <i>CombretumIndicum</i> Leaves and Its Different Fractions

TS-3E: Computer Networks and Security	
Venue: Room 208, Academic Building 4	
Time: 11:45 - 13:00	
Session Chair: Prof. Dr. Mohammad Sanaullah Chowdhury, University of Chittagong	
Paper ID	Title of the Paper
97	An Extension of Vigenere Technique to Enhance the Security of Communication
263	An Adaptive Routing Protocol for The Performance of Real-Time Applications
307	A Differentiate Analysis for Credit Card Fraud Detection
319	Towards Blockchain-Based E-voting System
328	Design And Implementation of A Secured Enterprise Network Using Dynamic Multipoint VPN with HSRP Protocol
344	Performance Analysis of DTN Routing Protocols: Single-Copy And Multi-Copy in ICMN Scenario

TS-3F: Embedded Systems and IoT - 3	
Venue: Room 313, FSE Building	
Time: 11:45 - 13:00	
Session Chair: Prof. Dr. Mamun-Ur-Rashid Khandkar, University of Rajshahi	
Paper ID	Title of the Paper
120	Arduino UNO Based Smart Irrigation System Using GSM Module, Soil Moisture Sensor, Sun Tracking System and Inverter
340	An Efficient Model to Limit the Vehicle Speed and Horn Sound in Sensitive Public Zone with Encrypted Wireless Communication
342	Design, Development, and Performance Analysis of a Low-Cost Health-Care Monitoring System Using an Android Application
397	Automatic Accident Detection and Human Rescue System: Assistance Through Communication Technologies
406	An Intelligent System for Conversion of Bangla Sign Language into Speech

Plenary Session 4: Day 2, Sunday, 28 October 2018	
Venue: IIUC Auditorium	
Time: 14:15 - 15:45	
Session Chair: Prof. Dr. V.R. Singh, FIEEE, Chair, IEEE-IMS/EMBS Delhi National Physical Laboratory, New Delhi and PDM University, NCR-Delhi, India	
Name of Keynote Speaker	Topic
Prof. Dr. Weerakorn Ongsakul, CFA Dept. of Energy, Environment and Climate Change, School of Environment, Resources and Development, Asian Institute of Technology, Thailand	Short-Term Solar Forecasting by Deep Long-Short Term Memory Recurrent Network Program Considering Time Sequence Data
Prof. Dr. Md. Atiqur Rahman Ahad, SMIEEE Osaka University, Japan; University of Dhaka, Bangladesh	Human Activity Recognition & Future Challenges

TS-4A: VLSI Design and Embedded System	
Venue: Seminar Hall, Auditorium Building	
Time: 16:15 - 17:30	
Session Chair: Prof. Dr. Mamun-Ur-Rashid Khandkar, University of Rajshahi	
Invited Talk	Title of the Paper
Early Design Space Exploration of Networks-On-Chip (NoC) Dr. M. Norazizi Sham Bin Mohd Sayuti , Senior Lecturer, Faculty of Engineering and Built Environment, Universiti Sains Islam Malaysia, Malaysia	
Paper ID	Title of the Paper
73	Design of a Two Stage CMOS Operational Amplifier in 100 nm Technology with Low Offset Voltage
112	EqSA: A Golden-IC Free Equal Power Self-Authentication for Hardware Trojan Detection
126	Line Following Autonomous Office Assistant Robot with PID Algorithm

TS-4B: Antenna and Propagation - 2	
Venue: Room 305, Central Library	Time: 16:15 - 17:30
Session Chair: Prof. Dr. Md. Nurunnabi Mollah, Khulna University of Engineering and Technology	
Paper ID	Title of the Paper
156	Design of a Miniaturized Slotted T-Shaped Microstrip Patch Antenna to Detect and Localize Brain Tumor
207	Performance Analysis of a Compact Dual-Mode Antenna Operating at UWB and ISM Band for Wireless Medical Applications
215	Design and Performance Measurement of an On-body Capacitively Loaded Planar Inverted-F Antenna for Bio-medical Applications
293	A Sawtooth Shaped CPW Fed UWB Microstrip Patch Antenna for Biotelemetry Applications

TS-4C: Natural Language Processing	
Venue: Room 306, Central Library	Time: 16:15 - 17:30
Session Chair: Prof. Dr. Mohammed Moshui Hoque, Chittagong University of Engineering and Technology, Chittagong	
Paper ID	Title of the Paper
74	Vector Space Model Based Topic Retrieval From Bengali Documents
162	Detecting Abusive Comments in Discussion Threads Using Naïve Bayes
166	Performance of Classifiers in Bangla Text Categorization
210	English to Bengali Machine Translation: An Analysis of Semantically Appropriate Verbs
403	Emotion Detection From Text Using Skip-thought Vectors

TS-4D: Signal and Image Processing	
Venue: Room 308, Academic Building 4	Time: 16:15 - 17:30
Session Chair: Prof. Dr. Mohammad Shahadat Hossain, University of Chittagong	
Paper ID	Title of the Paper
2	Hand Geometry Based Person Verification System
152	K-cyclic Smith Iterative Method For Model Reduction of Index-2 Periodic Control Systems
186	Evaluating Alpha Relative Power of EEG Signal During Psychophysiological Activities In Salat
318	A Low Cost And Ionizing Radiation-free Method Based on Pulse-Echo Ultrasonic for The Diagnosis of Osteoporosis
323	Comparative Evaluation of Segmentation Algorithms for Tumor Cells Detection From Bone MR Scan Imagery

TS-4E: Power Systems	
Venue: Room 208, Academic Building 4	Time: 16:15 - 17:30
Session Chair: Dr. Saiful Islam, Chittagong University of Engineering and Technology	
Paper ID	Title of the Paper
29	Power Loss Minimization and Voltage Profile Assessment of Distribution System Using WT-DG
131	A Demand Side Management Algorithm with Revision of Energy Usage Blocks for Residential Customers of Dhaka City
136	An Optimization Framework to Implement Demand Side Management in Hybrid Buildings
294	Hybrid State Estimation for Diverse Combination of PMU Measurements
377	A Reliable Electrical Power System Scheme for Rooppur Nuclear Power Plant Considering Diversity And Redundancy

TS-4F: Electronics and Materials Science - 4	
Venue: Room 313, FSE Building	Time: 16:15 - 17:30
Session Chair: Prof. Dr. Md. Sherajul Islam, Khulna University of Engineering and Technology	
Paper ID	Title of the Paper
71	Surface Modification of PDMS Film by Si Template Synthesized Through A Facile Process
84	A Battue on Anionic Dye (Congo Red) Removal From Aqueous Solution of Dye by Acryl Amide Grafted Polyethylene
262	Influence of compression and hot-compression in electron transport in dye-sensitized solar cells studied by electrochemical impedance spectroscopy analysis
308	Effect of Sensitization Temperature on The Performance of Amaranth Dye-Sensitized Solar Cell
395	Effect of Dispersion Time on The Removal of Escherichia coli Using Multiwall Carbon Nanotube