



Eleventh International Conference on ENGINEERING AND EMERGING TECHNOLOGIES (ICEET 2025)

KUALA LUMPUR - MALAYSIA

22-23 October, 2025

www.iceet.net

CONFERENCE PROGRAM BOOKLET

IEEE Conference Record No: 67911

Warning: All timings in the program are as per Kuala Lumpur Time (GMT+8)
Convert your local presentation time from <https://www.timeanddate.com>



SUPERIOR UNIVERSITY



IEEE

IEEE Malaysia ComSoc & VTS Joint Chapter
IEEE ComSoc **VTS**
IEEE Communications Society

Day 1: 22 October 2025 – Program Overview

Time	ROOM A (PHYSICAL SESSION)
09:00-09:30	Arrival of Participants/Guests
09:30-09:50	National Anthems
	Doa
	Welcome Speech by General Chair
	Opening Speech by Conference Chair
	Montage/Promo Video, Souvenir Distribution, Group Photography Session
09:50-10:10	Plenary Session 1: Keynote Speaker
10:10-10:30	Plenary Session 2: Keynote Speaker
10:30-10:50	Plenary Session 3: Keynote Speaker
10:50-11:15	TEA BREAK

Time	PHYSICAL SESSIONS
	ROOM A (Physical)
11:15-12:45	Parallel Session 1A: Robotics and Automation - Mixed Topic (7)
12:45-13:45	LUNCH BREAK/PRAYER BREAK
13:45-15:15	Parallel Session 2A: Communication Technology - E-learning - Energy Management -Mixed Topics (7)
15:15-15:30	TEA BREAK

	VIRTUAL SESSIONS		
Time	ROOM A (Virtual)	ROOM B (Virtual)	ROOM C (Virtual)
15:30-17:00	Parallel Session 3A: AI, Neural Networks, Deep Learning and Intelligent Systems (7)	Parallel Session 3B: Modern Communication Technology (7)	Parallel Session 3C: Information and Network Security -Software Engineering - Mixed Topics (8)
17:00-17:15	TEA BREAK		
17:15-18:30	Parallel Session 4A: AI, Neural Networks, Deep Learning and Intelligent Systems (7)	Parallel Session 4B: Signal and Image Processing Techniques (7)	Parallel Session 4C: Education & Technologies (E-learning) (7)

Day 2: 23 October 2025 – Program Overview

VIRTUAL SESSIONS			
Time	ROOM A (Virtual)	ROOM B (Virtual)	ROOM C (Virtual)
09:30-10:00	Plenary Session 2: Keynote Speaker		
10:00-11:30	Parallel Session 5A: AI, Neural Networks, Deep Learning and Intelligent Systems (7)	Parallel Session 5B: Smart Grids & Energy Management, Alternate Energy Systems (6)	Parallel Session 5C: Mixed Topics (7)
11:30-11:45	TEA BREAK		
11:45-13:15	Parallel Session 6A: AI, Neural Networks, Deep Learning and Intelligent Systems (7)	Parallel Session 6B: Smart Grids & Energy Management, Alternate Energy Systems (6)	Parallel Session 6C: Mixed Topics (7)
13:15-13:45	TEA BREAK /LUNCH BREAK/PRAYER BREAK		
13:45-14:45	Parallel Session 7A: AI, Neural Networks, Deep Learning and Intelligent Systems (5)	Parallel Session 7B: Robotics and Automation (4)	Parallel Session 7C: Biomedical Engineering & Systems -Mixed Topics (4)
15:00-15:30	Closing Session: Best Paper Announcement Closing Remarks by Conference Chairs Participants' Feedback Q/A Session		

Day 1: 22 October 2025

PLENARY SESSION 0

Session 00: Opening Session Room A

09:30-09:50	- National Anthems - Doa - Welcome Speech by General Chair: <i>Prof. Dr. Roslee Bin Mardeni, Multimedia University</i> - Opening Speech by Conference Chair: <i>Prof. Dr. Muhammad Arfan Jaffar, Superior University</i> - Montage/Promo Video, Souvenir Distribution, Group Photography Session
-------------	--

PLENARY SESSION 1,2,3

Plenary Session (1, 2, 3): Keynote Speaker (1,2,3) Room A

09:50-10:10	Dr. Sufian Mousa Ibrahim Mitani	TBA
10:10-10:30	Assoc. Prof. Ts. Dr. Chee Yen (Bruce) LEOWw	TBA
10:30-10:50	Prof. Dr. Mardeni Roslee, SMIEEE	Title: <i>Handover Optimization in Urban UAV-Assisted HetNets</i>
10:50-11:15		

PARALLEL SESSIONS 1

Parallel Session 1A: Robotics and Automation - Mixed Topic Room A (Physical)

Time	Authors (Presenter)	ID	Title
11:15-12:45	Adnan Rashid; Sa'ed Abed; Osman Hasan	15	Formal Analysis of a Macro-Mini Robotic System for Physical Human-Robot Interaction
	Fayyaz, Sikandar Khan, Aamer Nazir, Salem Bashmal	28	A Comparative Study of Connecting Rod for Four Stroke Internal Combustion Engine: A Study Focused on Improving Structural Integrity and Weight Reduction
	Fan Yang; Billy Chiu; Jing-Yu Ji; Wenhui Yu; Jeff Tang; Zusheng TAN	45	LiteFL: A Lightweight Privacy-Preserving Federated Learning Framework for Non-IID Distributed Wearable IoT Devices
	Surapong Kokkrathoke	106	Peltier-Based Fuzzy Logic Temperature Control in Magnet Power Supply
	Christopher Lehmann; Jennifer Schwardt; Jennifer Gabriel; Frank Fitzek	145	Adaptive Cluster-Based Rate Control for Opportunistic Routing in WMNs
	Bakbergen Temirzakuly; Dias Nurgaliuly; Fadhlán Hafiz Helmi Kamaru Zaman; Essam Shehab; Md.Hazrat Ali	200	Design and Development of In-Situ Microwave Curing Technology for Construction 3D Printer
	Fardin Kabir; Mardeni Roslee; Farman Ali; Yasir Ullah; Istiyak Amin Santo; Fahmid Kabir	249	Toward Safer Roads: A Low-Cost Intelligent Pothole Detection System for Smart Cities
12:45-13:45	LUNCH BREAK/PRAYER BREAK 		

PARALLEL SESSIONS 2

Parallel Session 2A: Communication Technology – E-learning - Energy Management -Mixed Topics Room A (Physical)

Time	Authors (Presenter)	ID	Title
13:45-15:15	Aeron Vince Fajardo ; Aeron Vince Fajardo; Geewel Dariagan; Channen Kyle Cruz; John Luiz Rebancos; Joaquin Rashid Jaranilla; Jaypy Tenerife	21	Enhancing STEM Education Through an Augmented Reality-Integrated Hybrid Learning Model and Learning Management Systems
	Farman Ali; Irfan Khan; Mardeni Roslee ; Yasir Ullah; Azmi Ismail; Idris O.A	69	Deep Graph Reinforcement Learning for UAV-to-Ground Secure Communication with Height-Dependent Line-of-Sight Estimation in Urban Scenarios
	Wei-Zhi Yang ; YuHang Yang; Monamorn Precharattana	97	Evaluating DeepSeek for Automated Screening of Chinese Educational Literature: A Reliability-Centered Study of a Domestic LLM in a High-Ambiguity Domain
	Dheeraj Pant ; K Bhagirath; Abhishek Tiwari; Vivek Khaneja	129	A Modular AXI Verification IP Framework for Deep Learning Accelerators Featuring Convolution Cores
	Sikandar Khan, Abdul Wahab, Aamer Nazir	141	A Comparative Finite Element Analysis of Lightweight Sandwich Structures for Packaging Applications
	Majed Alotaibi	224	Financial Transmission Rights–Based Economic Instruments for Congestion Management in Electricity Markets
	Dr. Essam Altubaishi	225	Performance Analysis of an Adaptive Modulation-Based RIS-Assisted Wireless Communication System
15:15-15:30	TEA BREAK 		

PARALLEL SESSIONS 3

Parallel Session 3A: AI, Neural Networks, Deep Learning and Intelligent Systems Room A			
Time	Authors (Presenter)	ID	Title
15:30-17:00	Deivi Estrada; Anghelo Diaz; Roberto Montero	56	Adaptive Learning System for Personalizing Secondary Education using Content-Based Filtering and Matrix Factorization
	Daniel Cahyadi; Nelson Duta Tan Surya; Ivan Pranoto; Lasmy	59	The Influence of Natural Language Processing-Based Chatbots and Customer Satisfaction on Customer Retention in Marketplaces
	ADEEL IKRAM; Kashif Ali Raza; Hafiz Zulqarnain Khalid; Muhammad Ali Ijaz Malik; Afsah Latif	66	Towards an Intelligent Control System: Integrating Machine Learning with Electromagnetic-Thermal Simulation for Heat-Affected Zone Prediction in Induction Tube Welding
	Udaya Veeramreddygari; Chirag Agrawal	79	Machine Learning for Intelligent Data Integration in Cloud-Native Architectures: Techniques and Applications for the retail domain
	Syed Ahmad Saleem Bokhari; Syed Zarak Shah; Afnan Anwar Khan; Haider Saleem; Muhammad Abbas; Amjad Khan	111	An Attention-Integrated BiLSTM Approach for High-Precision Short-Term Load Forecasting
	irfan khan; Mardeni Roslee; Siti Masiurah Mohd Hassan; Faman Ali; Yasir Ullah; Fardin Kabir	113	UAV-to-Ground Communication Channel Characterization with Frequency Dependency in Built-Up Environments.
	Nor Hidayati Abdul Aziz; Tahmida Majumder	120	Air Quality Prediction with Bi-Directional Gated Recurrent Unit (Bi-GRU)

Parallel Session 3B: Modern Communication Technology Room B			
Time	Authors (Presenter)	ID	Title
15:30-17:00	Jacinta Badu; Kofi Adu-Labi	73	Design of Pets' Health Monitoring and Analysis System - KelPet
	Bernard Tonderayi Mangara	118	Storm-Time Ionospheric Corrections for HF and GNSS During the 10 to 11 May 2024 Superstorm over Southern Africa
	Huber Nieto-Chaupis	123	Poles of Green Function for Newtonian Particle in an Infinite Plane Wave
	Christian Lim; Kevin Christian Yordan; Jasmin Callista Abubakar; Synthia Atas Sari	134	The Role of Word of Mouth and Social Media in Indonesian MSMEs Recruitment Through the Lens of Social Capital
	Sümeye Nur Karahan; Sedat Çimen; Deniz Karhan; Merve Güllü; Mustafa Serdar Osmana	171	AI in 6G-Enabled Sustainable and Green Networking
	Sümeye Nur Karahan; Sedat Çimen	172	RF Feature Engineering for 6G Localization: Bridging the Gap to Sub-centimeter Precision
	Srinivasan A; BASKARAN SUBRAMANIAN; Jayakanthan M.L; Mardeni Roslee; Mohd Zul Fadli Bin Mohamed Yusoff	198	Minimizing capacitated frequency slots in Elastic Optical Networks

Parallel Session 3C: Information and Network Security -Software Engineering - Mixed Topics
Room C

Time	Authors (Presenter)	ID	Title
15:30-17:00	Khalid Abdullah ; M. Rizwan Qureshi	11	Agile Implementation within the Startups of Saudi Arabia: Challenges and Obstacles
	Arbaz Surti	19	Coin Collective: A Scalable, Rule-Driven Platform for Digitizing Community Savings with AI-Assisted Development
	Fábio Paulo; Pedro Oliveira ; Paulo Matos	142	RFID-Based Smart Climate Control in Student Residences: A Personalized and Energy-Efficient Approach
	Phaninthara Sunthonmani; Poom Konghuayrob ; Warachart Suwan-ngam	197	Design and Evaluation of a Reliable Automated ECU Reprogramming Framework
	Joferson Bombasi ; Alexander Hernandez; Arlene Caballero; Erlito Albina	202	Predicting Program Performance using PICAB Accreditation Metrics: A Decision Tree Analysis of Student Outcomes in BS Information Technology
	Sahibzada Muhammad Ali; Aqib Hassan; Mansoor Iqbal ; Muhammad Naveed	204	Ethical AI in Energy: Addressing Data Privacy and Algorithmic Transparency in Smart Systems
	Syed Zarak Shah ; Mansoor Iqbal; Balaj Khalid; Sarmad Saeed; Mafoq U Hassan; Shahid Sultan	219	REE-ML: A Renewable-Aware and Energy-Efficient Machine Learning Framework for Cloud Environments
	Rajgopal Devabhaktuni	258	Deep Reinforcement Learning for Integrated Order Picking and Inventory Control

PARALLEL SESSIONS 4

Parallel Session 4A: AI, Neural Networks, Deep Learning and Intelligent Systems
Room A

Time	Authors (Presenter)	ID	Title
17:15-18:30	Huber Nieto-Chaupis	122	Testing Machine Learning as an Alternative Physics Theory
	Rifat Purwanto ; Ewaldo Yulesta; Synthia Sari	131	Comparison between Altman Z-Score and Machine Learning in Predicting Financial Distress of Energy Companies in Indonesia
	Rithya Peou; Cheol-Hong Min; Hassan Salamy	136	Activity Tracking and Posture Analysis for Hybrid Work Environment
	Fatima Taj ; Adnan Yousaf; Muhammad Fawad Nasim; Maham Naeem; Ranya Muqaddas; Eisha Nawaz	138	Ensembled Deep Learning (DL) Methods for Detecting Skin Cancer Using CNN Algorithm with Multi Model
	Huber Nieto-Chaupis	147	Multilayer Perceptron Based in Theorem of Bayes and Polynomial Fitting for Calculation of Probabilistic Outputs
	Huber Nieto-Chaupis	168	Calculating Energies of Quantum Harmonic Oscillator with Artificial Neural Networks
	Balakumaran Sugumar	257	Data Tokenization: A Key Enabler for Payment Card Industry Data Security Standard (PCIDSS) Compliance in Payment Systems

Parallel Session 4B: Signal and Image Processing Techniques Room B			
Time	Authors (Presenter)	ID	Title
17:15-18:30	Tsholofelo M. Malatji ; Warren P. du Plessis; Dirk F. Bezuidenhout; Muhammad Nana	22	The effects of platform altitude and terrain type on the false alarm rate in infrared small target detection
	HAMEED UR REHMAN ; Zahid Mahmood; Athar Waseem; M Mohsin Jadoon; Waheed Ur Rehman	32	Enhancing Masked Face Recognition Robustness via Two-Stage ArcFace Pretraining and AdaFace Fine-Tuning
	Akshay Karthik ; Alex Huang	42	THETA: Triangulated Hand-State Estimation for Teleoperation and Automation in Robotic Hand Control
	Hassan Ugail ; Ismail Lujain Jaleel	110	Multimodal Visual and X-Ray Machine Learning Features for Art Authentication - A Case Study in the Analysis of Paintings by Goya
	Huber Nieto-Chaupis	124	Friis Transmission Equation from Perturbed One Dimension Wave Equation
	Thuan Van Le ; Nam Van Dinh	223	Glitch-Free Clock Multiplexer Using Reference-Clock Missing-Pulse Detection and Safe-OFF Recovery for SoC Applications
	Salman Waheed; Aqdas Naveed Malik; Ihsan ul Haq; Muhammad Rizwan; Ubaid Umar	254	Detecting Mode Collapse in GANs via Latent Space Sensitivity Analysis

Parallel Session 4C: Education & Technologies (E-learning) Room C			
Time	Authors (Presenter)	ID	Title
17:15-18:30	Beverly Melchor ; Grace Ceballos; Angelica Anne Jaquias; John Angelo Santiago; Edrian Untalan; Jaypy Tenerife	25	Combining Play and Pedagogy: A Market Study on an Interactive, Buildable Educational Kit
	Erica Amoa Atta ; Kofi Adu-Labi	26	Design Of A Low-Cost Interactive Braille Learning Device For Visually Impaired Children
	Omama Khan, Izhar Ahmad, Sikandar Khan , Gulzar Alam	27	Using Generative AI for Personalised and Interactive Learning: A Framework for Integrating Large Language Models (LLMs) in Higher Education
	Wimbledon Domingo; Jean Russel Cabusas ; Aaron Frederick Agustin; Glennise Eureka Bendijo; Ezekiel Richardson Dipasupil; Jaypy Tenerife	67	Enhancing Space Education Through GravX A Study on Awareness, Adoption, and Educational Impact of Gravity Simulation
	Huber Nieto-Chaupis	125	Particle in a Box Under an External Field and Schrodinger's Cat
	Shamnad Mohamed Shaffi ; Jezeena Nikarthil Sidhick; Sunish Vengathattil; Resmi Vijayan	165	Predictive Analytics for Academic Success: Orchestrating Digital Transformation using Big Data techniques for identifying Academic Risk
	Huber Nieto-Chaupis	169	About Evolution of Physics and Mathematics Courses in the Quantum Era

Day 2: 23 October 2025

PLENARY SESSION 2

Plenary Session 4: Keynote Speaker

Room A

09:30-10:00 Dr. Athar Waseem

Title: *Applications of Pattern Recognition and Compressive Sensing in 5G and Beyond Communication Systems*

PARALLEL SESSIONS 5

Parallel Session 5A: AI, Neural Networks, Deep Learning and Intelligent Systems

Room A

Time	Authors (Presenter)	ID	Title
10:00-11:30	Roberto Montero; Ronnie Gonzales; Angelo Contreras	57	Assistant for medical appointments and medication recommendations using Chatbot with NLP techniques in the healthcare sector in Lima
	Samaneh Bahrami; Sonjoy Ranjan Das; BILAL HASSAN ; Preeti Patel	175	Transfer Learning Based Age Recognition Using Arbitrary Images
	Vidhyalakshmi Parthasarathy; Khadija Naveed; Sonjoy Ranjon Das; BILAL HASSAN	176	Deep Transfer Learning for Credit Scoring and Default Risk Prediction with Real World Financial Insights
	Krassimira Stoyanova	181	Leveraging the Knapsack COA Approach for Optimal Coin Choices
	Haider Saleem	184	Short-Term Wind Power Forecasting Using a Dual Attention GRU Model
	Gayathri Devi T ; Srinivasan A; Rajkumar G; Sudha S; Lee Loo Chuan; Mardeni Roslee	187	AI-Based Decision Support System for Soil Conservation Using Convolutional and Recurrent Neural Networks
	Nikolay Yordanov; Marin Zhilevski ; Mikho Mikhov; Merve ErtarÄYÄ±n	193	A Hybrid Machine Learning Architecture for Acoustic Fault Diagnosis in Electric Motors: Offline and Online Modes via Mobile Phone
11:30-11:45	TEA BREAK 		

Parallel Session 5B: Smart Grids & Energy Management, Alternate Energy Systems

Room B

Time	Authors (Presenter)	ID	Title
10:00-11:30	Sahibzada Muhammad Ali; Mansoor Iqbal; Syed Zarak Shah ; Waseem Akram; Syed Mustafa Ali; Bilal Khan	29	From Smart Grids to Smart Planets: The Role of AI in Global Energy Transformation
	Zahid Ullah ; Giambattista Gruosso; Alda Scacciante	82	Advancing Sustainable Energy Management in Public Buildings through Digital Twins and Reinforcement Learning
	Theresya Celine; Lasmy Lasmy	98	THE ROLE OF GAMIFICATION AND SOCIAL VALUE IN INCREASING CONSUMER ENGAGEMENT ON TIKTOK PLATFORM
	Salman Qayyum Butt; Fenglei Niu; Muhammad Nouman Khalid Khan	104	High-Fidelity Simulation Framework for CO ₂ -Optimized Energy Dispatch via Enhanced NSGA-II Algorithms
	Salman Qayyum Butt; Fenglei Niu; Muhammad Nouman Khalid Khan	107	Real-Time Adaptive Scheduling for Low-Carbon Energy Systems Using Predictive Enhanced NSGA-II
	virgil lie; Lasmy Lasmy	160	ANALYSIS OF FACTORS INFLUENCING PRODUCT ADOPTION: A CASE STUDY ON GREEN TECHNOLOGY
11:30-11:45	TEA BREAK 		

Parallel Session 5C: Mixed Topics

Room C

Time	Authors (Presenter)	ID	Title
10:00-11:30	René Lehmann ; Bodo Vogt	20	Likert scales compositional data analysis in terms of J-shaped data generating processes
	Yves Adam Alvarez; Denyael Day Dacanay; Franz Angelo Lewis Dar; Raymond Vincent De Jesus ; Shaun Matthew De Leon; Jaypy Tenerife	23	Smart Tent, Smart Market: Exploring Consumer Preferences and Market Feasibility of a Modular Camping System in the Philippines
	Anuradha kannan ; Vamsikrishna Tumuluru	70	Optimal revenue maximization of Electric vehicle fleet under charging and computing network
	Pedro Juan Roig ; Salvador Alcaraz; Katja Gilly; Cristina Bernad; Blas Trigueros	76	Matrix representation of basic quantum circuits
	Pedro Juan Roig ; Salvador Alcaraz; Katja Gilly; Cristina Bernad; Blas Trigueros	77	Matrix analysis of quantum addition with Toffoli gates
	Md Amirul Islam ; Giovanni Stea	92	Evaluating Performance in On-Chip Networks with Network Calculus
	Saifur Rehman; Muhammad Ibrar ; Syed Zain Abbas; Alaisbha Alaisbha; Tajammal Hussain	157	Real-Time Sensory Synchronization in VR Flight Simulators to Mitigate Simulator sickness
11:30-11:45	TEA BREAK 		

PARALLEL SESSIONS 6

Parallel Session 6A: AI, Neural Networks, Deep Learning and Intelligent Systems

Room A

Time	Authors (Presenter)	ID	Title
11:45-13:15	Farhana Ahmed	209	Smart Agriculture: Cucurbit Leaf Disease Detection Using Swin Transformer
	Rand Alhaqbani ; Hateef Almady; Zuhaira Zain	212	Baseera: An AI-Based Sound Recognition and Visual Alert System for the Deaf
	Telmo Sampaio; Pedro Oliveira ; Paulo Matos	217	3D-Chatbot: A Intelligent Conversational Agent Integrating RAG, NLP, And VR For Commercial Stores
	Yves Adam Alvarez , Denyael Day Dacanay, Franz Angelo Lewis Dar, Raymond Vincent De Jesus , Shaun Matthew De Leon and Jaypy Tenerife	230	Empowering Women Globally Through Information Technology to Bridge the Digital Gender Divide for Inclusive Development
	Rashmi Gupta ; Saurabh Sarathe	232	GreenIoT: Energy-Aware Data Aggregation Using Dynamic Clustering
	Dian Alamanda ; Derry Destian; Synthia Atas Sari	233	Outsourcing Selection Optimization Through Neuro-Symbolic AI Approach: Learning Integration and Reasoning for Fair and Efficient Recruitment
	Shubham Bhaskar Thakare ; Krunal Patel; Srinivas Akhil Hawaldar	239	Advanced CAD Modelling Techniques for Efficient Product Development in Infrastructure and Mechanical Systems
13:15-13:45	TEA BREAK /LUNCH BREAK/PRAYER BREAK 		

Parallel Session 6B: Smart Grids & Energy Management, Alternate Energy Systems

Room B

Time	Authors (Presenter)	ID	Title
11:45-13:15	Mustafa Fadhel	177	An Experimental Study on the Performance of a Small-Scale Smart Air Conditioning System for Residential Use: A Case Study in Auckland, New Zealand
	Muhammad Naveed; Kaleem Ullah ; Sahibzada Muhammad Ali; Syed Zarak Shah; Muhammad Osama Aziz	185	Phantom Load Detection in Smart Homes Using Deep Learning Models
	Victoria Arenas-Ramos ; Isabel Santiago; Rafael Real-Calvo; Miguel Gonzalez-Redondo; Victor Pallares-Lopez	188	Synchrophasor-based monitoring system for ramp detection in photovoltaic plants
	Bernard Tonderayi Mangara	196	Multi-Objective Optimization of a Fresnel Solar Thermal System
	Sahibzada Muhammad Ali; Aqib Hassan; Mansoor Iqbal ; Khalid Munir; Muhammad Naveed; Umer Saddique	201	AI for a Greener Planet: Revolutionizing Energy Systems for Climate Resilience
	Marwah Ezzulddin; myasar younus ; omar Alyozbaky	226	Virtual Power Plant in Modern Power System a review
13:15-13:45	TEA BREAK /LUNCH BREAK/PRAYER BREAK 		

Parallel Session 6C: Mixed Topics

Room C

Time	Authors (Presenter)	ID	Title
11:45-13:15	Rene Achotia; Cheol-Hong Min	126	Investigating the Responsivity and Sensitivity of Amorphous Selenium Superlattices Photodetector Using Machine Learning Techniques
	Peijin Du ; Minzhou Wang	130	HCI Approaches to Reducing Cognitive Load in Cross-Device Peripheral Management
	Tomonori Kouya	132	Acceleration of multiple-precision algebraic equation solvers using AVX2
	André Moreira; Ana Mara Moreira; José Barbosa; Rogério Tavares; Carlos Cunha ; Paulo Leitão	143	Leveraging WebGL for Interactive and Real-Time Data Visualization through Digital Shadows in the Automotive Industry
	Redney Monteiro; Ana Mara Moreira; André Moreira; Jorge Laranjeira; José Barbosa; Pedro Filipe Oliveira; Carlos Cunha ; Paulo Leitão	144	Augmented Reality and Mixed Reality in the Factory of the Future: A Bibliometric Analysis
	Zulfugar Nurubayli; Tarana Nurubeyli; Sahib Ibrahimkhalilov	164	Application Of Semiconductor Circuits For Generating Transient Earth Voltage (TEV) Signals In Partial Discharges Diagnostic Systems
	Rashmi Gupta ; Saurabh Sarathe	186	AquaSave: Event-Driven Wake-Up Protocol for Low-Power Field Sensors in Water Monitoring Applications
13:15-13:45	TEA BREAK /LUNCH BREAK/PRAYER BREAK 		

PARALLEL SESSIONS 7

Parallel Session 7A: AI, Neural Networks, Deep Learning and Intelligent Systems

Room A

Time	Authors (Presenter)	ID	Title
13:45-14:45	Roberto Montero; Ysrael Nuñez; Pedro Grados	58	Predictive system for pricing used vehicles in Lima based on RestNet and XGBOOST
	Ahmed ALSalahi; Ponnuthurai Suganthan; Abdulaziz Al-Ali	236	Randomized Neural Network with Multiple Output Layers for Multi-label Classification
	GOPALAKRISHNAN VENKATASUBBU	240	Streaming Intelligence Real Time Fraud Detection in Retail Payments Using Machine Learning
	Sathish Kumar Velayudam; Nidhi Sharma	241	AI Enhanced Data Privacy in Retail CRM Systems
	Ubaid Umar; Athar Waseem; Aqdas Naveed; Fahad Munir; Sara Ayub; Mardeni Roslee	247	Powering the 6G and Beyond Wireless Era: AI and Deep Learning Innovations

Parallel Session 7B: Robotics and Automation

Room B

Time	Authors (Presenter)	ID	Title
13:45-14:45	Fardin Kabir; Fariz Ali; Mohd Shahrieel Mohd Aras; Mardeni Roslee; Fahmid Kabir; Sharfi Rahman	51	Low-Cost UAV-Based Air Quality and Temperature Monitoring System
	Alex Eayrs; Chris Gerhardson; Cheol-Hong Min; Hassan Salamy	116	A ROS-based Autonomous Indoor Pick'n Place Robot Integration with Object and Text Recognition
	Aamir Abbas	158	Design and Implementation of PLC-Based Automated Vegetable Cutting System for Enhanced Food Processing Efficiency
	RAMDANE HEDJAR; Fiddah Alrasheedi; Mohamed Mekhtiche; Mohamed Bencherif	214	One Step Ahead Model Predictive Control of a Multi-robot System: Leader-follower Approach

Parallel Session 7C: Biomedical Engineering & Systems -Mixed Topics

Room C

Time	Authors (Presenter)	ID	Title
13:45-14:45	Carlos Reano; Rocio Carratala-Saez; Ricardo Olanda; Sandra Catalan	88	Detection of DNA Differentially Methylated Regions Using Low-Power Devices: Early Experiences
	Christopher Gerhardson; Cheol-Hong Min	121	Wearable Sensor Analysis of Common Curling Motions
	Huber Nieto-Chaupis	146	Model Cell Capture Through Fokker-Planck Equation
	Sivasai Nadella; Supraja Chinthala; vasudeva chemuru	174	The CRM Data Quality Advantage - Driving Pharma Performance Through Data Engineering and AI

CLOSING SESSION

Closing Session – Closing Remarks by Conference Chairs Room A

15:00-15:30

Best Paper Announcement

Closing Remarks by Conference Chairs

Participant Feedback

We value your insights and would love to hear about your experience. Please share your feedback on the sessions, speakers, organization, and overall event. Your input is essential in helping us improve future conferences!

Q/A Session

Thank you very much for your contributions.