12th IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2026 (IEEE WIECON-ECE 2026)

30–31 October 2026 · Hybrid · Southeast University, Dhaka, Bangladesh

ONLINE ACCESS
ZOOM

PLENARY

Inaugural & Keynote Sessions – Online Access

ONLINE

DAY 1	DAY 2	VENUE (PHYSICAL)
Friday, 30 October 2026	Saturday, 31 October 2026	Multipurpose Hall, 9th Floor

SESSION	ZOOM LINK	MEETING ID & PASSCODE
All the Keynote Sessions at Day1	Click Here to Join (Zoom) https://us06web.zoom.us/j/82290359616?pwd=bclunfThYowexOwgTaWtHlEhJ4BJwF.1	ID: 822 9035 9616 · Passcode: WCONECE26
All the Keynote Sessions at Day2	Click Here to Join (Zoom) https://us06web.zoom.us/j/83127042149?pwd=hJDrewROfyVy2GpoBMNB6kaeCau1yg.1	ID: 831 2704 2149 · Passcode: WCONECE26
Inaugural Session	Click Here to Join (Zoom) https://us06web.zoom.us/j/82290359616?pwd=bclunfThYowexOwgTaWtHlEhJ4BJwF.1	ID: 822 9035 9616 · Passcode: WCONECE26

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TECH SESSION
TS 1

SAPD
Smart Agriculture & Plant Disease Detection

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	8:45 AM – 10:30 AM	SEU-533 (5th Floor)	Dr. Md. Golam Rashed Dr. Shaheena Sultana

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
213	**Cross-Domain Wheat Head Detection and Counting Using YOLOv8 and YOLO26: An Accuracy– Efficiency Study on GWHD 2021** Shawna Akter, Mahfuz Uddin Ahmed, Moin Uddin Ahmed, Rafid Bin Taher, K. M. Safin Kamal	Shawna Akter
503	**An Explainable ConvNeXt-Tiny Framework with Reliability Analysis for Crop-Specific Leaf Condition Classification** Munaiba Raisa, Md Abdul Masud, Sadia Zannat Reem, Mahmudul Hasan Apu, Tanvir Islam Robin	Munaiba Ferdous Raisa
570	**HybridViT-CNN: A Dual-Branch Vision Transformer and CNN Framework for Sugarcane Leaf Disease Classification** Md.Abu Raihan, Sadia Bristi, Syed Muntasin Fayaz, F M Javed Mehedi Shamrat, Ishrat Zahan Raka, Md. Asraf Ali	Md.Abu Raihan
105	**A Literature-Guided Machine Learning Framework for Intelligent Hydroponic Plant Recommendation Using IoT Environmental Data** MD IFTAKHAR AHSAN JARIF, NAHIAN AKBER CHOWDHURY, TANZIL AHMED RAHIN, MST. NAZMUNNAHAR NAFIYA, Md Sajid Hossain	TANZIL AHMED RAHIN

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TECH SESSION
TS 2

CRPM

Clinical Risk Prediction & Explainable Medical ML - I

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	8:45 AM – 10:30 AM	SEU-535 (5th Floor)	Dr. Kazi Newaj Faisal Dr. Selina Sharmin

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
27	**Machine Learning for Coronary Heart Disease and Myocardial Infarction Prediction: A Calibrated Temporal Generalization Study Using BRFSS 2015–2024** Saem Mohammad Nirob, Rumana Islam Riya, Eshita Islam Keya, Md. Abir Hossain Mahin, Mohammed Islam	Saem Mohammad Nirob
48	**When Clustering Discovers a Signal but Not a Predictor: A Methodological Audit of Latent Survival Subgroups in Breast Cancer** Md. Shakil Ahmed, Abdul Hasib, Arjina Nasrin Khan, Nasif Shahriar Alif, Suvra Mazumdar, Mahbuba Sultana Sohana	Abdul Hasib
129	**Explainable Thalassemia Subtyping: Detecting Label Circularity in Bangladeshi Hematological Data** Intisar Jaman Chowdhoury, Umme Fahmida Sultana, Tamim Hasan Apurbo, Md. Mortuza Ahmmed	Intisar Jaman Chowdhoury
196	**Explainable Soft-Voting Ensemble Framework for Multiclass Maternal Health Risk Prediction** Md. Sharfuddin, Fahad Ahmed, Md. Shakil, Md Sabbir Hossain Siam, Afroja Akter Mim, Taiba Jahan Pusmita	Md Shakil
323	**TabSymNN: An Explainable Transformer with Symmetry Regularization for Asthma Classification** Safayet Ullah, Azizul Hakim Omor, Hussain Al Naeem, Shimul Dey Katha	Azizul Hakim Omor
178	**FedXplain-Dia: A Privacy-Aware Non-IID Federated Hybrid Framework with Explainable and Responsible AI for Diabetes Risk Prediction** Raisa Islam Fariha, Lipa Akter, Amit Hasan Sikder, Shekh Imtiyaz, Sumya Akter	Raisa Islam Fariha

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TECH SESSION
TS 3

OCPN
Optical Communications & Photonic Networks

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	8:45 AM – 10:30 AM	SEU-536 (5th Floor)	Dr. Monjur Morshed Dr. Sujan Chandra Roy

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
69	**Assessment of a 4-Channel WDM-MIMO Free-Space Optical Communication System Under Dhaka City's Climatic Conditions** Muhammad Rahman, Homeyra Akter, MD Shajalal, R.Z Rokon, Md.Mahmudul Alam Chowdhury, MD Ifat Hossain Hemal	Muhammad Towfiqur Rahman
183	**Effect of Different Water Types on the Performance of Wavelength Division Multiplexing System over Underwater Wireless Optical Link** Maitri Chowdhury Achal, Md. Jahedul Islam	Maitri Chowdhury Achal
367	**Impairment Analysis and Dispersion Compensation of a 10-Gb/s Point-to-Point Optical Fiber Link** Amir Khosru Talha, Md. Mostafa Goni, Abid Shahriyar, Farzana Momtaz Mithila, Zahida Rahman, Mr. Rakayet Rafi	Md. Mostafa Goni
389	**Cross-Layer Performance Analysis of a Hybrid WDM/TDM-GPON Model for Dhaka City Fiber Broadband Network** Muhammad Rahman, Aunjolee Nusrath Anu, Dalila Binte Alam, Adika Sultana	Muhammad Towfiqur Rahman
391	**Capturing the Nonlinearity Transition: Explainable ML-Based OSNR Prediction Across DWDM Channel Densities** Ashikul Amin, Khondoker Sumaiya Mahmood, Md Ahnab Hossain, Md. Ashiqur Rahman Anik, Saif Iqbal, Hridi Juberi	Khondoker Sumaiya Mahmood

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TECH SESSION
TS 4

SCMD
Solar Cells, Semiconductor Materials & Device Simulation

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	8:45 AM – 10:30 AM	SEU-509 (5th Floor)	Dr. Tama Fouzder Dr. Md. Selim Hossain

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
278	**Electrical Simulation of a Typical CIGS-Based Photovoltaic Cell With Distinct Window Layer Materials** RUBAYAT CHOWDHURY	RUBAYAT CHOWDHURY
357	**Data-Driven Design and Performance Optimization of ZnSnP2-Based Thin-Film Solar Cells Using SCAPS-1D and Machine Learning** Md. Al Amin, Md. Sanwar Hossain, Md. Farhad Hossain, Abdur Rahman, Md. Mehedi Hasan, Urmila Deb Roy, MD Maruf Hossan, Md. Tarekul Islam, Sheikh Rashel Al Ahmed	Md. Mehedi Hasan
359	**Interface and Defect Engineering of Transport Layers for Enhanced CNTS Thin-Film Photovoltaic Performance** Md. Sanwar Hossain, Md. Al Amin, Md. Mehedi Hasan, Mst. Munni Khatun, MD Maruf Hossan, Most. Marzia Khatun, Sheikh Rashel Al Ahmed	Md. Mehedi Hasan
571	**Investigation of Electron Transport Layer Effects on the Performance of NiO-Based Solid-State Dye-Sensitized Solar Cells** Rubayet Jesmin Achal, Dr Md Faruk Hossain	Rubayet Jesmin Achal
137	**Pressure-Induced Bandgap Engineering and Ductile Transition in Lead-Free Cs_2GeCl_6 for Flexible Optoelectronics** S. M. Tanvir Rifat, Md. Jubayer Hasan, Dr Sumaiya Kabir	S. M. Tanvir Rifat

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TECH SESSION
TS 5

PEPD
Power Electronics, Power Systems & Nano-Devices

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	8:45 AM – 10:30 AM	SEU-510 (5th Floor)	Dr. Engr. Muhibul Haque Bhuyan Dr. Mohammed Ashikur Rahman

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
284	**Thyristor-Controlled Inverter Topologies for Industrial Motor Drives: A Comparative Review of Efficiency, Device Stress, and Control Complexity** Md. Yeahyea Hassan Siddique, Zarir Redwan Adib, Sanjana Rahman Aurna, Mahir Labib, Tanjila Akter Simi, Adipta Shaha	Adipta Shaha
292	**Voltage Collapse Mechanisms and Grid Resilience: Lessons from Bangladesh and the Iberian Blackout** Ashraful Arefin, Shahana Akter, Mayesha Farjana Haque	Ashraful Arefin
546	**A Three-Stage Hybrid MPPT Algorithm for PV Boost Converters: PGDS-DRAINC-ATC** Joyeeta Paul, Tahmidul Mahir, Tama Fouzder, Anjan Kumar Bagchi, Sidrat Muntaha Nur Pranto	Joyeeta Paul
148	**Evolution of CMOS Scaling from Planar MOSFETs to GAAFETs: A Comparative Review of Constant Electric Field Scaling and Constant Voltage Scaling Across Technology Generations** Salehin Sadek Ayion, Jannatul Ferdous, Md. Nehal Hassan, Sumaiya Israt Ekra Mony, Punam Saha, Umama Abtez Sheraboni, Farzana Alam	Salehin Sadek Ayion
375	**Machine Learning-Based Prediction of Process Variation Effects in Gate-All-Around Tunnel Field-Effect Transistors** Md. Sabbir Hossain, Pritom Biswas Prince, Md. Tanvir Hasan, Dr Sumaiya Kabir	Pritom Biswas

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TECH SESSION
TS 6

BNMI

Brain MRI & Neuro-Imaging with Deep Learning

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	SEU-533 (5th Floor)	Dr. Habiba Sultana Dr. Mirza A F M Rashidul Hasan

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
78	**BaT-SAM: Introducing Inductive Bias into SAM via a Mixture of Convolutional Experts for Brain Tumor Segmentation** Sumiaya Jannat, Md Mahedi Hasan, Md Shamimul Islam, Md Nur Hossain	Md Nur Hossain
141	**Deep Learning for Early Alzheimer's Detection: Advancing Diagnosis with AI-Powered Models** Fahim Nahar Shaily, Sharmin Akter, Maisha Zaman Khan, Mohammad Rayeed Hasan, Tasfia Anika Bushra, Dewan Ziaul Karim	Fahim Nahar Shaily
215	**Alzheimer's Disease Detection using Explainable DenseNet121 Model through Cross-Modal Fusion** Maksuda Akter, Tirthadip Dhali, Md. Mehedi Hasan Tonmoy, Lasker Ershad Ali	Maksuda Akter
377	**Multi-Task Deep Learning for Simultaneous Brain Tumor Classification and Segmentation: A Comparative Pilot Study of U-Net, FPN, and DeepLabV3+** Sakib Sakib, Nusrat Jahan Liza, Md. Saifuddin Naim, Aliva Tasnim Oshin, Anik Shanto	Sakib
579	**A Leakage-Controlled Pipeline for Multi-Class Alzheimer's Staging with MARU-Net Hippocampal Segmentation** Tanjila Broti, Muhammad Nazrul Islam	Tanjila Broti
593	**Focal Cortical Dysplasia Type II Classification from Brain MRI: A HybridViT Approach** Shreya Sarker, Sifat Khan, Amit Dutta Roy	Shreya Sarker
89	**Analysis of Domain Shift and Probability-Level Late Fusion in CNN-Based Pumpkin Leaf Disease Classification** Pulak Nath, Montakir Emtiaz Ahmed Rafid, Foujia Afrose Tanha, Payel Debnath, Dr. Arif Mahmud, Dr. Fizar Ahmed	Pulak Deb Nath

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TECH SESSION
TS 7

MIOD

Medical Imaging: Ophthalmic, Dental, ENT & Wound Care

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	SEU-535 (5th Floor)	Dr. Md Moznuzzaman Dr. Md. Golam Rashed

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
172	**DentaCBAM-Net: A CBAM-Enhanced DenseNet Architecture for Explainable Multi-Class Dental Radiograph Classification** Shahriar Marjan, MD TAZRIAN ALAM, S M Shah Nawaz, Audity Rani Paul, Mr. Md Assaduzzaman, Dr. Arif Mahmud	Shahriar Marjan
604	**A Technical Benchmark for Condition-Associated Dental Object Segmentation in Bangladeshi Panoramic Radiographs** Tofayet Sultan, Md. Parvej Mia, Abdulla Al Ehsan, Sajid Hasan Mahir, ABHIJIT BHOWMIK, Nusrat Jahan, Sufian Md. Waliullah	MD PARVEJ MIA
578	**Automated Retinal Boundary Detection and Fluid Severity Classification in OCT Image of CSCR Patients** Nadiar Akter Jui, Sheikh Md. Rabiul Islam, Md. Asif Hasan, Md. Arif Hayat Khan Pathan	Nadira Akter Jui
518	**OrdinalFed: Federated Learning with Ordinal-Aware Aggregation for Diabetic Retinopathy Grading** Md Tamim Hossain, Najifa Raksanda, M. M.Tamim Sharif, Aria Nawshin Ashka	Md Tamim Hossain
249	**Leakage-Aware Five-Class Otoscopic Image Classification Using ROI-Guided Deep and Handcrafted Features** Nur Hossain Mahruf, ASIF ELAHI, Raihan Kabir, Mithila Akter, Md Abdul Based, Muhtasim Rahman	Asif Elahi
365	**DFU-ImageGuard: An Explainable and Reliability-Validated Framework for Diabetic Foot Ulcer Image Classification** Azizul HaKim Omor, Al- Amain, Sushmita Jinnuraien, Prof. Dr. Abdul Kadar Muhammad Masum	Azizul HaKim Omor Department of CSE Southeast University Dhaka, Bangladesh azizulhakimomor@gmail.com

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TECH SESSION
TS 8

BNLP

Bangla NLP, Language Models & LLM Safety

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	SEU-536 (5th Floor)	Dr. Md. Tofael Ahmed Dr. Md. Abdulla Al Mamun

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
232	**An Explainable Aspect-Aware Recommendation Pipeline for Noisy Bengali E-Commerce Reviews** Israt Jahan Papri, Md. Forhad Hossain, Dr. Md Abdul Masud	Israt Jahan papri
309	**Context Aware Analysis of Feminist Advocacy and Misogyny in Bengali Social Media Using NLP** Abrar Rakin, Md Istiak Ahamed, Md. Samiul Alom, Tania Akter, Rukaiyah Taha	Abrar Rakin
387	**Cross-Lingual Consistency and Uncertainty-Aware Learning for Noise-Robust Bangla Sentiment Classification** Tasmin Akther Tasu, Samia Afroze Shimla, Famid Rabbi, Anika Tahsin, Fariha Mahjabin Roza, Tawfiqul Hasan, Sultanul Arifeen Hamim, M. Firoz Mridha	FAMID RABBI
551	**A Contextual-Lexical Stacking Ensemble and Attention-Guided Framework for Bengali CV Parsing and Classification** Farhan Hassin, Mushfiqur Rahman Salin, Mithila Farzana, Abrar Rakin, Ishtiak Al Mamoon	Farhan Hassin
163	**Learning to Say Less: ASSP — Target-Sequence Compression via Adaptive Stochastic Semantic Pruning for Efficient Image Captioning** MD Rasheduzzaman Akash, Aminur Rahman, Zaima Sartaj Taheri, Muhammad Ibrahim Khan	Md Rasheduzzaman
457	**A Content-Ingestion Gate for Prompt Injection Detection in LLM Agents** Fyaz Nafin Rahman, Khan Salman, Md Rezaul Karim Khan, Madhusodan Chakraborty, Jannatul Ferdous Shorna, Md Mizanur Rahman	Md Mizanur Rahman
577	**A Leakage-Aware and Explainable Hybrid Framework for Bangla Fake News Detection Using SVM and BanglaBERT** Shifat Setu, Ruman Hossain, Md. Fahim Imran, Mohibullah Nayan, Anika Akter, Md. Muksit Ul Islam	Ruman

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TECH SESSION
TS 9

REPS
Renewable Energy, PV Systems & Grid Resilience

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	SEU-509 (5th Floor)	Dr. Khadiza Akter Dr. Engr. Muhibul Haque Bhuyan

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
256	**PhyResNet: Solar–Wind Forecasting for Green Hydrogen Assessment in Bangladesh** Fatema Khatun, Roni Khan, Promit Sikder, Lamyeea Nirjhor, MD Nayem	Lamyeea Nirjhor
285	**From Cell to Grid: A Cross-Scale Review of Solar Photovoltaic Technology, Reliability, and Power Electronics in the Emerging Firm-LCOE Era** Md. Yeahyea Hassan Siddique, Adipta Shaha, Mahir Labib, Zarzis Ahmed, Sanjana Rahman Aurna, Sanzana Islam	Mahir Labib
349	**Reliability Shortfalls in TMY-Sized Islanded PV-Battery Systems Under Multiyear Historical Replay** S M Shaif Mahamud Shemon, Nirob Hossain, Tama Fouzder, Muhammad Moshiur Rahman Tarafder	S M Shaif Mahamud Shemon
354	**Feasibility Study of a Hybrid Agrivoltaic-Grid-Battery Connected EV Charging System in the Rural Area of Bangladesh** Md. Ali Hasan, Nur Mohammad, Nahid Akhter Jahan	Md. Ali Hasan
474	**Irradiance Dataset Choice Outweighs Model Detail in Divisional PV Yield Ranking for Bangladesh** Hasibur Rahman, Md. Zahid Hasan Jamy, Abdullah Saikat, Salim Ahmed Badol, Mst. Sumiya Azad Konok, Bashudeb Sarkar, Tanzila Arobi, Md. Tashin Rahman, MD. Zahidul Islam	Salim Ahmed Badol
600	**Power System Stability in Renewable Dominant Grids: Challenges, Classification, and Mitigation Strategies - A Review** Kazi Ahmad Sakib, Md. Ashraful Kabir Fahad, Mashiat Rana Prokrity, Md. Saiful Islam	Md. Ashraful Kabir Fahad

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TECH SESSION
TS 10

ISHC
IoT, Smart Systems, Robotics & HCI

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	SEU-510 (5th Floor)	Dr. Md. Arshad Ali Dr. Kazi Newaj Faisal

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
465	**Characterization and Process-Capability Analysis of a Low-Cost Indoor Delivery Robot** Hasibur Rahman, Md. Hedaytul Alom, Syeda Fahmida Rahman, Md. Shakib Sheikh, Md. Uzzal Hossain, Md. Adnan Hossain	Md. Hedaytul Alom
20	**An Explainable and Leakage-Aware Machine Learning Framework for Electric Vehicle Charging Behavior and Grid Stress Assessment** MD IFTAKHAR AHSAN JARIF, MD. TANVIR KHAN, AFRENA HAQUE RIDI, RIFAT BIN ASHRAF, MD FATEH AREFIN TONMOY, MD SHAHAREAR NADIM	MD TANVIR KHAN
413	**Forecast-Aware Adaptive Hybrid-Cloud Task Orchestration for Smart Grids with Explainable Load Forecasting** Samiul Al Zami Alif, Ali Ashraf Molla, Khadiza Akter	Samiul Al Zami Alif
240	**SHODESH: A Transparent and Accountable Platform for Humanitarian Aid** Ashfia Tabassum, Nanjiba Ibnat Farazi, Savera Bhuiyan, AKM Zawadur Rafid	Ashfia Tabassum
182	**Elderly Medicine Reminder (Oushodh Sathi): An HCI-Informed Persuasive Medication Support System for Bengali-Speaking Older Adults** Shanta Islam, Sumaiah Binta Musa, Humayra Hassan Heya, Nazmul Hasan	Shanta Islam
173	**QBridge-S2G: Accessible, Offline Quantum-Control Education Through Signal-to-Gate Visualisation** Naheel Raza Rizvi, Fatima Haider, Syed Maaz Rizvi, Meraj Ahmad, Benjamin Lienhard, Atif Raza Jafri	Naheel Raza Rizvi

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TECH SESSION
TS 11

EEGV

EEG & Voice Biosignal Analysis

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	SEU-533 (5th Floor)	Dr. Muhammed Jamshed Alam Patwary Dr. Mirza A F M Rashidul Hasan

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
25	**An Explainable EEG Emotion Recognition Framework Using Region-Wise Hybrid Spectral–Entropy Feature Fusion** Rabita Hasan, A.B.M. Aowlad Hossain	Rabita Hasan
268	**Explainable Hybrid Deep Learning Framework for Robust EEG-Based Emotion Recognition** Md. Ibrahim Hossain, Md.Abu Raihan, Most.Nawshin Akter Neaha, Rashiduzzaman Shakil, F M Javed Mehedi Shamrat, Md. Asraf Ali	Md. Ibrahim Hossain
469	**NeuroStack-XAI: An Explainable Stacking Ensemble for Four-Class EEG Seizure Classification Using the BEED Dataset** Afia Muntakim, Saurav Chandra Das, Abidul Islam Alif, Muhammad Usama Islam, Mohammad Mobarak Hossain	Afia Muntakim
542	**Dual-Branch Hemispheric Learning for EEG-Based Autism Detection** Zahrul Jannat Peya, M. A. H. Akhand, Dr Sk Masiur Rahman, Sk Imran Hossain, Nazmul Siddique	Dr. Md. Aminul Haque Akhand
144	**SE-MFCC-Net: A Squeeze-and-Excitation Convolutional Network for Interpretable and Well-Calibrated Voice Pathology Classification** Anay Kumer Ghosh, Ferdaus Anam Jibon, Raufu Umme Rhidi, Esrat Nourin, Utpal Kanti Das	Raufu Umme Rhidi
274	**PDFormer: An Attention-Based Transformer Framework for Parkinson's Disease Detection Using Audio Signals** Md.Mahir Alom Sanjid, Brinto Paul, Sumaiya Kabir, Mohammod Abdul Motin	Md. Mahir Alom Sanjid

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TECH SESSION
TS 12

MITG

Medical Imaging: Thoracic, GI, Surgical & Microscopic

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	SEU-535 (5th Floor)	Dr. Md. Selim Hossain Dr. Selina Sharmin

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
511	**Beyond AUROC: Evaluating Reliability of Pneumonia Classification Under Clinical Distribution Shift** Maruf Hasan Shuvo, Noshin Samiha Shormi, Mst. Sumaiya Aktar Srabony, Md. Shameem Sadat, Shohely Muntaha Drishty, Md. Mazharul Islam	Maruf Hasan Shuvo
555	**DWT-ConvNeXt: An Explainable Gated Spatial-Frequency Network for Lung CT Classification with Cross-Institutional Validation** Md. Imtiaz, Fardia Firoz, A. B. M. S. U. Doulah	Md. Nafees Imtiaz
438	**MambaPolyp-Net: Four-Directional State Space Modeling for Efficient Gastrointestinal Polyp Segmentation** Erin Jahan Tufa, Susmoy Biswas, Abu Kowshir Bitto, Cynthia I. Teran Valadez, Md Rajib Mia, Md Tanvir Alam Sifat	Abu Kowshir Bitto
461	**Enhancing Surgical Vision: Smoke-Aware Image Translation for Laparoscopic Desmoking** Koushik Ahamed, Mostakem Mia, Md. Siam Khan, Md Atikuzzaman	Koushik Ahamed
541	**Learning Blood Cell Morphology from Limited Annotations Using an EfficientNetB0–MixMatch Framework** Samiha Muntaha Mahin, Tahmina Hasan, Md Samiul Alom, Zarin Tasneem, Nazmul Hasan Shouvo	Md Samiul Alom
545	**SE-MobileNet-SimCLR: An Efficient Contrastive Self-Supervised Framework for Microscopic Biomedical Image Classification** Tahmina Hasan, Samiha Muntaha Mahin, Md Samiul Alom, Umme Mumtahina, MD Zahid Hasan	Md Samiul Alom

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TECH SESSION
TS 13

CSMD
Cybersecurity, Malware & Intrusion Detection

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	SEU-536 (5th Floor)	Dr. Md. Arshad Ali Dr. Md. Abdulla Al Mamun

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
332	**Consensus Feature Selection with Bootstrap SHAP Ranking Analysis for Machine Learning-Based Phishing Website Detection** Md. Tazuare Rahman Rahad, Abdullah Al Noman, S M Khaled Hasan Prince, Rimtaha Saima Nushin, Sifat Rahman Ahona	Md. Tazuare Rahman Rahad
433	**Real-Time Malware Detection Through Fast Statistical Screening and LLM-Based Reasoning** Khan Salman, Dhiman Kumar Sarker, Md Rezaul Karim Khan, Nur A Shawal Siddique, Jannatul Ferdous Shorna, Md Mizanur Rahman	Mizanur Rahman
435	**When Does Retrieval-Augmented Generation Help Malware Detection?** Abdur Rahman Sarker, Tanvir Ahmed, Md Anamul Haque, Md. Saiduzzaman, Nusrat Jahan, Md Mizanur Rahman	Mizanur Rahman
446	**HERALD: A Hybrid Explainable Rule-Augmented LLM Framework for Windows Malware Detection** Dhiman Kumar Sarker, Tanvir Zobair Mahboob, Madhusodan Chakraborty, Md Rezaul Karim Khan, Tanvir Ahmed, Md Mizanur Rahman	Mizanur Rahman
493	**Leakage-Resistant Phishing URL Detection: Feature Engineering, Unsupervised Analysis, and Domain-Grouped Classifier Evaluation** Umme Habiba Moushi, Takia Labiba Razna, Ahmed Abdal Shafi Rasel	Umme Habiba Moushi
601	**Explainable Hybrid Deep Learning Framework for Cross-Domain Intrusion Detection System** Nazmul Haque, Md. Sazed Ul Karim, Ferdous Ahmed, Kaniz Mashruhra Nusrat, Jobair Ahammed Tusher	Jobair Ahammed Tusher
401	**Explainable Hybrid Attention Fusion Network for Multi-Class DDoS Attack Classification** Mamunur Rashid Alex, Fabiha Tazri Okita, Jannatul Ferdous, Md. Maruf Hassan	Mamunur Rashid Alex

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TECH SESSION
TS 14

HIPH
Health Informatics & Public Health Analytics - II

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	SEU-509 (5th Floor)	Dr. Shaheena Sultana Dr. Habiba Sultana

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
345	**CesaGuard Shortcut-Audited Explainable Conformal Ensemble Learning for Reliable Cesarean Section Risk Stratification** Samia Afroze Shimla, Tasmin Akther Tasu, Famid Rabbi, MD.RAFIUL ISLAM, Anika Tahsin, Tawfiqul Hasan, Sultanul Arifeen Hamim, M. Firoz Mridha	Samia Afroze Simla
116	**From Silence to Surge: Modeling Zero-Inflated Dengue Outbreaks in Bangladesh** Md. Maruf Bangabashi, Md. Mostafijur Rahman, Jihadul Islam Rifat, Jhoton chandra nath, Nusrat Sorna, Most Jannatun Ferdous jim	Nusrat Sorna
408	**Optimized Ensemble Machine Learning for Explainable Mental Health Severity Prediction** Israt Jahan, Nusrat Jahan, Tasfia Afrin Faria, Shampa Akter, Rikha Akther	Tasfia Afrin Faria
498	**Temporal and Explainable Machine Learning for Lung Cancer Survival Prediction Using SEER Data** Saem Mohammad Nirob, Rumana Islam Riya, Md Yusuf Hossain Ador, Abu Sayeed Md. Ripon Rouf	Rumana Islam Riya
164	**A Unified Hybrid Attention-Based Ensemble Deep Learning Framework for Multi-Class Kidney Disease Classification Using Computed Tomography Images** Sohanur Rahman Khan, Kaniz Mahbuba Priya, Tasfia Anika Bushra, Dewan Ziaul Karim	Sohanur Rahman Khan
440	**Validation-Regime Audit Reveals Source-Region Shift in Internal Dosimetry S-Value Estimation** Mustofa Khalid Ovi, Md Salman Shamil, Mst. Ummey Habiba Musfika, Md. Minhaz Uddin, Md Kamrul Hasan Nayem, Afrin Nur, Hasnat M. Alamgir	AFRIN NUR
434	**Anatomy-Physics OpenDose S-Value Surrogacy with Uncertainty-Gated Reliability Triage** Mustofa Khalid Ovi, Md Salman Shamil, Mst. Ummey Habiba Musfika, Md. Minhaz Uddin, Md Kamrul Hasan Nayem, Afrin Nur, Hasnat M. Alamgir	AFRIN NUR

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TECH SESSION
TS 15

BICB
Bioinformatics & Computational Biology

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	SEU-510 (5th Floor)	Dr. Md Moznuzzaman Dr. Khadiza Akter

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
238	**Rethinking Model Complexity and Explainability in MALDI-TOF Antimicrobial Resistance Prediction** Mridula Mozid, Samiul Hossen	Mridula Mozid
417	**ProteinFlow: Fast Non-Autoregressive Continuous-Time Flow-Matching for Structure-Conditioned Protein Sequence Design in Therapeutic and Enzyme Engineering** Md. Rakibul Hasan Nishat, Md. Shakil Ahmed, Abdul Hasib, Nasif Shahriar Alif, Arjina Nasrin Khan, Saurav Chandra Das	Md. Rakibul Hasan Nishat
426	**Zero-Shot and Fine-Tuned Biomedical Language Models for Antimicrobial Resistance Gene Prediction** Prothoma Khan Chowdhury, Md Mizanur Rahman, Ms. Rokeya Khatun, Montaser Abdul Quader, Afsana Khan, Masud Mohiuddin, Nur Mohammad, Nazib Abdun Nasir, Md Tanzim Reza	Nur Mohammad
456	**Explainable DNA Sequence Classification Using Nucleotide Transformers** Nur Mohammad, Md Tanvir Rahman Khan, Muhammad Asad, Md. Sabbir Hosen Mamun, Mr. Mozdaher Abdul Quader, Md Mizanur Rahman	Nur Mohammad
603	**Leakage-Aware and Physics-Informed Prediction of Bacterial Motility Transitions from Simulation to Experiment** MD IFTAKHAR AHSAN JARIF, SUMAIYA JAHAN PUSHPITA, HUMAIRA ANJUM HRIDI, SHAHID HASSAN RIFAT, SHANJIDA AKTER, Md Sajid Hossain	Sumyah Jahan Pushpita
260	**Regime-Dependent Performance Analysis of Fractional Physics-Informed Neural Networks for Reaction–Diffusion Drug Delivery Systems** Mohammad Farhad Bulbul, Syed Azmul Hasan, Mowmita Parvin Hera, Afroza Lona Mim, Hazrat Ali	Mohammad Farhad Bulbul

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TECH SESSION
TS 16

ECSS
ECG, Sleep & Stress Monitoring Systems

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Saturday, 31 October 2026	8:45 AM – 10:30 AM	SEU-533 (5th Floor)	Dr. Monjur Morshed Dr. Md. Abdulla Al Mamun

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
111	**A CNN-CycleGAN-based Approach for End-to-End Fetal Arrhythmia Detection** Maharunnesah Esha, Mohiuddin Ahmad, Jeesun Patra Papon	Maharunnesah Esha
344	**Controlled Robust Routing for Multi-Label Tele-ECG Triage Reliability under Acquisition Shift** Mustofa Khalid Ovi, Mst. Ummey Habiba Musfika, Md Salman Shamil, Md. Minhaz Uddin, Afrin Nur, Hasnat M. Alamgir	AFRIN NUR
528	**ECGFormerNet: A Multimodal Attention Based Conformer Network For Sleep Apnea Detection** S.M. Mahsumul Alam, Sumaiya Kabir, Mohammod Abdul Motin	S. M. Mahsumul Alam
384	**Sleep Disorder Prediction Using Lifestyle and Health Indicators: A Confidence-Aware Context-Gated Multi-View Expert Fusion Approach** Md. Mehedi Hasan, Shuvojit Majumder, Md Riyadul Hasan, Asrat Jahan Mohua, Souvik Sen, Fizar Ahmed	Shuvojit Majumder
185	**Comparative Analysis of Binary, Tri-Class and Quad-Class Classification for Physiological Stress Recognition** Tanvir Islam Riyad, Arana Das, Tasmia Hassan Saika, Md Sazzad Hissain Khan	Tanvir Islam Riyad
154	**Proshash: An Outage-Resilient ESP32 and Raspberry Pi Edge Cloud Architecture for Nebulizer Therapy Management in Low-Connectivity Clinics** Md. Mehedi Hasan, Maria Rashid, Mahfujur Rahman, Maria Rahman Momo, Fizar Ahmed	Md. Mehedi Hasan

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TECH SESSION
TS 17

CVPR
Computer Vision & Pattern Recognition

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Saturday, 31 October 2026	8:45 AM – 10:30 AM	SEU-535 (5th Floor)	Dr. Md. Golam Rashed Dr. Mahjabin Mobarak

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
95	**Human Activity Recognition in RGB Videos with Perceptually-Guided Keyframe Selection and Decoupled Spatio-Temporal Transformer Model** Sidratul Muntaha, Abir Hassan, Md Shihab Hossain, Kaushik Deb	Sidratul Muntaha
364	**RuralSportNet: An Attention-Enhanced Deep Learning Model for Classification of Bangladeshi Rural Sports** MD. Shahneous Ali, Mohammad Maksudur Rahman, Ayshee Islam Liza, Afroza Akter	Mohammad Maksudur Rahman
484	**Beyond Raw Landmarks: Explainable Geometry-Aware Hybrid Learning for Static Hand Gesture Recognition** Asfaq Ahmed, Nishat Tasnim, Adib Afsar Khan, Md. Samiul Islam	Asfaq Ahmed
478	**Cross-Dataset Generalization of Knowledge-Distilled Deepfake Detectors** Syed Azmul Hasan, Mowmita Parvin Hera, Mohammad Farhad Bulbul	Syed Azmul Hasan
398	**FabAtt-XAI: Explainable Attention Learning for Fabric Fault Classification** Mamunur Rashid Alex, Nur-Ee- Nasrin, Md. Eanamul Haque Nizam, Muzahidur Rahman Chowdhury, Md. Abdur Rahman	Mamunur Rashid Alex

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TECH SESSION
TS 18

DABS

Data Analytics for Business, Finance & Society

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Saturday, 31 October 2026	8:45 AM – 10:30 AM	SEU-536 (5th Floor)	Dr. Sujan Chandra Roy Dr. Md. Tofael Ahmed

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
74	**A Multi-Head Attention-Based 1D Convolutional Neural Network for Loan Approval Prediction** Farzana Faiz, Ishana Jabbar, Huda Shaikh, Joolekha Bibi Joolee, Md Azher Uddin	Farzana Faiz
131	**UERAF: A Unified Framework for E-Commerce Return Prediction, Root Cause Analysis, and Revenue Impact Simulation** K. M. Arafat Islam, Ayesha Abedin, Mohammad Jahangir Alam	K. M. Arafat Islam
370	**COMPARING THE PERFORMANCE OF COMBINATION AND HYBRID TIME SERIES MODELS FOR FORECASTING MONTHLY WOVEN APPAREL EXPORTS DEMAND IN BANGLADESH** Farzana Momtaz Mithila, Abid Shahriyar, Dr. Rumana Rois	Farzana Momtaz Mithila
432	**Cross-Dataset Generalization for Explainable Fraud Transaction Analysis Using Optimized Ensemble Learning** Md Majadul Islam Jim, Mohammad Delowar Hossain Gazi, Tasfia Afrin Faria, Nazia Binte Salam, Sabbir Ahmed	Tasfia Afrin Faria
386	**An Integrated Crime Hotspot Analysis, Forecasting, and Emergency Support System in Dhaka City** Nafisa Tabassum, Sadia Islam, Sazzad Zelany, Humayara Binte Rashid, Shaheena Sultana	Nafisa Tabassum

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TECH SESSION
TS 19

ASAM
Antennas, Sensors, Energy Harvesting & Materials

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Saturday, 31 October 2026	8:45 AM – 10:30 AM	SEU-509 (5th Floor)	Dr. Md. Selim Hossain Dr. Tama Fouzder

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
234	**High-Isolation Dual-Port Circular Patch UWB MIMO Antenna with Parasitic Strips for Multiband Wireless Applications** Anoy Roy, Sohanur Rahman Sohag, Mayin Uddin Jubaid, Tahmina Akter, Fahim Shahriar, Iffat Mahmud	SOHANUR RAHMAN
380	**Numerical Analysis of a Dual-Cavity Multicore Fiber Fabry-Perot Sensor with Corrugated Diaphragm for Pressure and Temperature Sensing** Sinthia Islam, Dr. Md. Jahirul Islam, Nafisa Pervin	Sinthia Islam
517	**Elemental Characterization of Commercial Cement Brands in Bangladesh Using Proton-Induced X-Ray Emission (PIXE)** Ishrat Jahan, Nilufer Yesmin Tanisa, Shimul Dey Katha, Khondker Rawan Hamid	Ishrat Jahan
473	**Snap-Through Frequency Up-Conversion for Broadband Piezoelectric Energy Harvesting from Stochastic Human Footsteps** Hasibur Rahman, Md. Sujon Ahmed, Most. Zabida Hossain Jumana, Md. Zahid Hasan Jamy, Mst. Sumiya Azad Konok, Tanzila Arobi, MD Tanvir Hassan Sharon, Mst. Any khatun, Md. Tashin Rahman	MD Tanvir Hassan Sharon
242	**Predicting Polymer Glass Transition Temperature of Textile-Relevant Polymers from SMILES-Derived Molecular Descriptors and Morgan Fingerprints** Mahedi Hasan, Md. Sahidul Islam Turab, Md. Ebrahim Shaikh, Tariq Abid, Shanzida Akter Happy	Mahedi Hasan

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TECH SESSION
TS 20

AESS

AI for Environment, Sustainability & Fairness

PHYSICAL

DATE	TIME	ROOM	SESSION CHAIRS
Saturday, 31 October 2026	8:45 AM – 10:30 AM	SEU-510 (5th Floor)	Dr. Engr. Muhibul Haque Bhuyan Dr. Muhammed Jamshed Alam Patwary

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
522	**StratumDP: A Stratum-Aware Wrapper for Sub-Population Fairness in Differentially Private Synthetic Data** Md. Shihab Uddin, Namia Rahman, Md. Salauddin Shaon, Kamruddin Nur	Md. Shihab Uddin
516	**WasteSeg-BD: Instance Segmentation and Material-wise Profiling of Visible Waste in Urban Water Bodies of Dhaka, Bangladesh** Mohona Nidra, Faria Afrose Chowdhury	Mohona Islam Nidra
170	**EdgeAttendBark: An Edge-Guided Cross-Attention Network for Trustworthy Mangrove Species Identification in the Sundarbans** Shahriar Marjan, Md Azad Sarder Naim, MD TAZRIAN ALAM, S M Shah Nawaz, Audity Rani Paul, Mr. Md Assaduzzaman	Shahriar Marjan
430	**An Explainable Transfer Learning Framework for Soil Moisture Classification Using MobileNetV2 and Grad-CAM** Shaon Mondal, Brishty Roy, Akash Mojumder, Md Abu Taher Siddique, Mohammad Omor Foysal, Sumiya Akter Tithi, Rayhan Iqbal Rony	Shaon Mondal
403	**Pre-Event Prediction of Food Waste in Bangladesh Events Using Synthetic Simulation and Explainable Machine Learning** Md Himel Mia, Al- Amain, Shifat Ahmed, Nusrat jahan Trisna	Md Himel Mia

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TECH SESSION
TS 21

OMI1

Medical Image Classification with CNN-Transformer Hybrids

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	VR-1	Dr. Md. Sarwar Hosain Dr. Rakesh Ranjan

JOIN ONLINE **Click Here to Join (Zoom)** Meeting ID: **930 4131 0744** Passcode: **728266**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
80	**EffiViT-CervixNet: An Explainable Hybrid CNN–Vision Transformer Framework for Cervical Cancer Screening Using Pap-Smear Images** Shuvo Singh Partho, Md. Tanvir Hasan, Md. Mostakim Islam, Souvik Sen, Mahafuzur Rahaman Bappy, Md. Mahfujur Rahman	Souvik Sen
97	**Decoupled Dual-Backbone Concatenation for Dermoscopic Skin Lesion Classification on HAM10000** Md. Abul Hasnat, Tahmid Rahman, Palash Saha, Md. Rashadul Haque Shuvo	Tahmid Rahman
103	**A Parameter Efficient Hierarchical CNN with Squeeze-and-Excitation Attention for Osteoporosis Screening on Plain Radiographs** Zarin Tasnim Vega, Nuzhat Naushin, Basit Ibrahim, Rubaba Khijir Nusheen, Dewan Ziaul Karim, Dr. Md. Shahed Hossain	Zarin Tasnim Vega
204	**DenseViT-GastroNet: An Explainable Hybrid DenseNet169–Vision Transformer Framework for Gastrointestinal Tract Disease Classification** Souvik Sen, Shuvo Singh Partho, Siam Akter Sajit, Sumaiya Yesmin, Md. Ruhul Amin, Shahriar Nazim Tousif	Souvik Sen
307	**Towards Reliable Automated Diabetic Retinopathy Classification: A Benchmark Study of Deep CNN Models** Mafin Sultana, Meherun Nesa, Samiha Almas Raisa, Siam Tahsin Bhuiyan, Md. Zafor Iqbal, MD Rashedur Rahman, Ashraful Islam, Saadia Binte Alam	Mafin Sultana
313	**Multi-Backbone Ensemble with Patient-Level Aggregation for Gastric Precancerous Staging** Farhan Amin, Tabassum Basher Rashfi, Muhammad Ibrahim Khan, Md. Ayon Mia	Tabassum Basher Rashfi
587	**DermFusion-ViT: An Explainable Hybrid Vision Transformer Framework for Skin Disease Classification** Montakir Emtiaz Ahmed Rafid, Md Abdur Rahman Sakib, Md.Towqibur Rahman Khan, Md Azad Sarder Naim, Sayed Hasan Emon, Mst Lutfun Nahar	Montakir Emtiaz Ahmed Rafid

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TECH SESSION
TS 22

OBSH
Biosignal Analysis & Sleep Health

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	VR-2	Dr. Lachit Dutta Dr. Sumaiya Kabir

JOIN ONLINE — Click Here to Join (Zoom) — Meeting ID: **953 7781 9696** Passcode: **415663**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
67	**SleepGuard: Multi-Modal Stacking Ensemble Learning for Four-Class Sleep Disorder Risk Stratification** Md Maniruz Zaman, Sheikh Farhana Binte Ahmed	Sheikh Farhana Binte Ahmed
77	**Recording-Level Versus Subject-Disjoint Evaluation for Parkinson's Disease Voice Classification** Tahmid Rahman, Md Ishak Hossain, Labiba Karim, Md. Rashadul Haque Shuvo	Tahmid Rahman
93	**Bellman-Guided Warm-Start Search for LSTM Configuration in ECG Forecasting** Ahadul Haque Shovo, Mohana Chowdhury	Md. Ahadul Haque Suvo
218	**A Computationally Lightweight Threshold-Based Heuristic-Guided Machine Learning Approach for Sleep-Wake Classification** Nuren Durdana Anika, Dr. Md. Bashir Uddin	Nuren Durdana Anika
280	**Explainable ECG Classification Using a Lightweight 1D Convolutional Neural Network on the PTB-XL Dataset** Md. Shah Maruf Siraj Mugdho, Kazi Fabiha Golam Liya, Rony Azad, Shahrier Emon Shanto, Ema Hossain, Mustaqueem Alam, Md. Faiyaz Mutadayin	Kazi Fabiha Golam Liya
161	**MED-BRB: Uncertainty-Guided Evidential Distillation into a Hierarchical Belief Rule Base for Scabies Detection** MD. Kamrul Hassan, Lamia Akter Monni, Tanjim Mahmud, Md Akash Rahman, Mohammad Shahadat Hossain, Abubokor Hanip, Sardor Sabirov, Khayrulla Urozboev, Odilbek Kosimov	MD. Kamrul Hassan

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TECH SESSION
TS 23

OARW
Antennas, RF Circuits, Photonics & Wireless Systems

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Friday, 30 October 2026	2:30 PM – 4:15 PM	VR-3	Dr. Mohebbanaaz Dr. Mousumi Bala

JOIN ONLINE — Click Here to Join (Zoom) — Meeting ID: **711 6511 5211** Passcode: **4Vxp8E**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
187	**AI-Driven Geometry- and Mask-Robust Port Ranking for Pilot-Efficient Fluid Antenna Systems** Mohammad Akib, Ravi Kumar Arya, Junwei Dong, Sumin Li	MOHAMMAD AKIB
188	**A Dual-Band Fractal Antenna Integrated with Machine Learning for Sub-6 GHz Wireless Systems** Hrittik Raj Barua, Samia Mahjabeen Shama, Arpan Dey, Imtiaz Akber Chowdhury	Hrittik Raj Barua
193	**AI-Driven Fault-Tolerant Beam Steering for Phased Array Antennas via Joint Phase-Amplitude Correction** Mohammad Akib, Ravi Kumar Arya, Junwei Dong, Sumin Li	MOHAMMAD AKIB
399	**A Low-Cost HPM-Resilient LNA Front-End With Integrated Schottky-Diode Based Input Protection for 2.4-GHz ISM Band Wireless Systems** Taha Shahzad, Maryam Rasool, Huraim Aslam, Ayesha Tariq	Taha Shahzad
524	**High-Gain Four-Port Slotted Circular MIMO Antenna With Via-Free GCPW Feeding for Q-Band Applications** Md. Shaikh Salman, Nafiz Imtiaz Bin Hamid, Md. Suaibur Rahman, Munmun Akter	Md. Shaikh Salman
56	**Deep Learning-Based Prediction of Confinement Loss in Hybrid Material Photonic Crystal Fibers** Mahmudul Hoque Mahmud, Anika Tun Naziba, Prof. Dr. Tabin Hasan, Prof. Dr. Mohammad Nasir Uddin	Mahmudul Hoque Mahmud
205	**A Unified Doppler-Resilient Physical-Layer Security for LEO Communications Using OTFS–VPM–MP–WFRFT** Asrafin Akter, Md.Tanjil Islam Aronno	Asrafin Akter

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TECH SESSION
TS 24

OREF
Renewable Energy, PV Fault Diagnosis & Energy Forecasting

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	VR-1	Dr. Nasrin Sultana Dr. Md. Shamim Ahsan

JOIN ONLINE **Click Here to Join (Zoom)** Meeting ID: **958 8204 0536** Passcode: **118091**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
318	**XGBoost-Based AC Fault Classification in Grid-Connected Photovoltaic Systems Using Statistical Wavelet Features** MD HAFIZUR RAHMAN, Mr Yeasir Arafat, Mst Hafiza Khatun	Md Hafizur Rahman
486	**An Integrated Hybrid Renewable Energy and Forecasting Framework for Sustainable Educational Institutions** Zannatun Naim Pavel, Md Mahedi Hasan, Md. Feroz Ali, Bifta Sama Bari, A.H.M.Iftekharul Ferdous, S M Shakil	Zannatun Naim Pavel
513	**Techno-Economic and Environmental Feasibility Assessment of a Hybrid Renewable Energy System for an Educational Facility** Fahim Ahmed, Muhammed Mahimur Rashid, Md. Niaz Morshedul Haque, Afshana Begum, Abdul Ahad	Fahim Ahmed
534	**Comprehensive and Comparative Assessment of InGeCl3-Derived Perovskite Solar Device Through SCAPS-1D Modeling** Akmam Khan Mahin, S.M.Rifat Islam Rose, Md Tamim Hasnat, Md.Imtieaz Hossan Ifti, Dr. Tangina Sultana, Dr. Md. Delowar Hossain	Akmam Khan Mahin
569	**Strain-Induced Optical Modulation in Lead-Based and Lead-Free Perovskites: A DFT Study** Swmic Majumder, Ihtesham Ibn Malek, Samia Subrina	Ihtesham Ibn Malek
135	**When Deep Learning Does Not Beat Simple Benchmarks: Uncertainty Calibration and Transparent Validation in Energy Financial Forecasting** Mahima Begum Tasrin, Naima Akter Mim, Tareq Anwar Shikdar	Mst.Naima Akter Mim
130	**Explainable Deep Learning Framework for Multiclass Anomaly Detection in Solar PV Modules Using Infrared Images** ASHRAF AL KHALIQUE, NUSHIN NAWAR, TASNIA AKTER TANNI	Ashraf Al-Khalique

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TECH SESSION
TS 25

OSMI
Smart Mobility, EV, Industrial & Environmental Intelligence

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	VR-2	Dr. Lachit Dutta Dr. M. Jayalakshmi

JOIN ONLINE **Click Here to Join (Zoom)** Meeting ID: **941 6355 8449** Passcode: **671654**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
190	**SAFE-TWIN: Causal and Uncertainty-Aware Joint Charging Recommendation and Anomaly Diagnosis for Electric Vehicles** Anika Antara, Ummay Maimona Chaman, Abtahi Noor	Anika Antara
350	**Interpretable Machine Learning for Multi-Horizon Prediction of Vehicle-to-Grid Flexibility Under Mobility Uncertainty** Mahbub Hassan, Sumon Chandra Ray, Md Maruf Hassan, Jannatul Ferdous	Sumon Chandra Ray
347	**Explainable Horizon-Specific Prediction of Safety-Critical Car-Following Events from Pre-Critical Kinematics** Sumon Chandra Ray, Mahbub Hassan, Md Maruf Hassan, Cynthia I. Teran Valadez	Sumon Chandra Ray
322	**Sensing–Logic Decoupling for Close-Formation Collision Avoidance in a Low-Cost Multi-UAV Swarm: GNSS-Based Relative Positioning and Artificial Potential Fields** Rafid Lazim, Nubassira Islam, Shadman Ahnaf	RAFID LAZIM
325	**Causal Discovery as a Structural Prior for Sensor-Robust Fault Classification in Industrial Processes** Rashid Abrar Tanzil, Fawjia Islam Nishat, Suzana Yasmeen Shapna, Abida Sultana Shakhi	Suzana Yasmeen Shapna
168	**A Leakage-Aware XGBoost Framework with Advanced Feature Engineering for Time-Series AQI Forecasting in Dhaka City** Md. Abir Rahman, Rafi Ahamed, Sadman Haque Bhuiyan, Tasnia Tarannum Roza, Munaia Jannat Easha, Abu Raihan	Md. Abir Rahman

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TECH SESSION
TS 26

OCST
Cybersecurity, Authentication & Zero-Trust Systems

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Friday, 30 October 2026	4:30 PM – 6:15 PM	VR-3	Dr. Mousumi Bala Dr. Muhammad Golam Kibria

JOIN ONLINE — Click Here to Join (Zoom) — Meeting ID: **785 4580 6874** Passcode: **5LffdB**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
353	**BAC-Chain: Authorization State Modeling for Reconstruction and Remediation of Broken Access Control Chains** Mahrab Khan Pranto, Joyana Islam, Abid Ahmad	Mahrab Khan Pranto
468	**URL-Only Phishing Detection Based on Structural and Character-Level Lexical Fusion Using TF-IDF and LightGBM** Nafis Shahriar, Mahfuzulhoq Chowdhury, MD. SAGOR CHOWDHURY, ADIBA FAIROOZ CHOWDHURY	Nafis Shahriar
476	**CA-DAC: An AI-Augmented and Constraint-Aware Zero Trust Framework for Regulated Enterprises in Bangladesh** Rafiul Awal, Nazmul Huda Setu, Humira Bentay Mahmud, Shajedul Kabir Rafi, Samanta Islam, Syed Mohammed Sazid Ullah	Rafiul Awal
507	**Emotion-Aware Continuous Authentication: An Ablation Study of Adaptation Data and Context Conditioning in Keystroke Dynamics** Farin Sara Rabbani, Sayed Saifur Rahman, Tasnim Firdaus Emon, Sidratul Muntaha, HALIMA TUS SADIA, Kamrun Naher Koli	Farin Sara Rabbani
523	**Identifiers Outperform Behavioural Features: Auditing Leakage and Duplicate Records in CICMalDroid2020 Malware Category Classification** Rebaka Rahman Jannat, Tahia Tasnim Anika, Tanvir Ahmod, Abid Ahmad	Rebaka Rahman Jannat Shammi
557	**Explainable Hybrid CNN-BiLSTM-Transformer Network Intrusion Detection with Unknown-Attack Rejection** Debasish Biswas, Mahmudul Hasan, Prerona Tanjin Kotha, Arjan Ghosh, Shovon Mandal, Kazi Asif Ahmed	Debasish Biswas

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TECH SESSION
TS 27

OMI2
Medical Imaging & Assistive Vision

ONLINE

DATE	TIME	VIRTUAL ROOM	SESSION CHAIRS
Saturday, 31 October 2026	8:45 AM – 10:30 AM	VR-1	Dr. Md. Sarwar Hosain Dr. Shruti Jain

JOIN ONLINE **Click Here to Join (Zoom)** Meeting ID: **932 2531 9404** Passcode: **917510**

PAPER ID	PAPER TITLE & AUTHORS	PRESENTER
361	**A Grad-CAM Based Interpretability Study of Deep Learning Architectures for AML vs. Control Classification** Mahanaj Alamgir, Sanjida Akter Shorna, Fatin Israq, Riyadul Islam, MD Rashedur Rahman, Saadia Binte Alam	Mahanaj Alamgir
576	**FEMa-Net: A Frequency Enhancement Mamba Network for Automated 3D Multimodal MRI Brain Tumor Segmentation** Aditi Mondal, A. B. M. Aowlad Hossain, Shameema Afreen Senjuty	Aditi Mondal
610	**MSPA-Net: A Lightweight Multi-Scale Pyramid Attention Network for Binary Pneumonia Classification on Chest X-Ray Images** Md Aktaruzzaman, Al Sami, Suraieya Islam, Shouvik Dhali, Md. Rizauanul Haque Rakib, SHAIKH AHMED	Shaikh Ahmed Fayaz
3	**An Embedded Real-time Object Alert System for Visually Impaired: A Monocular Depth Estimation based Approach through Computer Vision** Jareen Anjom, Rashik Iram Chowdhury, Tarbia Hasan, Md. Ishan Arefin Hossain	Jareen Anjom

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OCDS
Clinical Decision Support & Trustworthy Health AI

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Saturday, 31 October 2026	8:45 AM – 10:30 AM	VR-2	Dr. Muhammad Rehan Chaudhry Dr. Farhad Bulbul

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Saturday, 31 October 2026	8:45 AM – 10:30 AM	VR-3	Dr. Muhammad Golam Kibria Dr. Nasrin Sultana

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