Conference Program Schedule :iCEEiCT 2018

Conference Kit Collection		
Day	**Time**	**Venue**
12th September 2018	15:00-18:00	Plaza, Tower-1
13th September 2018	08:30-09:30	
14th September 2018	09:00-09:30	
15th September 2018	09:00-09:30	

Day – 1 : Thursday, 13[th]September, 2018		
Time	**Program**	**Venue**
09:30-11:45	Inaugural Ceremony	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
11:45-12:00	Opening of Industrial Exhibition	Car Park Ground Floor, Tower – 1
12:00-13:00	Plenary Session-I	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
13:00-13:30	Video Presentation of Sponsors	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
13:30-13:45	Break	
13:45-14:30	Lunch	Lunch: Central Tea Bar, Old Tea Bar 2nd Floor, Tower – 1
14:30-15:50	Technical Session-I	TS-1A : Room-501, 5th Floor Tower – 1
		TS-1B : Room-502, 5th Floor Tower – 1
		TS-1C : Room-504, 5th Floor Tower – 1
		TS-1D : Room-505, 5th Floor Tower – 1
	Tutorial-I	Room-601, 6th Floor Tower – 1
15:50-16:10	Break	
16:10-17:40	Technical Session-II	TS-1E : Room-501, 5th Floor Tower – 1
		TS-1F : Room-502, 5th Floor Tower – 1
		TS-1G : Room-504, 5th Floor Tower – 1
		TS-1H : Room-505, 5th Floor Tower – 1
	Tutorial-II	Room-601, 6th Floor Tower – 1

Time	Program	Venue
09:30-10:50	Technical Session-III	TS-2A : Room-501, 5th Floor Tower – 1
		TS-2B : Room-502, 5th Floor Tower – 1
		TS-2C : Room-504, 5th Floor Tower – 1
		TS-2D : Room-505, 5th Floor Tower – 1
09:30-10:15	Workshop	Room-601, 6th Floor Tower – 1
10:15-10:50	Project Show	Plaza 1st Floor, Tower – 1
10:50-11:30	Tea Break	Central Tea Room, Old Tea Room, 2nd Floor, Tower – 1
11:30-13:00	Technical Session-IV	TS-2E : Room-501, 5th Floor Tower – 1
		TS-2F : Room-502, 5th Floor Tower – 1
		TS-2G : Room-504, 5th Floor Tower – 1
		TS-2H : Room-505, 5th Floor Tower – 1
	Project Show	Plaza 1st Floor, Tower – 1
13:00-13:45	Jummah Prayer	MIST Mosque Ground Floor, Tower – 1
13:45-14:30	Lunch	Central Tea Room, Old Tea Room, 2nd Floor, Tower – 1
14:30-15:50	Plenary Session-II	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
	Poster Session	Plaza 1st Floor, Tower – 1
15:50-16:10	Break	
16:10-17:40	Technical Session-V	TS-2I : Room-501, 5th Floor Tower – 1
		TS-2J : Room-502, 5th Floor Tower – 1
		TS-2K : Room-504, 5th Floor Tower – 1
		TS-2L : Room-505, 5th Floor Tower – 1
	Tutorial-III	Room-601, 6th Floor Tower – 1
19:30-21:00	Gala Dinner	MIST Student Officer's Mess

Time		Program	Venue
			Day –3: Saturday, 15th September, 2018

Time		Program	Venue
09:30-10:50		Technical Session-VI	TS-3A : Room-501, 5th Floor Tower – 1
			TS-3B : Room-502, 5th Floor Tower – 1
			TS-3C : Room-504, 5th Floor Tower – 1
10:50-11:20		Tea Break	Central Tea Room, Old Tea Room, 2nd Floor, Tower – 1
11:20-13:15		Plenary Session-III	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
13:15-13:45		Break	
13:45-14:30		Lunch	Central Tea Room, Old Tea Room, 2nd Floor, Tower – 1
14:30-15:00		Break	
15:00-17:40	15:15-16:15	Plenary Session-IV	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
	16:15-17:40	Closing Ceremony ➢ Prize Distribution ➢ Closing	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1

Inauguration Ceremony

Time	Event	Venue
09:30-09:55	Participants and Guests take their seats	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
10:00	Arrival of the Chief Guest	
10:00-10:10	Welcome Address by Conference Chair	
10:10-10:15	Speech by Chair, IEEE Bangladesh Section	
10:15-10:30	Speech by Special Guest-I	
10:30-10:45	Speech by Special Guest-II	
10:45-10:50	Address by Chief Guest	
10:50-11:00	Address by Comdt, MIST	
11:00-11:10	Handover of Crests	
11:10-11:35	Tea Break	Central Tea Room, Old Tea Room, 2nd Floor, Tower – 1
11:35-11:45	Photo Session	Lobby, 2ndFloor, Tower – 1

Technical Program

Plenary Session – 1 : Day – 1, Thursday, 13thSeptember, 2018

Venue : General MustafizMultipurpose Hall, Tower Building – 1(10th Floor)		Time :12:00-13:00
Session Chair :Prof. Md. Abdul Mottalib, BRACU		
Session Co-Chair : Air Cdre Md. Afzal Hossain, ndc, psc, MIST		
Keynote Session	**Name of Keynote Speaker**	**Topic**
Keynote Speech - 1	Prof. RanjanGangopadhyay Distinguished Professor, LNM Institute of Information Technology, Jaipur, Rajasthan	5G and IoT: A Vision Perspective

Technical Sessions : Day – 1, Thursday, 13thSeptember, 2018

	Technical Session : TS-1A	
	Session Title :Artificial Intelligence – I	
Venue : Room-501, 5th Floor, Tower – 1		Time :14:30-15:50
Session Chair :Air Cdre Md. Afzal Hossain, ndc, psc, MIST		
Session Co-Chair :Brig Gen Md Shahidul Alam, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1115	Talent Evaluation and Career Guidance for Students using Fuzzy Algorithms
2	1116	Hand Swifter: A Real-Time Computer Controlling System Using Hand Gestures
3	1127	Auto-Encoder Based Nonlinear Dimensionality Reduction of ECG data and Classification of Cardiac Arrhythmia Groups Using Deep Neural Network
4	1152	An Effective Approach to Communicate with the Deaf and Mute People by Recognizing Characters of One-hand Bangla Sign Language using Convolutional Neural-Network
5	1177	Study and Observation of the Variations of Accuracies for Handwritten Digits Recognition with Various Hidden Layers and Epochs using Convolutional Neural Network

Technical Session : TS-1B		
Session Title : Power System and Renewable Energy – I		
Venue : Room-502, 5th Floor, Tower – 1		**Time : 14:30-15:50**
Session Chair :Dr. Abdul Hasib Chowdhury, BUET		
Session Co-Chair :Col Mohd Muinul Haq Mamun, psc, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1181	Model Reference Modified Adaptive PID Controller Design for Voltage and Current Control of Islanded Microgrid
2	1227	Solar-Biomass Hybrid System, An Approach for Rural Electrification in Bangladesh
3	1229	Operational Cost Based UC by Introducing HCSP in Case of PVs Power Uncertainty
4	1292	Optimal Fuzzy Logic Based Smart Energy Management System for Real Time Application Integrating RES, Grid and Battery
5	1471	Power System Harmonics Estimation Using Frequency Adaptive Cascaded Delayed Signal Cancellation Strategy

Technical Session : TS-1C		
Session Title : Photonics and Optical Communication – I		
Venue : Room-504, 5th Floor, Tower – 1		**Time : 14:30-15:50**
Session Chair : Dr. Mohammad Faisal, BUET		
Session Co-Chair :Gp Capt Mohammed Hossam-E-Haider, Phd, BAF, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1240	Effect of Scintillation on an Optical M-ary PPM over FSO Turbulent Channel with Pointing Error using APD Receiver
2	1279	Analytical Performance Evaluation of a LDPC and STBC Coded FDM FSO Communication System under Turbulent Atmospheric Channel
3	1417	Propagation of Surface Plasmon Polaritons in Hybrid Waveguide with Metal Cap and Graphene Layer
4	1426	Comparative Analysis of Supercontinuum Generation in Hexagonal Lattice PCFs with Different Core Materials
5	1465	A Higher Immune Tapered Beamforming using Gaussian Window in the Presence of Amplitude Errors

Technical Session : TS-1D		
Session Title : Semiconductor Device and Nano-technology		
Venue : Room-505, 5th Floor, Tower – 1		**Time : 14:30-15:50**
Session Chair : Dr. Deen Mohd Khosru, BUET		
Session Co-Chair :Capt M S A A F Shiblee, (L), BN, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1211	Raman Analysis of Intrinsic and Laser Annealed n-type Silicon Film Grown on Glass Using Hot Wire Chemical Vapor Deposition
2	1261	Localized Exciton Dynamics of Perovskite Material Using Monte Carlo Simulation: A Temperature Dependent Study
3	1480	First Principle Calculations on the Electronic Properties of Siligraphene

Tutorial - I : Day – 1, Thursday, 13th September, 2018

Venue : Room-601, 6th Floor, Tower – 1		Time :14:30-15:50
Tutorial Session	**Name of Presenter**	**Topic**
Tutorial - I	Dr. Mohammad Afsar Uddin Korea University, Seoul	High-Efficiency Photovoltaic Cells with Wide Optical Band Gap Polymers Based on Weak Donor-Weal Acceptor Motifthrough Energy Level Regulation by Varying Number and Position of Fluorine Substituents

Technical Session : TS-1E
Session Title : Computer Network and Security – I

Venue : Room-501, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair : Dr. M Shamim Kaiser, JU		
Session Co-Chair :Col Molla Md Zubaer, te, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1136	Implementation of a Free Space Laser Communicator
2	1201	Watchdog and Pathrater based Intrusion Detection System for MANET
3	1233	Chittagong University Teachers' Bus Tracking System Using Smartphone Application
4	1237	Development of a Relational Security Model with Ensuring Availability in the System

Technical Session : TS-1F
Session Title : Microwave and Wireless Communication – I

Venue : Room-502, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair : Dr. Nurrunnabi Mollah, KUET		
Session Co-Chair :Col A K M Nazrul Islam, PhD, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1145	Design and Performance Analysis of Microstrip Patch Antenna incorporated with Electromagnetic Bandgap Structures
2	1187	A Compact MICS Band Operated Implantable Antenna for Biomedical Applications
3	1192	A Compact Planar Multiband Antenna based on Driven Monopole and Protruded Ground Branch for Wireless Applications
4	1196	Performance Appraisal of Spectrum Sensing in Cognitive Radio Network
5	1331	Energy Efficiency of Renewable Powered Cloud Radio Access Network

Technical Session : TS-1G
Session Title : Digital Signal and Image Processing – I

Venue : Room-504, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair : Dr. Mohammed Hossam-E-Haider, MIST		
Session Co-Chair :Col S M Zia-Ul-Azim, afwc, psc, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1151	Enhancement of LZAP (Lempel Ziv All Prefixes) Compression Algorithm
2	1166	Performance Analysis of a HMM based Automatic Patient's Case History Generator in Bangla
3	1174	ADBSCAN: Adaptive Density Based Spatial Clustering of Applications with Noise for Identifying Clusters with Varying Densities
4	1236	Local Contrast Based Thresholding for Document Binarization
5	1248	A Dynamic 5 Bit Data Compression Scheme by Using Set Change Table (5BDC)

Technical Session : TS-1H		
Session Title : Software Engineering – I		
Venue : Room-505, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair : Dr. Sheikh Md. Rabiul Islam, KUET		
Session Co-Chair :Col Abu Zafor Mohammad Salahuddin, MIST		
Ser No	Paper ID	Title of the paper
1	1173	Authorship Attribution in Bengali Literature Using FastText's Hierarchical Classifier
2	1262	Microcontroller Based Smart Walking Stick for Visually Impaired People
3	1296	An Efficient Error Correction Approach by using Successive Parity Generation
4	1469	A New Algorithmic Approach to Finding Minimum Spanning Tree

Tutorial - II : Day – 1, Thursday, 13th September, 2018

Venue : Room-601, 6th Floor, Tower – 1		Time :16:10-17:40
Tutorial Session	Name of Presenter	Topic
Tutorial - II	Engr. Akter Ul Alam Fiber @ Home	Access Backhaul and Backbone Transport Solution for 4G (LTE)

Technical Sessions : Day – 2, Friday, 14th September, 2018

Technical Session : TS-2A		
Session Title : Microwave and Wireless Communication – II		
Venue : Room-501, 5th Floor, Tower – 1		Time : 09:30-10:50
Session Chair : Dr. A K M Nazrul Islam, MIST		
Session Co-Chair :Brig Gen Md Shahidul Alam, MIST		
Ser No	Paper ID	Title of the paper
1	1204	Design of a Compact Wideband Planar Antenna for 5G Applications
2	1245	Performance of Coordinated Scheduling in Downlink LTE-A under User Mobility
3	1311	Performance Analysis of Uniform Concentric Circular Antenna Array Beamformer Using Different DOA Estimation Technique
4	1334	Design of a Compact Low Loss Multi-slotted Antenna for WBAN Applications and Performance Analysis at ISM Band

Technical Session : TS-2B		
Session Title : Power Electronics and Drives		
Venue : Room-502, 5th Floor, Tower – 1		Time : 9:30-10:50
Session Chair : Dr. Jahangir Alam, BUET		
Session Co-Chair :Capt M S A A F Shiblee, (L), BN, MIST		
Ser No	Paper ID	Title of the paper
1	1156	Single Neuron ANN Based Current Controlled Permanent Magnet Brushless DC motor Drives
2	1252	Fractional Order Robust PID Controller Design for Voltage Control of Islanded Microgrid
3	1306	Single-Phase AC-DC Cascaded Boost-Cûk (CBC) Converter for High Step-Up Applications using Common Part Sharing Method (CPSM)
4	1440	Analysis the Performance of Interleaved Boost Converter
5	1455	Designing of a Low Cost Handy Cooling System
6	1500	A Noble Approach for Generating Real Time Firing Pulse for Inverter Using

		Arduino and MATLAB/Simulink

Technical Session : TS-2C		
Session Title : Power System and Renewable Energy - II		
Venue : Room-504, 5th Floor, Tower – 1		Time : 9:30-10:50
Session Chair : Dr. Shahidul Islam Khan, BRACU		
Session Co-Chair :Col Mohd Muinul Haq Mamun, psc, MIST		
Ser No	Paper ID	Title of the paper
1	1125	Comparative Study and Analysis of Switching Transient Behavior of Overhead Transmission Lines and Underground Cables
2	1421	Harvesting Oceanic Wave Energy by a Linear Generator using High Grade N28EH Permanent Magnets
3	1423	Optimization of Network Sustainability for LTE BS Deployment in Bangladesh with Hybrid Supplies
4	1461	A New Single Phase 21 Level Inverter Topology with Reduced Number of Switches and Sources for Renewable Energy Applications
5	1503	Statistical Analysis of Lightning Myths and Suggestive Measures in Context of Bangladesh

Technical Session : TS-2D		
Session Title : Biomedical Engineering - I		
Venue : Room-505, 5th Floor, Tower – 1		Time : 9:30-10:50
Session Chair : Dr. Mustafa Habib Chowdhury, IUB		
Session Co-Chair :Col A B M Humayun Kabir, psc, te, MIST		
Ser No	Paper ID	Title of the paper
1	1249	mHealth Application to Empower Community Health Service for Married Couple: Challenges and Opportunities
2	1273	Path Hole Detection to Assist the Visually Impaired People in Navigation
3	1288	An Investigation of Spectroscopic Characterization on Biological Tissue
4	1313	Design and Performance Analysis of a D–shaped PCF and Surface Plasmon Resonance Based Glucose Sensor
5	1314	Effects of Renal Clearance, Gut Absorption, Plasma Insulin and Independent Glucose Flux on Glucose Concentration of Human Body
6	1422	Presumption Method for Detecting and Analyzing Human Mental Behavior by Employing EEG Signal

Tutorial - II : Day – 2, Friday, 14th September, 2018

Venue : Room-601, 6th Floor, Tower – 1		Time : 09:30-10:15
Tutorial Session	Name of Presenter	Topic
Workshop	Prof. Dr. Shaikh Anowarul Fattah BUET	Key Factors in Quality Project Design Targeting Humanitarian Technology& Sustainable Development

Technical Session : TS-2E		
Session Title : Artificial Intelligence – II		
Venue : Room-501, 5th Floor, Tower – 1		Time :11:30-13:00
Session Chair : Dr. Sajjad Waheed, MBSTU		
Session Co-Chair :Col Molla Md Zubaer, te, MIST		
Ser No	Paper ID	Title of the paper
1	1188	Dynamic Feature Selection in Assisting Student's Career Using Information Gain Combined with Coefficient Correlation

2	1324	A Novel Idea of Classification of E-commerce Products Using Deep Convolutional Neural Network
3	1337	Authorship Attribution on Bengali Literature using Stylometric Features and Neural Network
4	1340	Comparison between MFCC and PLP in Automatic Speech Recognition (ASR) of Bangla Speech Corpus
5	1370	Development of Robotic Voice Conversion for RIBO Using Text-to-Speech Synthesis

Technical Session : TS-2F		
Session Title : Power System and Renewable Energy – III		
Venue : Room-502, 5th Floor, Tower – 1		Time :11:30-13:00
Session Chair : Dr. Muhibul Haque Bhuyan, SEU		
Session Co-Chair :Capt M S A A F Shiblee, (L), BN, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1357	A Price Based Demand Side Management Strategy for Residential Sector in Bangladesh
2	1394	Performance Improvement of In0.65Ga0.35N Solar Cell Incorporated with Front and Back Contact
3	1403	Assessing Impact of Large Scale Integration of Wind and Solar PV Power Generation on Small Signal and Transient Stability
4	1407	Feasibility Study of a Partially Solar Powered Electrical Tricycle in Ambient Condition of Bangladesh
5	1420	Solar Photovoltaic (PV) Assisted Cost-efficient Brackish Water Purification System
6	1509	Design Analysis of Solar PV System for Marine Fishing Trawlers in Bangladesh

Technical Session : TS-2G		
Session Title : Microwave and Wireless Communication – III		
Venue : Room-504, 5th Floor, Tower – 1		Time : 11:30-13:00
Session Chair : Dr. Raqibul Mostafa, UIU		
Session Co-Chair :Col Md Golam Mostafa, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1365	Analytical Study of Bi-static Radar Cross section with a comparison at S band and X band of F-117 Nighthawk Stealth Aircraft
2	1371	A Compact Microstripline-Fed On-Body Matched Antenna for Wireless Medical Applications
3	1473	Performance Analysis of Peak to Average Power Ratio (PAPR) Reduction Techniques in OFDM System for Different Modulation Schemes
4	1475	Effect of Noise, Fading and Crosstalk on the BER Performance of a MIMO OFDM Power Line Communication System
5	1486	Performance Analysis of a SIMO Wireless Link with Turbo Coding

Technical Session : TS-2H		
Session Title : Digital Signal & Image Processing – II		
Venue : Room-505, 5th Floor, Tower – 1		Time : 11:30-13:00
Session Chair : Dr. Md. Iqbal Bahar Chowdhury, UIU		
Session Co-Chair :Col S M Zia-Ul-Azim, afwc, psc, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1263	Detecting Moving Objects from Long-Range Atmospheric Turbulence Degraded Videos

2	1338	Human Facial Expression Recognition System Using Artificial Neural Network Classification of Gabor Feature Based Facial Expression Information
3	1472	Prediction of Speech Perception with Recovered Envelope Cues from TFS stimulus For Normal Hearing Listener
4	1482	A New Method for Road Surface Detection
5	1487	A Facial Region Segmentation Based Approach to Real-time Human Facial Expression Recognition Using Fusion of HOG & LBP Features and Extreme Learning Machine

Plenary Session – 2 : Day – 2, Friday, 14thSeptember, 2018

Venue : General MustafizMultipurpose Hall, Tower Building – 1 (10th Floor)		Time :14:30-15:50
Session Chair : Prof. A. B. M. Siddique Hossain, AIUB		
Session Co-Chair : Air Cdre Md. Afzal Hossain, ndc, psc, MIST		
Keynote Session	**Name of Keynote Speaker**	**Topic**
Keynote Speech – 2	Prof B M A Rahman (Skype) City University of London, UK	Design and Optimisation of New Generation of Compact Photonic Sensors
Invited Talk – 1	Prof. Dr. Ishak Bin Aris Universiti Putra Malaysia, Serdang, Malaysia	The Roles of Intelligent Robotics and Automation in Industrial Revolution 4.0

Poster Session : Day – 2, Friday, 14thSeptember, 2018

Venue : Plaza, Tower – 1, 1st Floor		Time :14:30-15:50
Ser No	**Paper ID**	**Title of the paper**
1	1111	Steady State Voltage Vulnerability and Stability Limit Analysis of Bangladesh Power System Using STATCOM as a Shunt Compensator
2	1112	Comparison between TCSC,SVC and TCSC,STATCOM Based Compensation on East West Interconnected System of Bangladesh Power System
3	1132	Improved 3D Reconstruction for Images having Moving Object using Semantic Image Segmentation and Binary Masking
4	1137	A Theoretical Approach of Fall Control System for Disable People Using Double Inverted Pendulum
5	1171	Design and Implementation of Microcontroller Based Anti-Theft Vehicle Security System using GPS, GSM and RFID
6	1178	Study and Observation of the Variations of Accuracies for Handwritten Digits Recognition with Various Hidden Layers and Epochs using Neural Network Algorithm
7	1179	Study and Observation of the Variation of Accuracies of KNN, SVM, LMNN, ENN Algorithms on Eleven Different Datasets from UCI Machine Learning Repository
8	1183	eExpense: A Smart Approach to Track Everyday Expense
9	1184	High Performance ILQG Controller Design to Enhance Dynamic Stability of Multimachine Power System
10	1255	Modeling and Simulation of Input Switched AC-DC SEPIC Converter with PFC Controller for Optimized Operation
11	1257	Sensitivity Enhancement of Surface Plasmon Resonance Biosensor Using WSe2 and Silicon
12	1272	LocSoldiers: Towards Developing an Emergency Troops Locating System in Military Operations

13	1280	Histogram Modification Based Lossy Image Compression Scheme Using Huffman Coding
14	1287	Structural and Electronic Properties of Sublimated Grapheneon Silicon Carbide: A First Principle Study
15	1320	Dynamic Load Management Framework for Off-Grid Base Stations with Hybrid Power Supply
16	1342	Development of a Smart Medical Prescription Service Model
17	1343	Brain Tumor Detection with Tumor Region Analysis Using Adaptive Thresholding And Morphological Operation
18	1346	Target Class Oriented Subspace Detection for Effective Hyperspectral Image Classification
19	1367	An IoT Based Proposed System for Monitoring Manhole in Context of Bangladesh
20	1377	On the Performance Optimization of the SFBC-OFDM System for Cost Effective Receiver Design
21	1381	Algorithm for Ethical Decision Making at Times of Accidents for Autonomous Vehicles
22	1430	Crystal Size and Strain Estimation of 10% Cu doped ZnO Nanoparticles using X-ray Diffraction Data
23	1431	Bone Cancer Detection & Classification Using Fuzzy Clustering &Neuro Fuzzy Classifier
24	1463	White Blood Cell Detection and Segmentation from Fluorescent Images with an Improved Algorithm using K-means Clustering and Morphological Operators
25	1492	Numerical Analysis: Toward the Design of Lead Free HighlyEfficient Perovskite Solar Cells

Technical Session : TS-2I		
Session Title : Biomedical Engineering – II		
Venue : Room-501, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair : Dr. Khondaker Abdullah Al Mamun, UIU		
Session Co-Chair :Col A K M Nazrul Islam, PhD, MIST		
Ser No	Paper ID	Title of the paper
1	1134	Spectroscopic Characterization of Biological Tissue using Quantitative Acoustics Technique
2	1146	Ensemble of Multiple Models for Robust Intelligent Heart Disease Prediction System
3	1147	Design of a Low-costAutomated Cardiopulmonary Resuscitation Device withPiston-Driven Chest Compression System
4	1158	Design and Implementation of a Wireless Health Monitoring System for Remotely Located Patients
5	1195	Design and Implementation of a Smart Health Band for the Measurement of Blood Pressure, Pulse Rate and Body Temperature

Technical Session : TS-2J		
Session Title : Artificial Intelligence – III		
Venue : Room-502, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair :Dr. Sayed Akhter Hossain, DIU		
Session Co-Chair :Gp Capt Mohammed Hossam-E-Haider, Phd, BAF, MIST		
Ser No	Paper ID	Title of the paper
1	1385	A Neural Engine for Movie Recommendation System
2	1398	Recommendation System for Bangla News Article with Anaphora Resolution

3	1399	Subjectivity Analysis of Movie Reviews Using Machine Learning to Perform Sentence Level Classification
4	1401	Sentiment Clustering By Mahalanobis Distance
5	1405	Effects of Filter on the Classification of Brain MRI Image using Convolutional Neural Network

Technical Session : TS-2K		
Session Title : Software Engineering – II		
Venue : Room-504, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair :Dr.Md Forhad Rabbi, SUST		
Session Co-Chair :Capt M S A A F Shiblee, (L), BN, MIST		
Ser No	Paper ID	Title of the paper
1	1208	Bangladesh Cricket Squad Prediction Using Statistical Data and Genetic Algorithm
2	1353	A New Secured Cloud Computing Service: A Case Study of Large Scale Linear Regression
3	1356	Accuracy Improvement of fNIRS based Motor Imagery Movement Classification by Standardized Common Spatial Pattern
4	1309	A Proposed Approach for Automatic Supply of Purified Water along with Bill Generation in Context of Bangladesh

Technical Session : TS-2L		
Session Title : Computer Network and Security – II		
Venue : Room-505, 5th Floor, Tower – 1		Time : 16:10-17:40
Session Chair :Dr. M M A Hashem, KUET		
Session Co-Chair :Prof Dr. Md Mahbubur Rahman, MIST		
Ser No	Paper ID	Title of the paper
1	1369	Detection of Flow Based Anomaly in OpenFlow Controller: A Machine Learning Approach in Software Defined Networking
2	1484	Flow Based Anomaly Detection in Software Defined Networking: A Deep Learning Approach With Feature Selection Method
3	1496	Design and Development of a Low-Cost IoT based Environmental Pollution Monitoring System
4	1508	A IoT-Belief Rule Base Smart System To Assess Autism

Tutorial - II : Day – 2, Friday, 14thSeptember, 2018

Venue :Room-601, 6th Floor, Tower – 1		Time : 16:10-17:40
Tutorial Session	Name of Presenter	Topic
Tutorial - III	H. M. Barru Sunny Urbanetech	Fiber Optic Simulator: Optisim

Technical Sessions : Day – 3, Saturday, 15th September, 2018

Technical Session : TS-3A		
Session Title : Artificial Intelligence – IV		
Venue : Room-501, 5th Floor, Tower – 1		**Time :9:30-10:50**
Session Chair :Brig Gen Md Shahidul Alam, MIST		
Session Co-Chair :Col Molla Md Zubaer, te, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1395	Keyphrase Extraction from Bengali Document using LSTM Recurrent Neural Network
2	1410	Player's Performance Prediction in ODI Cricket Using Machine Learning Algorithms
3	1429	Public Vehicle ETA System Using Machine Learning
4	1466	Breast Cancer Prediction Applying Different Classification Algorithm with Comparative Analysis Using WEKA
5	1488	A Facial Region Segmentation Based Approach to Recognize Human Emotion Using Fusion of HOG & LBP Features and Artificial Neural Network

Technical Session : TS-3B		
Session Title : VLSI and Circuits + Semiconductor Devices and Nano-Technology		
Venue : Room-502, 5th Floor, Tower – 1		**Time : 9:30-10:50**
Session Chair : Dr. ABM Harun-ur Rashid, BUET		
Session Co-Chair :Dr. Md Tawfiq Amin, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1122	A High Output Power Active Inductor Based Voltage Controlled Oscillator for Bluetooth Applications in 90nm Process
2	1354	Design and Implementation of DWT for EEG Signal on FPGA
3	1390	MoS_2 Based TFET: Study on Channel Thickness Dependent Performance
4	1464	Performance Analysis and Simulation of Spiral and Active Inductor in 90nm CMOS Technology

Technical Session : TS-3C		
Session Title : Photonics and Optical Communication -II		
Venue : Room-504, 5th Floor, Tower – 1		**Time : 9:30-10:50**
Session Chair :Dr. Md Forkan Uddin, BUET		
Session Co-Chair :Col A K M Nazrul Islam, PhD, MIST		
Ser No	**Paper ID**	**Title of the paper**
1	1380	Performance Analysis of Underwater Wireless Optical CDMA System
2	1450	Deep Subwavelength Confinement in Elliptical Nanowire Based Hybrid Plasmon Waveguide
3	1467	Extremely Low Loss, Dispersion Flattened Polarization Maintaining Fiber in THz Regime
4	1476	Length Optimization and Pumping Configuration Based Tunable Erbium Doped Fiber Laser
5	1498	BER Performance of Self-Coherent PDM-QPSK Optical Transmission System in Presence of GVD and PMD Using Exact Probability Density Function

Plenary Sessions : Day – 3, Saturday, 15th September, 2018

Plenary Session III		
Venue : Multipurpose Hall, Tower Building – 1 (10th Floor)		Time :11:20-13:15
Session Chair :Col Md Golam Mostafa, MIST		
Session Co-Chair : Wg Cdr Md Abdul Halim, Engg, BAF, MIST		
Keynote Session	Name of Keynote Speaker	Topic
Keynote Speech - 3	Prof Ashik Paul University of Calcutta, West Bengal, India	Space Situational Awareness (SSA) and Space Weather Effects
Invited Talk - 2	Assoc. Prof. Dr. Md. Akhtaruzzaman National University of Malaysia, Selangor, Malaysia	Advancement of Low-Cost and High Efficiency Printable Perovskite Solar cells

Plenary Session IV		
Venue : Multipurpose Hall, Tower Building – 1 (10th Floor)		Time :15:15-16:15
Session Chair : Dr. A K M Nazrul Islam, MIST		
Session Co-Chair : Wg Cdr Md Abdul Halim, Engg, BAF, MIST		
Keynote Session	Name of Keynote Speaker	Topic
Keynote Speech - 4	Prof Nowshad Amin The National Energy University, Selangor, Malaysia	Targeting High Efficiency Solar Photovoltaic Cells by Optical Confinement and Tandem Structures

Closing Ceremony

Time	Event	Venue
15:00-15:15	Arrival of Guests	General Mustafiz Multipurpose Hall 10th Floor, Tower – 1
15:15	Arrival of Chief Guest	
15:15-16:15	Plenary Session – 4	
16:15-16:30	Prize Giving Ceremony	
16:30-16:35	Address by Special Guest	
16:35-16:40	Address by Chief Guest	
16:40-16:45	Speech by Comdt, MIST	
16:45-17:00	Handover of Crests	
17:00-17:05	Vote of Thanks by Org Chair & Declaration of iCEEiCT 2020	
17:05-17:35	Tea Break	Central Tea Room, Old Tea Room 2nd Floor, Tower – 1
17:40	Departure	