



**2021 International Conference on Automation, Control and  
Mechatronics for Industry 4.0 (ACMI)**

**CONFERENCE SCHEDULE**



**Organized By**

**Department of Mechatronics Engineering  
Rajshahi University of Engineering & Technology  
Rajshahi – 6204, Bangladesh**

# DAY 1 – JULY 8, 2021, Thursday

[All dates and times are given in Bangladesh Standard Time (GMT+6.00)]

Time: 8:30 AM – 10:00 AM

## INAUGURAL CEREMONY

Time	Program	Meeting Info
8:30 AM	Introduction of the Conference Chair and Invited Guests	<p>Convener: Md. Firoj Ali</p> <p>Moderator: Md. Hafizur Rahman Md. Shariful Islam</p> <p>Meeting ID: 678 7370 0088 Password: 290777</p>
8:32 AM	Recitation from the Holy Quran	
8:36 AM	Recitation from the Holy Gita	
8:40 AM	Orientation of ACMI 2021	
8:45 AM	Welcome Address by the Organizing Chair	
8:50 AM	Address by the Technical Program Chair	
8:55 AM	Address by the Chair, IEEE Bangladesh Section	
9:05 AM	Address by the Special Guest	
9:15 AM	Address by the Conference General Chair	
9:25 AM	Address by the Chief Guest & Opening of the ACMI 2021	
9:35 AM	Address by the Conference Organizing Secretary and Vote of Thanks	
9:40 AM	Closing	

Time: 10:00 AM – 11:00 AM

## Keynote Session # 01

Keynote Speaker	Keynote Speech Title	Meeting Info
<p><b>Zhiyong Chen</b> Professor, University of Newcastle, Australia</p>	<p>Secure Networked Control of Large-Scale Cyber Physical Systems Using Cryptographic Techniques</p>	<p>Session Chair: Prof. Dr. Md. Selim Hossain, RUET</p> <p>Session Co-Chair: Dr. Mohammad Humyun Fuad Rahman, UNSW</p> <p>Convener: Md. Hafiz Ahamed</p> <p>Moderator: Md. Mahfuz Rayhan Ahnaf Tanjid</p> <p>Meeting ID: 650 8032 1048 Password: 902591</p>

## Parallel Technical Session # 01

Time: 11:30 AM – 1:30 PM

### Session D1P1S1: Robotics, Mechatronics & Automation - I

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	138	Hasan, Md Mahmudul*; Islam, Md. Rafiul; Ahmed, Wasif; Saqib, Md. Masrur ;	Cost Effective Bluetooth Technology Based Emergency Medical Ventilator for Respiratory Support	11:30 AM	11:45 AM	

		Rahman, Md Rafi ; Uddin, Md. Rafi ; Rana, Md. Masud				<p><b>Session Chair:</b> Prof. Dr. Md. Faruk Hossain, RUET</p> <p><b>Session Co-Chair:</b> Prof. Dr. Masuma Akter, DUET</p> <p><b>Convener:</b> Md. Robiul Islam</p> <p><b>Moderator:</b> Roknuzzaman Md. Ishtiaque Tanzim</p> <p><b>Meeting ID: 674 2841 7843</b> <b>Password: 574171</b></p>
2	140	Anwar, Md. Mosaddikul*; Tasneem, Zinat; Masum, Alam	An Approach to Develop a Robotic Arm for Identifying Tomato Leaf Diseases using Convolutional Neural Network	11:45 AM	12:00 PM	
3	225	Rakib, Md. Abdullah Al*; MAHAMUD, MD. SADAD	An Arduino Based Smart Hand Gloves for Load Control and Physician Notification	12:00 PM	12:15 PM	
4	264	Rahman, Md. Sazedur*; Alam, Md. Shahinur; Tanvir, Mahib; Badal, Faisal ; Sarker, Subrata kumar; Das, Sajal	Effect of PID Controller on Blood Glucose Concentration for Varying Plasma Insulin, Independent Glucose Flux, Renal Glucose Clearance and Gut Absorption Rate	12:15 PM	12:30 PM	
5	290	Apu, Falgoon Sen*; Joyti, Fatema Islam ; Anik, Md Ala uddin ; Zobayer, Md Wasi Uddin ; dey, Atanu kumar ; Sakhawat, Sakib	Text and Voice to Braille Translator for Blind People	12:30 PM	12:45 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D1P1S2: Power, Energy & Industry Application - I**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	73	Ishraque, Md. Fatin*; Ali, Prof. Dr. Md. Mortuza	Optimized Design of a Hybrid Microgrid using Renewable Resources Considering Different Dispatch Strategies	11:30 AM	11:45 AM	<p><b>Session Chair:</b> Prof. Dr. Md Abdur Razzak, IUB</p> <p><b>Session Co-Chair:</b> Dr. Nahid Akhter Jahan, SU</p> <p><b>Convener:</b> Zinat Tasneem</p> <p><b>Moderator:</b> Shorif UI Islam Shahorin Akter Shima</p> <p><b>Meeting ID: 688 9108 3079</b> <b>Password: 140188</b></p>
2	94	Ahmed, Kazi Firoz ; Shad, Sakib Ahmed*	A Feasible Solution To Unelectrified Bauphal Area Using PV/Biogas/HFC Hybrid Power System Based on Real Load Data	11:45 AM	12:00 PM	
3	180	Shah, Md. Masud Ali; Parvez, Md. Shahariar*; Ahmed, Abir; Hazari, Md. Rifat	IoT Based Power Monitoring of Solar Panel Incorporating Tracking System	12:00 PM	12:15 PM	
4	196	Khan, Sara*; Rahman, Md. Motakabbir	Design and Simulation of Solar DC Nano Grid System from Bangladesh Perspective	12:15 PM	12:30 PM	
5	287	Nazifa, Saraban*; Islam, Roubaiath ; Kabir, Md Ahsan K; Hasan, Md. Mahadi	Analysis of the Impact of PV Penetration in Distribution Network: A Case Study in IEEE 14 Bus System	12:30 PM	12:45 PM	
6	292	Kabir, Md Ahsan K*; Islam, Roubaiath ; Nazifa, Saraban; Choudhury, Rukhsana	Dust Effect on Photovoltaic Output Performance: Comparative Analysis and A Case Study in Dhaka, Bangladesh	12:45 PM	1:00 PM	
7	302	Pranto, Dabashish Talukder; Pal, Rimi Pal; Hasan, Md. Nazmul ; Wahid, Md. Ferdous*	Numerical Simulation of CZTS Solar Cell with ZnSe Buffer Layer	01:00 PM	01:15 PM	
8	334	Sneha, Fariha Hakim*; Afrin, Samia; Hasan, Md. Mahadi	Designing and Feasibility Study of Net Metering System upon Installing Rooftop Solar PV: A Case Study at MIST, Bangladesh	01:15 PM	01:30 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D1P1S3: Signal Processing, AI & Machine Learning - I**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	98	Alam, Md.Nazmul; Shufian, Abu*; Masum, Md. Abdullah Al; Noman, Abdullah Al	Efficient Smart Water Management System Using IoT Technology	11:30 AM	11:45 AM	<p><b>Session Chair:</b> Prof. Dr. Rafiqul Islam, DUET</p>
2	113	Faysal, Md.Anowar Hossen*; Ahmed, Md Rasel; Rahaman, Md. Masudur; Ahmed, Fizar	A Review of Groundbreaking Changes in the Poultry Industry in Bangladesh Using the Internet of Things (IoT) and Computer Vision Technology	11:45 AM	12:00 PM	

3	165	Khandakar, Rabbi ahmed*; Hossain , Md Alomgir	An automated IOT Based Fire Detection & Safety Control for Garments industry in Bangladesh: A Study	12:00 PM	12:15 PM	<p><b>Session Co-Chair:</b> Dr. M. Firoz Mridha, BUBT</p> <p><b>Convener:</b> Md. Firoj Ali</p> <p><b>Moderator:</b> Erphan Ahmmad Bhuiyan Amrita Agarwala</p> <p><b>Meeting ID: 683 5004 6421</b> <b>Password: 346823</b></p>
4	207	Al Amin, Sayed *; Islam, Md. Ashikul; Islam, Md. Saiful	A Fingerprint Based Smart Attendance and Security System Using IoT and Ultrasonic Sensor	12:15 PM	12:30 PM	
5	301	Shayshab Azad, Khan Mohammad* Hossain Nayon, Samia Nafisa Anjum, Islam Md. Jahidul, Hossain Arif, Kabir Sumaiya	A cost-effective Internet of Things based smart home system for Upcoming technologies	12:45 PM	1:00 PM	
6	311	Islam, S M Rezwanul*; Islam, Md. Ariful ; Kader, Md. Abdul ; Kabir , Md.Monirul	Design and Implementation of a New Green IoT Gateway Module	1:00 PM	1:15 PM	
7	321	Das, Arpita; Katha, Shimul Dey; Sadi, Md. Sheikh; Al Islam, Ferdib*	An IoT Enabled Health Monitoring Kit Using Non-Invasive Health Parameters	1:15 PM	1:30 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D1P1S4: Signal Processing, AI & Machine Learning -II**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	48	Ishrat Khan, H M Abdul Fattah and Pintu Chandra Shill	A hybrid kernel support vector machine for predicting protein structure	11:30 AM	11:45 AM	<p><b>Session Chair:</b> Dr. Md. Kafiul Islam, IUB</p> <p><b>Session Co-Chair:</b> Dr. Md. Ali Hossain, RUET</p> <p><b>Convener:</b> Sumaya Ishrat Moyeen</p> <p><b>Moderator:</b> Swapnil Saha Kotha Sakib Hassan Chowdhury</p> <p><b>Meeting ID: 670 8588 2857</b> <b>Password: 617067</b></p>
2	111	Hossain, Md. Muktar*; Islam, Md. Rabiul	Privacy Preserving in Sequential Data Publishing	11:45 AM	12:00 PM	
3	157	S, Santosh; Seshadri, Srivas*; Boothalingam, Ramani	Real-Time Facemask Detection and Analytics	12:00 PM	12:15 PM	
4	163	Singha, Suvojit Kumar*; Ahmad, Mohiuddin; Islam, Md. Rabiul	Multiple Regression Analysis Based Non-Invasive Blood Glucose Level Estimation Using Photoplethysmography	12:15 PM	12:30 PM	
5	189	Haque, A S M Farhan Al; Hakim, Md. Azizul*; Hafiz, Rubaiya	CNN Based Automatic Computer Vision System for Strain Detection and Quality Identification of Banana	12:30 PM	12:45 PM	
6	192	Jahan, Nusrat; Rashid, Israt Binte ; Numan, Obaydullah Al ; Hasan, Dr. Touhidul; Begum, Nasima*	Collaborative AI in Smart Healthcare System	12:45 PM	1:00 PM	
7	226	Akhter, Jakia; Ahmed, Md Manjur*; Samsuddoha, Md	Online Clustering Technique with Adaptable Threshold and Radius for Evolving Data Stream	1:00 PM	1:15 PM	
8	251	Rahman, Md Moshir *; Masud, Md Abdul	Improved k-means Algorithm using Weight Estimation	1:15 PM	1:30 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D1P1S5: Machine Dynamics, Mechanics & Industry 4.0 -I**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	112	Md Ghulam Zakir *; Md.Sadman Anjum Joarder; Farjana Hassan; Farzana Binthe Farooq; Md Muzahidul Islam	Investigation on Steam Flow in a Secondary Circuit of a VVER-1000 Power Plant	11:30 AM	11:45 AM	<p><b>Session Chair:</b> Prof. Dr. Md. Rokunuzzaman, RUET</p>

2	156	Sangida Akter; Md.Sadman Anjum Joarder; Md Ghulam Zakir *; Altab Hossain; Md Abdur Razzak ; Dr. Md. Shafiqul Islam	Comparative Analysis of Thermal Hydraulic Parameters of AP-1000 and VVER-1200 Nuclear Reactor for Turbine Trip Concurrent with Anticipated Transient Without SCRAM (ATWS)	11:45 AM	12:00 PM	<p><b>Session Co-Chair:</b> Dr. Md. Sanaul Rabbi, CUET</p> <p><b>Convener:</b> Md. Faisal Rahman Badal</p> <p><b>Moderator:</b> SM Naimul Islam Shahariar Hossan</p> <p><b>Meeting ID: 670 7667 7893</b> <b>Password: 460287</b></p>
3	216	Md Omarsany Bappy; Raihan Aziz ; AKM Monjur Morshed ; Abdul Aziz Shuvo	Experimental Study of the Effect of Rectangular Micro Groove on Condensation Behavior of Vertical Copper Plate	12:00 PM	12:15 PM	
4	298	Souvik Chakraborty *; Nabila Khayer; Md. Limon Mia; Ar-Rafi Hriday; Joydev Karmakar Rahul; Toukir Ahmed; Nabila Khayer; Md. Zahidul Islam	Design and Re-engineering of an Automated Solar Lawn Mower	12:15 PM	12:30 PM	

**Time: 2:00 PM – 3:00 PM** **Keynote Session # 02**

Keynote Speaker	Keynote Speech Title	Meeting Info
<p style="text-align: center;"><b>Wei Xu</b> Professor, Huazhong University of Science and Technology (HUST), China</p>	<p style="text-align: center;">Efficiency Improvement for Linear Induction Machine and Drive System Adopted for Urban Transportation</p>	<p><b>Session Chair:</b> Prof. Dr. Sajal Chandra Banik, CUET</p> <p><b>Session Co-Chair:</b> Dr. Ratil H Ashique, GUB</p> <p><b>Convener:</b> Md. Hafiz Ahamed</p> <p><b>Moderator:</b> Md. Mahfuz Rayhan Ahnaf Tanjid</p> <p><b>Meeting ID: 669 9984 1359</b> <b>Password: 875779</b></p>

**Time: 3:00 PM – 4:00 PM** **IEEE Talk (BD Section)**

Speaker	Speech Title	Meeting Info
<p><b>Dr. Shailaja Patil</b> Professor, Rajarshi Shahu College of Engineering, Pune, India</p>	<p style="text-align: center;">IP components in technology development</p>	<p><b>Convener:</b> Zinat Tasneem</p> <p><b>Moderator:</b> Shorif UI Islam Shahorin Akter Shima</p> <p><b>Meeting ID: 683 1663 8397</b> <b>Password: 667358</b></p>
<p><b>Dr. Manjira Sinha</b> Assistant Professor, Indian Institute of Technology Kharagpur</p>	<p style="text-align: center;">Role of AI, ML in Developing Intelligent Prosthetics</p>	

Time: 4:00 PM – 5:00 PM			Keynote Session # 03			
Keynote Speaker		Keynote Speech Title			Meeting Info	
<p style="text-align: center;"><b>Prahlad Vadakkepat</b> Professor, National University of Singapore, Singapore</p>		<p style="text-align: center;">Industry 4.0 – AI, Robotics and Automation</p>			<p style="text-align: center;">Session Chair: Prof. Dr. Md. Mosharraf Hossain, RUET</p> <p style="text-align: center;">Session Co-Chair: Dr. Manabendra Saha, UA Convener: Sumaya Ishrat Moyeen</p> <p style="text-align: center;">Moderator: Swapnil Saha Kotha Sakib Hassan Chowdhury</p> <p style="text-align: center;">Meeting ID: 641 3005 9512 Password: 642475</p>	

**Parallel Technical Session # 02**

Time: 5:00 PM – 7:00 PM			Session D1P2S1: Robotics, Mechatronics & Automation - II			
Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	96	Roman Richard, Abdullah Al; Sadman, Md. Farhad*; Rahman, Istiyar; Mim, Umma Habiba; Ahmed, Abir; Zishan, Md. Saniat Rahman	Design and Implementation of Smart Old Age Home	5:00 PM	5:15 PM	<p style="text-align: center;">Session Chair: Dr. Md. Arifur Rahman, DUET</p> <p style="text-align: center;">Session Co-Chair: Dr. Golam Rashed, SUJ</p> <p style="text-align: center;">Convener: Md. Robiul Islam</p> <p style="text-align: center;">Moderator: Roknuzzaman Md. Ishtiaque Tanzim</p> <p style="text-align: center;">Meeting ID: 692 3889 6309 Password: 002892</p>
2	155	Hasan, Mehedi*; Sone, Rafiul Islam; Sen, Apu ; Das, Ritu Parna ; Ahmed, Joel	Design and Development of a Fire Fighting Mobile Surveillance Robot With Autonomous Collision Avoidance	5:15 PM	5:30 PM	
3	167	Rashid, Mohammad Harun-Or*	Design and Development of a Robotic Arm for Sorting Colored Object	5:30 PM	5:45 PM	
4	239	Chowdhury, Tadib; Khan, Salwa; Faruk, Tasnuva; Islam, Md Kafiul *	Design and Implementation of a Low-cost Real-Time Vein Imaging for Developing Countries	5:45 PM	6:00 PM	
5	282	Rahman, Md.Ehteshamur*; Siddique, Abu Bakar ; Islam, Md. Saiam Bin; Hossain, Tamim; Das, Sajal; Sarker, Subrata ; Sajib, Md. Arifuzzaman	A Compact Design of Affordable Multi-purpose CNC Laser Engraver	6:00 PM	6:15 PM	
6	322	Masud, Md. Shafakat*; Haque, Nawar; Hasan, Riyad; Muktadir, MD Sifatul	Fabrication of a Control Rod Drive Mechanism Emulator for Nuclear Reactors	6:15 PM	6:30 PM	
7	328	Gourob, Jobair Hossain*; Raxit, Sourav; Hasan, Afnan	A Robotic Hand: Controlled With Vision Based Hand Gesture Recognition System	6:30 PM	6:45 PM	

Time: 5:00 PM – 7:00 PM      Session D1P2S2: Power, Energy & Industry Application - II

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	83	Sakib, Iftadul Islam*; Uddin, Mohammad Rejwan; Faruque., Khan Farhan Ibne;	Design of a 2-KW Transformerless Grid Tie Inverter Using High-Frequency Boost Converter	5:00 PM	5:15 PM	Session Chair:

		Salim, Khosru M.				Prof. Dr. M. Mofazzal Hossain, ULAB  <b>Session Co-Chair:</b> Dr. Md. Rifat Hazari, AIUB  <b>Convener:</b> Md. Faisal Rahman Badal  <b>Moderator:</b> SM Naimul Islam Shahariar Hossan  <b>Meeting ID: 672 4868 5754</b> <b>Password: 104749</b>
2	115	Islam, Md.Tariqul *; Rahman, Prof. Dr. Md. Fayzur; Maruf, Md. Hasan ; Roshid, Md Harun UR	Novel Multicarrier Arrangement for Generating Switching Pulses of Symmetric and Asymmetric Multilevel Inverters with lowest THDS	5:15 PM	5:30 PM	
3	130	Mondol, Md. Halim*; Hossain, Md. Kamal ; Anower, Md. Shamim	A New Cross-Six Inverter for Transformerless Grid-Connected Photovoltaic Systems	5:30 PM	5:45 PM	
4	166	Islam, Md. Robiul*; Snikdha, Zakia Sultana; Iffat, Afnan	Optimum Blade Design of Pinwheel Type Horizontal Axis Wind Turbine for Low Wind Speed Areas	5:45 PM	6:00 PM	
5	191	Golam Kibria, Md.; Islam, Dr. Md. Shahidul; Kumar, Alok*	Comparative Analysis of Phase Disposed Carrier Wave Modulation for Asymmetric Three Phase Multilevel Inverter	6:00 PM	6:15 PM	
6	234	Bhuiyan, Erphan Ahmmad; Sarker, Yeahia; Fahim, Shahriar Rahman*; Mannan, Mohammad Abdul ; Sarker, Subrata kumar; Das, Sajal	A Reliable Open-Switch Fault Diagnosis Strategy for Grid-tied Photovoltaic Inverter Topology	6:15 PM	6:30 PM	
7	317	Haq, Safa; Biswas, Shuvra Prokash*; Hossain, Md. Kamal	Performance Investigation of Different Modulation Schemes for an 11-level NPC Inverter Fed Induction Motor Drive	6:30 PM	6:45 PM	
8	326	Anower, Md. Shamim *; Adhikary, Anik	Reduction of Leakage Current in a Single Phase Transformerless Grid Connected PV System	6:45 PM	07:00 PM	

**Time: 5:00 PM – 7:00 PM**

**Session DIP2S3: Power, Energy & Industry Application - III**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	133	Uddin, Nasir; Khallil, Md. Ebrahim; Das, Tushar Kumar*; Sarker, Sudip	Evaluation of Active Filter Design and Harmonics Analysis Using MATLAB	5:00 PM	5:15 PM	<b>Session Chair:</b> Prof. Dr. Mohammad Abdul Mannan, AIUB  <b>Session Co-Chair:</b> Dr. Md. Azad Hossain, CUET  <b>Convener:</b> Zinat Tasneem  <b>Moderator:</b> Shafqat Ahmed Enamul Hasan Shagato  <b>Meeting ID: 611 3992 4285</b> <b>Password: 578902</b>
2	145	Joyeeta, Tasnim Sarker*; Roy, Dr. Tushar Kanti; Sheikh, Dr. Md. Rafiqul Islam	Design of a Nonlinear Excitation Controller for Single Machine Infinite Bus Power Systems to Improve the Transient Stability	5:15 PM	5:30 PM	
3	175	Islam, Merina*; Yeasmin, Sumaiya; Fahim, Shahriar Rahman; Sarker, Subrata Kumar; Badal, Faisal ; Das, Sajal	Data Driven Model Predictive Control Design to Enhance Tracking Accuracy and Power Quality of a Solar Based Microgrid under Uncertain Load	5:30 PM	5:45 PM	
4	188	Reza, Nasim*; Mondol, Nibir	Design and Implementation of an Automatic Single Axis Tracking with Water-Cooling System to Improve the Performance of Solar Photovoltaic Panel	5:45 PM	6:00 PM	
5	235	Muktadir, MD Sifatul*; Datta, Debashis; Mollah, Abdus Sattar	Probabilistic Fracture Mechanics Analysis of the Beltline of A PWR Nuclear Power Plant Pressure Vessel	6:00 PM	6:15 PM	
6	245	Sneha, Fariha Hakim*; Hasan, Md. Mahadi; Mostafa, Md Golam	Improved Design of a Battery Charger for Three-Wheeler Auto Rickshaws in Bangladesh with Low Harmonic SWISS Rectifier	6:15 PM	6:30 PM	



7	258	Rahman, Atik Yasir*; Provat, Md Sahib Alam; Amin, Md Tawfiq; Sneha, Fariha Hakim	Improved Design of a Low Power, Low Noise and Frequency Stable Voltage Controlled Oscillator for Wireless Power Transfer	6:30 PM	6:45 PM	
8	262	Faria , Farjana *; Roy, Dr. Tushar Kanti; Khatun, Most. Mahmuda; Sarkar, Tanmoy; Haque, Tabassum; Hore, Anik Kumar	Robust Nonlinear Double Integral Sliding Mode Controller Design for Mitigating SSR in DFIG-Based Wind Farms	6:45 PM	07:00 PM	

**Time: 5:00 PM – 7:00 PM**

**Session D1P2S4: Signal Processing, AI & Machine Learning - III**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	50	Niloy, Ehsan Ahmed*; Meghna, Jannatun; Shahriar, Mohammad	Hand Gesture-Based Character Recognition Using OpenCV and Deep Learning	5:00 PM	5:15 PM	<p>Session Chair: Prof. Dr. Md. Moshuiul Hoque, CUET</p> <p>Session Co-Chair: Dr. Shamim Al Mamun, JU</p> <p>Convener: Md. Firoj Ali</p> <p>Moderator: Erphan Ahmmad Bhuiyan Amrita Agarwala</p> <p>Meeting ID: 667 4881 6153 Password: 771069</p>
2	65	Hussain, Abrar; Kayed, Nayem Al; Karim, Mohammad R*; Jahan, Nusrat; B Rahman, Prof. Dr.	Deep learning Approach for Predicting Optical Properties of Chalcogenide Planar Waveguide	5:15 PM	5:30 PM	
3	103	Soumik, Mohd. Farhan Israk*; Aziz, Abu Zahid Bin ; Hossain, Md. Ali	Improved Transfer Learning Based Deep Learning Model For Breast Cancer Classification From Histopathological Images	5:30 PM	5:45 PM	
4	142	Kamruzzaman, Mahammed *; Bakchy, Sagor Chandro; Hasan, Tonmoy; Shovon, Md. Minul Islam; Hossain, Mohammed	An Intense Investigation on Deep and Traditional Machine Learning Approaches for Better Sentiment Classification	5:45 PM	6:00 PM	
5	183	Hasan, Md. Jahid*; Alom, Md. Shahin; Fatema, Umme; Wahid, Md. Ferdous	Deep Learning Based Retinal OCT Image Denoising using Generative Adversarial Network	6:00 PM	6:15 PM	
6	198	Rayan, Muhammad Abu*; Rahim, Abdur; Rahman, Md Abir; Marjan, Md. Abu; Ali, U. A. Md. Ehsan	FISH FRESHNESS CLASSIFICATION USING COMBINED DEEP LEARNING MODEL	6:15 PM	6:30 PM	

**Time: 5:00 PM – 7:00 PM**

**Session D1P2S5: Signal Processing, AI & Machine Learning - IV**

Sl. No	Paper ID	Author's Name	Paper Title	Start Time	End Time	Meeting Info
1	30	Shill, Apu Chandraw*; Rahman, Md. Asifur	Plant Disease Detection Based on YOLOv3 and YOLOv4	5:00 PM	5:15 PM	<p>Session Chair: Prof. Dr. M.M.A. Hashem, KUET</p> <p>Session Co-Chair: Prof. Dr. Md. Shamim Anower, RUET</p> <p>Convener: Md. Hafiz Ahamed</p>
2	141	Abdul Fattah, H M*; Hasan, K. M. Azharul ; Das, Sunanda	A Voting Classifier for the Treatment of Employees' 2019 Mental Health Disorder	5:15 PM	5:30 PM	
3	202	Nazri, Rezwana Akter; Das, Sunanda *; Haque, Rifah Tasnim	Heart Disease Prediction using Synthetic Minority Oversampling Technique and Soft Voting	5:30 PM	5:45 PM	
4	204	Mohonta, Shadhon Chandra*; Tara, Kusum; Ali, Md. Firoj	Cardiac Disorder Detection based on Features analysis and CNN in GUI from ECG Signals	5:45 PM	6:00 PM	



5	223	ISLAM, ARIFUL*; Sarkar, Dr. Ajay Krishno; Ghosh, Tonmoy	EEG Signal Classification for Mental Stress During Arithmetic Task Using Wavelet Transformation and Statistical Features	6:00 PM	6:15 PM	Moderator: Labanya Talukder Md Arafat Islam Raz
6	243	Peyal, Hasibul Islam; Shahriar, Saleh Mohammed*; Sultana, Abida; Jahan, Ifat; Mondol, Md. Halim	Detection of Tomato Leaf Diseases Using Transfer Learning Architectures: A Comparative Analysis	6:15 PM	6:30 PM	Meeting ID: 695 0097 9005 Password: 951726

**Time: 7:00 PM – 8:00 PM**

**Keynote Session # 04**

Keynote Speaker	Keynote Speech Title	Meeting Info
<p style="text-align: center;"><b>Latifur Khan</b> Professor, The University of Texas at Dallas, USA</p>	<p style="text-align: center;">Data to knowledge: Modernizing political event data, social media data and covid19 images using machine learning (ML)</p>	<p style="text-align: center;">Session Chair: Prof. Dr. Md. Fokhrul Islam, IUT</p> <p style="text-align: center;">Session Co-Chair: Dr. Rifat Hazari, AIUB</p> <p style="text-align: center;">Convener: Sumaya Ishrat Moyeen</p> <p style="text-align: center;">Moderator: Nahida Akter Md. Abul Basar Roky</p> <p style="text-align: center;">Meeting ID: 686 7419 5475 Password: 373277</p>

# DAY 2 – JULY 9, 2021, Friday

[All dates and times are given in Bangladesh Standard Time (GMT+6.00)]

**Time: 8:30 AM – 9:30 AM**

## Keynote Session # 05

Keynote Speaker	Keynote Speech Title	Meeting Info
<b>Ian Petersen</b> Professor, Australian National University, Australia	Using Systems and Control Theory Ideas in the Design of Quantum Amplifiers	<p>Session Chair: Prof. Dr. Celia Shahnaz, BUET</p> <p>Session Co-Chair: Dr. Jia Uddin, WUD</p> <p>Convener: Md. Hafiz Ahamed</p> <p>Moderator: Md. Mahfuz Rayhan Ahnaf Tanjid</p> <p>Meeting ID: 695 2147 6199 Password: 025849</p>

**Time: 9:30 AM – 10:30 AM**

## Keynote Session # 06

Keynote Speaker	Keynote Speech Title	Meeting Info
<b>S. M. Muyeen</b> Associate Professor, Curtin University, Australia	State-of-the-art Research Facilities in Educational Institutes for Sustainable Energy Growth	<p>Session Chair: Professor Dr. Firoz Alam, RMIT</p> <p>Session Co-Chair: Dr. M. Shafiul Alam, KFUPM</p> <p>Convener: Dip Kumar Saha</p> <p>Moderator: Sakib Hassan Chowdhuri Md. Ishtiaque Tanzim</p> <p>Meeting ID: 624 2087 8404 Password: 527469</p>

**Time: 10:30 AM – 11:15 AM**

## Invited Session # 01

Invited Speaker	Speech Title	Meeting Info
<b>Ripon Kumar Chakraborty</b> Lecturer, University of New South Wales, Canberra, Australia	What digital technology-based extensions can trigger the developments towards Supply Chain Risk Analytics?	<p>Session Chair: Prof. Dr. Mohammad Mizanur Rahman, CUET</p> <p>Session Co-Chair: Dr. Nahid Akhter Jahan, SU</p>

		<p>Convener: Sumaya Ishrat Moyeen</p> <p>Moderator: Jalal uddin Swapnil Saha Kotha</p> <p>Meeting ID: 628 7519 6885 Password: 402330</p>
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**Time: 10:30 AM – 11:15 AM** **Invited Session # 02**

Invited Speaker	Speech Title	Meeting Info
<p><b>G. G. Md. Nawaz Ali</b> Assistant Professor, University of Charleston, West Virginia</p>	<p>Mobility for Tomorrow: Connected and Autonomous Vehicle Perspective</p>	<p>Session Chair: Prof. Dr. Md. Raju Ahmed, DUET</p> <p>Session Co-Chair: Dr. Md. Kafiul Islam, IUB</p> <p>Convener: Md. Faisal Rahman Badal</p> <p>Moderator: SM Naimul Islam Shahariar Hossan</p> <p>Meeting ID: 648 3987 2893 Password: 438147</p>

**Time: 10:30 AM – 11:15 AM** **Invited Session # 03**

Invited Speaker	Speech Title	Meeting Info
<p><b>Suyog Vyawahare</b> Technical Consultant, Sincos Automation Technologies Ltd.</p>	<p>What is Industry 4.0 in Bangladesh?</p>	<p>Session Chair: Prof. Dr. Ajay Krishno Sarkar, RUET</p> <p>Session Co-Chair: Dr. Tushar Kanti Roy, RUET</p> <p>Convener: Md. Mehedi Hasan</p> <p>Moderator: Afifa Akter Md. Sameer Yamin</p> <p>Meeting ID: 64652077453 Password: 2849</p>

## Parallel Technical Session # 03

**Time: 11:30 AM – 1:30 PM**

**Session D2P3S1: Power, Energy & Industry Application - IV**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	51	Saha, Badhon*; Ahmed, Kazi Firoz ; Saha, Shoumitra; Islam, Md. Thoufiqul	Short-Term Electrical Load Forecasting Via Deep Learning Algorithms to Mitigate the Impact of Covid-19 Pandemic on Power Demand	11:30 AM	11:45 AM	<p style="text-align: center;">Session Chair: Dr. Naruttam Kumar Roy, KUET</p> <p style="text-align: center;">Session Co-Chair: Dr. S. M. Mahfuz ALAM, DUET</p> <p style="text-align: center;">Convener: Zinat Tasneem</p> <p style="text-align: center;">Moderator: Shorif UI Islam Shahorin Akter Shima</p> <p style="text-align: center;">Meeting ID: 673 5447 3466 Password: 787218</p>
2	134	Ahmed, Md. Raju*; Islm, Md. Shahidul ; Karmaker, Ashish Kumar	Experimental Investigation of Electrical and Thermal Properties of Vegetable Oils for Used in Transformer	11:45 AM	12:00 PM	
3	135	Shatil, Abu Hena M*	Smart Grid Prospects and Challenges in Bangladesh; A Distribution System Operator's Viewpoint	12:00 PM	12:15 PM	
4	179	Roy, Koushik*; Ishmam, Abtahi; Taher, Kazi Abu	Demand Forecasting in Smart Grid Using Long Short-Term Memory	12:15 PM	12:30 PM	
5	200	Paul, Robi*; Ahmed, Foez; Shahriar, T. A. M. Ragib; Ahmad, Mufassal; Saha, Jibesh K; AHAMMAD, ARIF	Centralized Power Monitoring & Management System of an Institution Based on Android App	12:30 PM	12:45 PM	
6	217	Hore, Anik Kumar; Roy, Dr. Tushar Kanti*; Sarkar, Tanmoy; Faria , Farjana ; Haque, Tabassum; Khatun, Most. Mahmuda	Stability Analysis of an SMIB Power System Using an Integral Backstepping-Partial Feedback Linearizing Approach	12:45 PM	1:00 PM	
7	288	Islam, Noor-E-Taha Md Saffatul*; Hossain, Md Alamin; Kabir, Md Ahsan K; Hasan, Md. Mahadi	Analysis of the Applicability of DSM Techniques in Industrial Load Management : Bangladesh Perspective	01:00 PM	01:15 PM	
8	309	Kayes, Ahmed Imrul*; Choudhury, Rukhsana ; Kabir, Md Ahsan K; Farjana, Faija	Assesment of Grid Limiting Factor to Enhance Net-Energy Metering Schemes for Industrial PV System in Bangladesh	01:15 PM	01:30 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D2P3S2: Power, Energy & Industry Application - V**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	43	Karim, Md. Anwarul*; Dipti, Sharmin Sultan; Sarkar, Dilip Kumar; Karmakar, Aneek Krishna	Refill and Recharge Smart Portable Micro-Devices by Direct Methanol Fuel Cells: Developed with PVA Based Modified Electrolyte Membranes	11:30 AM	11:45 AM	<p style="text-align: center;">Session Chair: Prof. Dr. Mohammad Ariful Islam, KUET</p> <p style="text-align: center;">Session Co-Chair: Dr. Mohammad Ismail Hossain, UCD</p> <p style="text-align: center;">Convener: Md. Faisal Rahman Badal</p> <p style="text-align: center;">Moderator: Nahida Akter Md.Abul Basar Roky</p>
2	117	Pranto, Ariq Rahman; Aumio, Muide Muktedir; Ahammad, Mujtahid; Sarker, Anik; Parvez, Md. Shahariar*; Ahmed, Abir; Hazari, Md. Rifat	Design, Implementation and Analysis of a MAGLEV Wind Turbine	11:45 AM	12:00 PM	
3	197	Iqbal, Sayed Allamah*	Soliton Solutions:Discrete Dynamical Analysis of Nonlinear Vacuum Diode throughout the Discharging Capacitor	12:00 PM	12:15 PM	
4	263	Haque, Tabassum*; Roy, Dr. Tushar Kanti; Faria , Farjana ; Khatun, Most. Mahmuda; Sarkar, Tanmoy; Hore, Anik Kumar	Power Flow Control in DC Microgrids Using an Integral Sliding Mode Control Approach	12:15 PM	12:30 PM	
5	270	Haque, Ekramul Haque; Rahman, Asfaqur*; Ahmed,	An Adaptive Over Current Protection Scheme And Impact of Distributed Generation On	12:30 PM	12:45 PM	

		Sabbir; Bishal, Md. Rafayel; Hasan, Fardin; Mohammad, Kazi	IEEE 34 Radial Test Feeder			Meeting ID: 685 9011 9379 Password: 043728
6	320	Uddin, Md. Sihab; Bhuiyan, Erphan Ahmmad*; Sarker, Subrata kumar; Das, Sajal; Sarker, Niloy; Mondal, Md. Nazrul Islam	An Intelligent Short-circuit Fault Classification Scheme for Power Transmission Line	12:45 PM	1:00 PM	
7	324	Karmaker, Ashish Kumar*; Islam, S M Rezwanul	Energy Transferring Technology for Electric Vehicle Charging Station Considering Renewable Resources	01:00 PM	01:15 PM	
8	335	Hasan, Zahid; Khan, Riaz; Islam, Naimul ; Sarker, Subrata kumar; Fahim, Shahriar Rahman*; Das, Sajal	Deep Learning Techniques for Transmission Line Fault Diagonosis: A Comparative Evaluation	01:15 PM	01:30 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D2P3S3: Signal Processing, AI & Machine Learning - V**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	75	Tasnia Jahan Toma ; Samia Binta Hassan ; Dr. Mohammad Arifuzzaman	An analysis of supervised machine learning algorithms for spam email detection	11:30 AM	11:45 AM	<p>Session Chair: Prof. Dr. A. B. M. Aowlad Hossain, KUET</p> <p>Session Co-Chair: Prof. Dr. Md. Al Mamun, RUET</p> <p>Convener: Md. Firoj Ali</p> <p>Moderator: Erphan Ahmmad Bhuiyan Amrita Agarwala</p> <p>Meeting ID: 611 3437 8648 Password: 868825</p>
2	121	Paul, Avishek*; Islam, Md Rabiul	An Artificial Neural Network Based Anomaly Detection Method in CAN Bus Messages in Vehicles	11:45 AM	12:00 PM	
3	232	Sakib, Tahmid Hasan*; Ishak, Md; Jhumu, Farzana Faruk; Ali, Prof. Dr. Ameer	Analysis of Suicidal Tweets from Twitter Using Ensemble Machine Learning Methods	12:00 PM	12:15 PM	
4	238	Hossain, Adiba Ibnat; Sikder, Sabitri; Das, Annesha*; Dey, Ashim	Applying Machine Learning Classifiers on ECG Dataset for Predicting Heart Disease	12:15 PM	12:30 PM	
5	265	Ripa, Sadia Parvin*; Islam, Fahmida I; Arifuzzaman, Dr. Mohammad	The Emergence Threat of Phishing Attack and The Detection Techniques Using Machine Learning Models	12:30 PM	12:45 PM	

**Time: 11:30 AM – 1:30 PM**

**Session D2P3S4: Signal Processing, AI & Machine Learning - VI**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	44	Faruk, Farukuzzaman *	VGGCovidNet: A Deep Convolutional Neural Network to Predict COVID-19 Cases from X-Ray Images	11:30 AM	11:45 AM	<p>Session Chair: Prof. Dr. Mhia Md. Zaglul Shahadat, RUET</p> <p>Session Co-Chair: Prof. Dr. Md. Maniruzzaman, KU</p> <p>Convener: Md. Hafiz Ahamed</p> <p>Moderator: Labanya Talukder Md Arafat Islam Raz</p>
2	57	Jannat, Tasmia *; Sayeed, Abu; Afrin, Shafia	Supervised Linear Discriminant Analysis for Dimension Reduction and Hyperspectral Image Classification Method Based on 2D–3D CNN	11:45 AM	12:00 PM	
3	88	Nawreen, Nusraat; Hany, Umma*; Islam, Tahmina	Lung Cancer Detection and Classification using CT Scan Image Processing	12:00 PM	12:15 PM	
4	154	Rokunuzzaman, Md; Sayed Rafat Habib; Kowshik, Ahmed Khan	Intelligent Waste Sorting Bin for Recyclable Municipal Solid Waste	12:15 PM	12:30 PM	
5	174	Tithi, Aditi Roy*; Azrof, Sadman; Ali, Md. Firoj	Speed Bump & Pothole Detection with Single Shot MultiBox Detector Algorithm & Speed Control for Autonomous Vehicle	12:30 PM	12:45 PM	
6	294	Miazi, Zubair Azim*; Jahan, Shahriar; Niloy, Md. Abul	A Cloud-based App for Early Detection of Type II Diabetes with the Aid of Deep Learning	12:45 PM	1:00 PM	

		Kashem; Zaman, Rokn; Shama, Anika; Rahman, MD Zianur; Islam, Md. Robiul; Badal, Faisal ; Das, Sajal				Meeting ID: 682 4660 3763 Password: 447691
7	304	Chowdhury, Ahnaf Tahmid ; Muktadir, Md. Sifatul; Zakir, Md Ghulam*	SMARTGEIGER – DEVELOPMENT OF BACKGROUND RADIATION MONITORING WITH IOT BASED DEVICE	01:00 PM	01:15 PM	

**Time: 11:30 AM – 1:30 PM Session D2P3S5: Signal Processing, AI & Machine Learning - VII**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	99	Rahaman, Md Mizanur*; Haque, Mohammad Ariful	Bangla PDF Speaker : A Complete Computer Application to Convert Bangla PDF to Speech	11:30 AM	11:45 AM	<p>Session Chair: Prof. Dr. Mohammad Abu Yousuf, JU</p> <p>Session Co-Chair: Dr. M. Arifur Rahman, JU</p> <p>Convener: Sumaya Ishrat Moyeen</p> <p>Moderator: Iffat fahmida Swapnil Saha Kotha</p> <p>Meeting ID: 667 7681 9321 Password: 849915</p>
2	161	Rahaman, Tamanna*; Hossain, Md. Muktar; Mim, Fahmida Haque; Wahida, Farah	Privacy Preserving Publication of Educational Data	11:45 AM	12:00 PM	
3	172	Islam, Md. Robiul; Rahman, Md. Sazedur*; Sarkar, Anamica	Computer Vision Based Eye Gaze Controlled Virtual Keyboard for People with Quadriplegia	12:00 PM	12:15 PM	
4	178	Saha, Arnab*; Noor, Mirza Ifat; Fahim, Shahriar Rahman; Sarker, Subrata ; Badal, Faisal R.; Das, Sajal	An Approach to Extractive Bangla Question Answering Based On BERT-Bangla And BQuAD	12:15 PM	12:30 PM	
5	203	Mohiuddin , Ettilla*; Matin, Abdul	Multilevel Categorization of Bengali News Headlines using Bidirectional Gated Recurrent Unit	12:30 PM	12:45 PM	
6	210	Hussain, Md Gulzar*; Rahman, Mahmuda ; Sultana, Babe; Khatun, Ayesha ; Hasan, Sakib Al	Classification of Bangla Alphabets Phoneme based on Audio Features using MLPC &SVM	12:45 PM	1:00 PM	
7	222	Rupa, Ranak Jahan*; Sohana, Jannatul Ferdousi; Rahman, Moqsadur	Comparative Analysis of Bengali Stop Word Detection Using Different Approaches	01:00 PM	01:15 PM	

**Time: 11:30 AM – 1:30 PM Session D2P3S6: Machine Dynamics, Mechanics & Industry 4.0 - II**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	62	Md. Sabit Shahriar Haque ; M. Azizur Rahman	Studying The Effect Of Different Parameters On Stringing Issues In Additive Manufacturing By FDM	11:30 AM	11:45 AM	<p>Session Chair: Prof. Dr. Md. Emdadul Hoque, RUET</p> <p>Session Co-Chair: Prof. Dr. Md Rabiul Islam Sarker</p> <p>Convener: Md. Robiul Islam</p> <p>Moderator: Md. Hafizur Rahman Tanzim Nawshin Reza</p> <p>Meeting ID: 655 6497 2280 Password: 326739</p>
2	122	Saha Reno *; Shovan Bhowmik; Mamun Ahmed	Utilizing IPFS and Private Blockchain to Secure Forensic Information	11:45 AM	12:00 PM	
3	169	Rashid, Mohammad Harun-Or*	Performance Analysis of a Domestic Refrigerator Using R134a and R600a Refrigerant	12:00 PM	12:15 PM	
4	215	Md. Shamiul Islam; Md. Zahid Hasan	Determination of Starting & Running Torque and their effects on a Household Refrigerator Hermetic Reciprocating Compressor	12:15 PM	12:30 PM	
5	220	Md. Rashedul Kabir *; Md. Shahriar Kamal; Md. Zahidul Islam	An Improved Network Design of Open Loop Reverse Supply Chain	12:30 PM	12:45 PM	
6	332	Sourav Raxit*; Jobair Hossain Gourab; Hodayun Kabir	A Comprehensive Drug Management System by Segregating Spurious and Substandard Drugs Using Blockchain Technology	12:45 PM	1:00 PM	

**Time: 2:00 PM – 3:00 PM**

**Keynote Session # 07**

<b>Keynote Speaker</b>	<b>Keynote Speech Title</b>	<b>Meeting Info</b>
<p><b>Raad Raad</b> Associate Professor, University of Wollongong, Australia</p>	<p>5G and IoT from Space with Advanced Antennas for 5G Enabled Mega Constellations</p>	<p><b>Session Chair:</b> Prof. Dr. Masuma Akter, DUET</p> <p><b>Session Co-Chair:</b> Dr. Mohammad Hasan Imam, AIUB</p> <p><b>Convener:</b> Md. Mehedi Hasan</p> <p><b>Moderator:</b> Afifa Akter Md. Sameer Yamin</p> <p><b>Meeting ID: 69452977289</b> <b>Password: 1111</b></p>

**Time: 3:00 PM – 4:00 PM**

**Keynote Session # 08**

<b>Keynote Speaker</b>	<b>Keynote Speech Title</b>	<b>Meeting Info</b>
<p><b>Toshio Fukuda</b> Professor, Meijo University, Japan, and the Beijing Institute of Technology, China</p>	<p>Micro and Nano-robotic Manipulation and Applications</p>	<p><b>Session Chair:</b> Prof. Dr. Shaikh Anowarul Fattah, BUET</p> <p><b>Session Co-Chair:</b> Prof. Dr. Md. Kamal Hosain, RUET</p> <p><b>Convener:</b> Md. Firoj Ali</p> <p><b>Moderator:</b> SM Naimul Islam Amrita Agarwala</p> <p><b>Meeting ID: 638 6732 1224</b> <b>Password: 260505</b></p>

**Time: 4:00 PM – 5:00 PM**

**Keynote Session # 09**

<b>Keynote Speaker</b>	<b>Keynote Speech Title</b>	<b>Meeting Info</b>
<p><b>Celia Shahnaz</b> Professor, Bangladesh University of Engineering and Technology, Bangladesh</p>	<p>Automation for Disease Detection from 1-D and 2-D Biosignals based on Signal Processing and Deep Learning</p>	<p><b>Session Chair:</b> Prof. Dr. Md Rabiul Islam Sarker, RUET</p> <p><b>Session Co-Chair:</b> Dr. Manabendra Saha, UA, Australia</p> <p><b>Convener:</b> Zinat Tasneem</p> <p><b>Moderator:</b> Shorif UI Islam Shahorin Akter Shima</p>



Meeting ID: 619 4741 6412  
Password: 156564

### Parallel Technical Session # 04

Time: 5:00 PM – 6:30 PM

Session D2P4S1: Signal Processing, AI & Machine Learning - VIII

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	185	Alvi, Anik*; Ahmed, Minhajuddin; Hoque, S.N.M. Azizul	Consequences of Lockdown due to COVID-19 Outbreak on Air Quality in Dhaka	5:00 PM	5:15 PM	<p>Session Chair: Dr. Md. Ali Hossain, RUET</p> <p>Session Co-Chair: Dr. Md Saiful Islam, CUET</p> <p>Convener: Md. Hafiz Ahamed</p> <p>Moderator: Md. Mahfuz Rayhan Ahnaf Tanjid</p> <p>Meeting ID: 653 8123 3990 Password: 465095</p>
2	213	Hossain, Muhammad Yeamim*; Sayeed, Abul Barkat	A Comparative Study of Motor Imagery (MI) Detection in Electroencephalogram (EEG) Signals Using Different Classification Algorithms	5:15 PM	5:30 PM	
3	247	Faruk, Farukuzzaman *	RGU-Net: Residual Guided U-Net Architecture for Automated Segmentation of COVID-19 Anomalies Using CT Images	5:30 PM	5:45 PM	
4	308	Khan, Mohammad Badhrudouza; Saha, Pranto Soumik*; Roy, Amit Dutta	Automatic Segmentation and Shape, Texture-based Analysis of Glioma Using Fully Convolutional Network	5:45 PM	6:00 PM	
5	318	Asif, Nurul Amin; Sarker, Yeahia; Ahamed, Md. Hafiz; Fahim, Shahriar Rahman*; Das, Sajal	Classification of Hyperspectral Imagery Using Spectral-Spatial Residual Attention Network	6:00 PM	6:15 PM	

Time: 5:00 PM – 6:30 PM

Session D2P4S2: Signal Processing, AI & Machine Learning - IX

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	259	Ali, Asfak*; Ghosh, Avra; Sinha Chaudhuri, Sheli	DETERMINATION OF OPTIMUM DYNAMIC THRESHOLD FOR VISUAL OBJECT TRACKER	5:00 PM	5:15 PM	<p>Session Chair: Prof. Dr. Md Abdur Razzak, IUB</p> <p>Session Co-Chair: Dr. Md. Ezharul Islam, JU</p> <p>Convener: Md. Mehedi Hasan</p> <p>Moderator: Tanzim Nawshin Reza Sadia Tasneem</p> <p>Meeting ID: 66499027413 Password: 1111</p>
2	277	Al-Murad, Abdullah*; Hossain, Dr. Md. Foisal	An Integrated Feature Selection Method for Neural Network to Classify Ovarian Cancer	5:15 PM	5:30 PM	
3	283	Paul, Mahit Kumar*; Islam, Md. Rabiul	Effects of Normalization on Rotation Based Perturbation Techniques for Privacy Preservation	5:30 PM	5:45 PM	
4	291	Munna, Mahmud Hasan*; Hossen, Md. Shakhawat	Identification of Clickbait in Video Sharing Platforms	5:45 PM	6:00 PM	
5	314	Pranto, Atik Shahrirar; Paul, Mahit Kumar*	Performance Analysis of Ensemble Based Approaches to Mitigate Class Imbalance Problem After Applying Normalization	6:00 PM	6:15 PM	

Time: 5:00 PM – 6:30 PM

Session D2P4S3: Networking & Communication - I

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	40	Akter, Tanzila*; Jahan, Nusrat; Rahman, Mahfuja; Islam, AKM Nazrul	Performance analysis of a MIMO-STBC System in Presence of Rayleigh Fading Taking Noise as Parameter with Constant Gain	5:00 PM	5:15 PM	<p>Session Chair: Prof. Dr. Md. Shamim Anower, RUET</p>

2	69	Munni, Tasnova Nasrin*; Haider, Md Hossam-E	A Hybrid Method Based on SLM and Exponential Companding Technique to Reduce the Peak to Average Power Ratio (PAPR) in an OFDM System	5:15 PM	5:30 PM	<p>Session Co-Chair: Dr. Sudipta Das, IMPS</p> <p>Convener: Sumaya Ishrat Moyeen</p> <p>Moderator: Jalal uddin Md. Ishtiaque Tanzim</p> <p>Meeting ID: 671 7843 7832 Password: 328219</p>
3	116	Sultana, Rezwana Sultana*; Hossen, Tamim; Arifuzzaman, Md.; Sarkar, Md. Zahurul Islam Sarkar; Hossain, Dr. Md. Selim; Sarker, Dilip Kumar	Performance analysis of Correlated Ricean Fading MIMO Channel using Jakes Correlation Model	5:30 PM	5:45 PM	
4	152	Sarder, Md. Asif Ishrak*; Tajrian, Fehima ; Rafique, Moontasir; Anzum, Mariea S; Bin Shams, Abdullah	Configuring Antenna System to Enhance the Downlink Performance of High Velocity Users in 5G MU-MIMO Networks	5:45 PM	6:00 PM	
5	306	Hossein, Md. Tarek*; Ahmed, Nasim ; Hossain, Md. Selim	Performance Investigation of Acoustic Microphone Array Beamformer to Enhance the Speech Quality	6:00 PM	6:15 PM	

**Time: 5:00 PM – 6:30 PM**

**Session D2P4S4: Networking & Communication - II**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	66	Shimu, Sumaia*; Shawkat, M Tasnim Binte	A POLARIZATION SPLITTER USING DUAL CORE PHOTONIC CRYSTAL FIBER	5:00 PM	5:15 PM	<p>Session Chair: Prof. Dr. Md. Al Mamun, RUET</p> <p>Session Co-Chair: Dr. Md. Arafat Hossain, RUET</p> <p>Convener: Md. Robiul Islam</p> <p>Moderator: Roknuzzaman Shafqat Ahmed</p> <p>Meeting ID: 694 3370 6578 Password: 685092</p>
2	108	haque, Md Ashraful*; Paul, Liton Chandra ; Kumar , Subroto ; Azim, Rezaul ; Hossain, Md. Sarwar ; Zakariya, M Azman	A Plowing T-shaped Patch Antenna for WiFi and C Band Applications	5:15 PM	5:30 PM	
3	206	Roy, Puza*; Ghosh, Susmita; Zaman, Sejuti; Karim, Ebtidaul	Symmetric Wavelength Reused Bidirectional RSOA Based WDM-PON with NRZ Data in Downstream and Upstream	5:30 PM	5:45 PM	
4	229	Aktar, Mousumi*; Rana, Mir Masud; Hossain, Md. Sanwar	Compact Dual-Band PIFA Antenna With Various EBG Structure for ISM and C Band Applications	5:45 PM	6:00 PM	
5	271	Mamun, Md. Abdullah- Al-*; Datto, Sham; Billah, Md. Rashed	Inset Fed PBG Substrate with DGS Slotted Rectangular Microstrip Patch Antenna Design for C-Band Satellite Applications	6:00 PM	6:15 PM	

**Time: 5:00 PM – 6:30 PM**

**Session D2P4S5: Networking & Communication - III**

Sl. No	Paper ID	Authors Name	Paper Title	Start Time	End Time	Meeting Info
1	104	Salam, Taspia ; Hossen, Md. Sharif*	Performance Analysis on Homogeneous and Heterogeneous Routing Protocols in Wireless Sensor Networks	5:00 PM	5:15 PM	<p>Session Chair: Prof. Dr. Md. Anwar Hossain, BUBT</p> <p>Session Co-Chair: Prof. Dr. Md. Selim Hossain, RUET</p> <p>Convener: Md. Faisal Rahman Badal</p> <p>Moderator: SM Naimul Islam Shahariar Hossan</p>
2	119	Sejuti, Shamima Yasmin*; Hossain, Fahmida; Sultana, Rezwana; Arifuzzaman, Md.; Hossain, Tamim; Rifat, Mahmudul Hasan	Wireless Multicasting with Zero-Forcing Filtering	5:15 PM	5:30 PM	
3	177	Nadim, Md Taef Uddin *; Foyosal, Md.	Towards Autonomic Entropy Based Approach for DDoS Attack Detection and Mitigation Using Software Defined Networking	5:30 PM	5:45 PM	
4	297	Azad, Khan Mohammad Shayshab*; Hossain, Nayon; Islam, Md. Jahidul; Rahman, Anichur; Kabir, Sumaiya	Preventive Determination and Avoidance of DDoS Attack with SDN over the IoT Networks	5:45 PM	6:00 PM	

5	312	Mimi, Mousumi Ahmed; Elahi, Mohammad Mamun*	A Stable Clustering Architecture for Efficient Routing in Vehicular Ad Hoc Networks	6:00 PM	6:15 PM	Meeting ID: 618 7375 6054 Password: 495559
6	329	Al Masrur, Md Abdullah *; Badrudduza, A. S. M. ; Hossen, Md. Shakhawat; Kundu, Milton Kumar; Sarkar, Md. Zahurul Islam Sarkar	Multicasting over Fisher Snedecor F Fading Channel: A Physical Layer Security Analysis	6:15 PM	6:30 PM	

**Time: 6:30 PM – 7:30 PM**

### Keynote Session # 10

Keynote Speaker	Keynote Speech Title	Meeting Info
<p><b>Mariofanna Milanova</b> Professor, University of Arkansas at Little Rock, USA</p>	<p>Visual Intelligence and Deep Learning models: What we can learn from hierarchies in the primate's Visual Cortex?</p>	<p>Session Chair: Dr. Md. Helal An Nahiyen, KUET</p> <p>Session Co-Chair: Dr. Soumi Dutta, IEM</p> <p>Convener: Dip Kumar Saha</p> <p>Moderator: Erphan Ahmmad Bhuiyan Labanya Talukder</p> <p>Meeting ID: 628 0529 6554 Password: 373134</p>

**Time: 7:30 PM – 9:00 PM**

### Closing Ceremony

Time	Program	Meeting Info
7:30 PM	Introduction of the Conference Chair and Invited Guests	<p>Convener: Zinat Tasneem</p> <p>Moderator: Erphan Ahmmad Bhuiyan Md. Hafizur Rahman</p> <p>Meeting ID: 612 1004 5880 Password: 950099</p>
7:32 PM	Recitation from the Holy Quran	
7:36 PM	Recitation from the Holy Gita	
7:40 PM	Address by the Technical Chair, ACMI 2021	
7:50 PM	Address by the Sponsors & Delegates	
8:00 PM	Address by the Special Guests	
8:30 PM	Address by the Conference General Chair	
8:40 PM	Address by the Chief Guest	
8:50 PM	Address by the Chair and Closing of ACMI 2021	