



9th International Conference on Engineering and Emerging Technologies (ICEET 2023)

27-28 October 2023
Istanbul / Turkey
<http://www.iceet.net>

CONFERENCE PROGRAM BOOKLET

IEEE Conference Record No: 60227



Warning: All timings in the program are as per Turkish
Time (GMT+3)

Convert your local presentation time from
<https://www.timeanddate.com>

27 October 2023

	ROOM A (Physical)	ROOM B (Physical)	ROOM C (Virtual)
08.00-08.45	Registration/Arrival of Participants/Guests		
08.45-08.50	Welcoming Remarks by Conference Chairs		
08.50-09.05	Opening Remarks by Rector/Dean, Superior University, Istanbul Topkapi University		
09.05-09.15	Montage/Promo Video, Souvenir Distribution, Group Photography Session		
09.15-09.45	Plenary Session 1: Keynote Speaker		
09.45-10.45	Parallel Session 1A: AI, NN, Robotics and Automation (4)	Parallel Session 1B: Mixed Topics (4)	Parallel Session 1C: Education & Technologies (E-learning) (4)
10.45-11.00	Tea Break		
11.00-11.30	Plenary Session 2: Keynote Speaker		
11.30-12.30	Parallel Session 2A: Software Engineering-Mixed Topics (4)	Parallel Session 2B: Electronics and Circuits (4)	Parallel Session 2C: Modern Communication Technology (4)
12.30-14.00	Lunch Break/Prayer Break		
14.00-14.30	Plenary Session 3: Keynote Speaker		
14.30-15.30	Parallel Session 3A: Information and Network Security (4)	Parallel Session 3B: Alternate Energy Systems, Smart Grids & Energy Management (4)	Parallel Session 3C: Neural Networks, Deep Learning and Intelligent Systems (4)
15.30-15.45	Tea Break		

	ROOM A (Virtual)	ROOM B (Virtual)	ROOM C (Virtual)
15.45-16.45	Parallel Session 4A: Alternate Energy Systems, Smart Grids & Energy Management (4)	Parallel Session 4B: Software and Biomedical Engineering & Systems (4)	Parallel Session 4C: Signal and Image Processing Techniques (4)
16.45-17.00	Tea Break		
17.00-18.15	Parallel Session 5A: Neural Networks, Deep Learning and Intelligent Systems (5)	Parallel Session 5B: Alternate Energy Systems, Smart Grids & Energy Management (4)	Parallel Session 5C: Mixed Topics (4)
19.00	Departure For Bosphorus Dinner & Turkish Night Show Cruise		
20:45-23:45	Conference Dinner Bosphorus Dinner & Turkish Night Show Cruise		

28 October 2023

	ROOM A (Virtual)	ROOM B (Virtual)	ROOM C (Virtual)
09.00-09.30	Plenary Session 4: Keynote Speaker		
09.30-10.45	Parallel Session 6A: Artificial Intelligence (5)	Parallel Session 6B: Artificial Intelligence (5)	Parallel Session 6C: Information and Network Security (5)
10.45-11.00	Tea Break		
11.00-11.30	Plenary Session 5: Keynote Speaker		
11.30-13.00	Parallel Session 7A: Mixed Topics (7)	Parallel Session 7B: Robotics and Automation (7)	Parallel Session 7C: Antenna & Wave Propagation (7)
13.00-13.30	Lunch Break		
13.30-14.30	Parallel Session 8A: Alternate Energy Systems, Smart Grids & Energy Management (4)	Parallel Session 8B: Mixed Topics (4)	Parallel Session 8C: Mixed Topics (4)
14.30-15.00	Closing Session: Best Paper Announcement Closing Remarks by Conference Chairs		

27 October 2023

PLENARY SESSION 00

Session 00: Opening Session

Room A

08:45-09:15

Welcoming Remarks by Conference Chairs
Opening Remarks by Rector/Dean, Superior University, Istanbul Topkapi University
Montage/Promo Video, Souvenir Distribution, Group Photography Session

PLENARY SESSION 1

Plenary Session 1: Keynote Speaker

Room A

09.15-09.45

Dr. Dogu Cagdas ATILLA

***Title: Future Trends in ADAS Systems:
Testing, Validation, and Simulation***

PARALLEL SESSIONS 1

Parallel Session 1A: AI, NN, Robotics and Automation

Room A

09.45-10.45

Benalia Nadia, Zerzouri Nora,
Ben Si Ali Nadia

-67- Comparison between GA and PSO
Optimized PID and PSS for SMIB System

Raed Alahmdi, Charles
Sexton, Mohammad Sait

-129- Development and Optimization of Screw
Bodied Design for Burrowing Robotic
Applications in Loose Sand

Sung Jun Park, Joong Hwan
Baek

-130- Detection Based Crop Segmentation
Using NDVI in UAV Multispectral Image Data

Siamak Delshadpour

-167- Capturing Optimum Result of The
Hopfield Neural Network for Linear and
Quadratic Programming

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 1B: Mixed Topics**Room B**

09.45-10.45	Hanim Abdul Razak , Hazura Haroon, Yusmarnita Yusop, Anis Suhaila Mohd Zain, Hazli Rafis Abdul Rahim, Ahmad Mubasyir Abdul Ghafar	-31- Performance of Fiber Optic Sensors Based on Waist Enlarged Tappers for Solubility of Naringin in Water
	Hazura Haroon , Siti Khadijah Idris, Hanim Abdul Razak, Wan Maisarah Mukhtar, Hazli Rafis Abdul Rahim, Anis Suhaila Mohd Zain	-25- Characterization of a Zinc Oxide Coated Polymer Optical Fiber for Limonene Concentration
	yusmarnita Yusop , Cheok Yan Qi, Shakir Saat, Huzaimah Husin, R. Shaktivel	-26- Simulation Analysis of Double-sided LC Network for Wireless Capacitive Transcutaneous Energy Transfer
	Pribhat Kumar, Shafaat Ahmed Bazaz , Muhammad Mubasher Saleem	-65- Design and Analysis of a Low-g MEMS Accelerometer Utilizing Weakly Coupled Resonators

BREAKFAST / LUNCH / DINNER/TEA BREAK

Parallel Session 1C: Education & Technologies (E-learning)

Room C

09.45-10.45	Pedro Filipe Oliveria , Paulo Matos	-84- Beacons at university campus, a mobile application to improve learning and bridge diversity
	Pedro Filipe Oliveria , Paulo Matos	-85- Learning analytics to validate academic performance analysis
	Pedro Filipe Oliveria , Paulo Matos	-97- Mobile Integration for Sakai LMS and class schedule platform at an higher education institution
	Tayyeba Bashir , Tan Zhongfu, Burhan Sadiq, Muhammad Waqas Rana, Ammara Naseem	-119- Studying the influential factors for intention to use social networking sites

BREAKFAST / LUNCH / DINNER/TEA BREAK



PLENARY SESSION 2

Plenary Session 2: Keynote Speaker

Room A

11.00-11.30	Dr. Jawad Ahmad, SMIEEE	<i>Title: Substitution Boxes for Image Encryption Applications in Highly Auto-Correlated Data</i>
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PARALLEL SESSIONS 2

Parallel Session 2A: Software Engineering-Mixed Topics

Room A

11.30-12.30	Chinlun Lai	-50- An Optimal VR-Game Content Control Strategy based on User Physiological Conditions
	Mona Bahri , Sahand Vahidnia, Leo Ghignone, Mahtab Mohtashamkhani	-105- Wind speed prediction method using a SEEMD-based model
	Ilham Zharif Mustaqim , Teguh Raharjo, Ni Wayan Trisnawati	-117- Toward Unveiling the Execution of Large-Scale Agile Project in Global Software Development: A Systematic Literature Review
	Laiba Asghar, Fawad Ahmed, Muhammad Shahbaz Khan, Arshad Arshad, Jawad Ahmad	-132- Noise-Crypt: Image Encryption with Non-linear Noise, Hybrid Chaotic Maps, and Hashing

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 2B: Electronics and Circuits**Room B**

11.30-12.30	Jeong Beom Kim	-171- Design of an Energy-Efficient Parity Function Circuit
	Siamak Delshadpour	-166- Implementation of a Complex gm-C Filter with one Type of gm Cell
	Marwa Ben Said-Romdhane , Sondes Skander, Ilhem Slama Belkhodja	-156- Optimizing Solar-powered Electric Vehicle Management with Distributed Decision Making under Shading Conditions
	Tudor-Alexandru Filip , Ina Turcan, Cosmin-Constantin Simota, Dragos Astanei, Marius Andrei Olariu	-169- Fabrication and preliminary evaluation of flexible screen-printed resistive voltage divider

BREAKFAST / LUNCH / DINNER/TEA BREAK

Parallel Session 2C: Modern Communication Technology

Room C

11.30-12.30	Khalid Ibrahim , Sadiq Ahmed, Ubaid Umar, Athar Waseem, Soon Xin Ng, Aqdas Naveed Malik	-5- Mitigating Rate-Aware Jamming Attacks: A Deceptive Anti-Jamming Approach with Enhanced Utility
	ShiHui Duan, He Li , JinYu Zhu, Haojiang Deng, Chenglin Zhao	-49- Research on TSN Fronthaul for Converged 5G Transport
	Burhan Sadiq, Tan Zhongfu, Tayyeba Bashir, Muhammad Waqas Rana, Ammara Naseem	-118- A Study of Human-Computer Interaction to engage the customers in the context of Social Media Marketing
	Canek Portillo , Jorge Martinez-Bauset, Vicent Pla, Vicente Casares-Giner	-121- IoT WSN MAC Protocol: Simulation Analysis of Minimum Packets in Queue Nodes for Medium Access Contention

BREAKFAST / LUNCH / DINNER/TEA BREAK



PLENARY SESSION 3

Plenary Session 3: Keynote Speaker

Room A

14.00-14.30	Dr. Athar Waseem, SMIEEE	<i>Title: Security Threats and Mitigation Approaches for D2D Communication in 5G & B5G Wireless Networks</i>
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PARALLEL SESSIONS 3

Parallel Session 3A: Information and Network Security

Room A

14.30-15.30	Muhammad Shahbaz Khan , Jawad Ahmad, Hisham Ali, Nikolaos Pitropakis, Ahmed Al-Dubai, Baraq Ghaleb, William J. Buchanan	-109- SRSS: A New Chaos-Based Single-Round Single S-Box Image Encryption Scheme for Highly Auto-Correlated Data
	Mahdi Madani , Safwan El Assad, Camel Tanougast, Mark Joseph Vella, El-Bay Bourennane, Olivier Deforges	-10- FPGA based implementation of Enhanced ZUC Stram Cipher based on Dynamic S-box
	Ayanaa Shehthaj Musthafa, Azratul Jannat Preya, Zakia Sultana, Fatima Hasan AlAidarosand , Moatsum Alawida	-76- FaceCrypt: Securing Workplaces Based on Facial Recognition and Visual Cryptography
	Bishoy K. Sharobim, Salwa K. Abd-El-Hafiz, Ahmed G. Radwan	-22- Double Visual Cryptography Using Generalized Tent Map, Rotation, and Image Filtering

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 3B: Alternate Energy Systems, Smart Grids & Energy Management
Room B

14.30-15.30	Rizwan Tariq , Awais Afzal, Ibrahim Alhamroun, Atteq Ur Rehman, Zimran Rafique, Rao Muhammad Asif	-54- DESIGN PHILOSOPHY AND CONSTRUCTION OF OVER HEAD TRANSMISSION LINE (OHTL)
	Mahdieh Samadi , Hamed Kharrati, Mohammad Ali badamchizadeh, Hossein Hassani, Soodeh Nikan	-141- Diagnosing Faults in Smart Grids Using Liquid Time-Constant Network.
	Zerzouri Nora , Benalia Nadia, BenSiAli Nadia	-44- Modeling and Control of Photovoltaic System Interfacing Grid
	Muhamad Nurarif Bin Md Jamil, Dr. Madiah Binti Omar , Rosdiazli Bin Ibrahim, Bingi Sai Venkata Naga Kishore, Mochammad Faqih	-120- Development of Rectifier Performance Using Harmonic Balance Simulation for RF Energy Harvester Prototype

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 3C: Neural Networks, Deep Learning and Intelligent Systems

Room C

14.30-15.30	Anirudh Garg, Kartikey Singh , Radhika Mundra	-43- Semi-Supervised Approach for Multi-Domain Classification
	Zaid bin Tariq Baig , Xiaojuan Han, Muhammad Azam, Rehan Ahmad	-55- Novel Machine Learning Approach for High-Precision Brain Tumor Detection from MRI Images
	Anthony DiBenedetto , Osama "Sam" Abuomar, Angel Yanguas-Gil, Jeffrey W. Elam	-56- Optimizing Atomic Layer Deposition using a Hybrid of Machine Learning Methods
	Muhammad Irfan Elahee bin Mohd Illzam Elahee , Kelvin Sheng Chek Yong, Patrick Hang Hui Then, Sim Kwan Yong	-124- Comparative Analysis of Graph Representation Techniques for Code Vulnerability Detection

BREAKFAST / LUNCH / DINNER/TEA BREAK



PARALLEL SESSIONS 4

Parallel Session 4A: Alternate Energy Systems, Smart Grids & Energy Management Room A

15.45-16.45	Shayan Sohail , Husnain Abid, Muhammad Ali Ijaz Malik, Arsalan Fazil, Saif-Ur-Rehman	-18- Design of Hybrid Renewable Energy system for a Selected Location In Pakistan
	Hussein Mohammed Ali Alwakeel , Mesut CEVIK	-35- Hybrid Renewable Power Generation and Modeling (PV and Wind)
	Suhaib Sajid , Bin Li, Muhammad Athar, Ali Muqtadir	-51- Revolutionizing Sustainable Energy Management: Blockchain-Enabled Demand Response Service and Supplier Evaluation
	Paulo Matos, Pedro Filipe Oliveira	-64- Platform for optimizing photovoltaic consumption

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 4B: Software and Biomedical Engineering & Systems

Room B

15.45-16.45	Henri Tapani Heinonen , Alexander Semenov	-46- Bitcoin Mining Could Revolutionize Grid Computing and Unconventional Computing
	Paulo Matos , Pedro Filipe Oliveira	-63- Service assurance in the transport of goods, to encourage the optimization of processes related to transport logistics and the reduction of waste
	Rinaldi Pradhana Widhianto , Afifah Risma Alfariyani, Zufar Asyraf Al Hamid, Wahmisari Priharti, Fenty Alia, Eva Krishna Sutedja	-48- Hardware Design Of Skin Cancer Detection Device
	Javier Camacho , Claudia Colmenares, Christian Lochmuller, Cristhian Patino, Paul Rodriguez, Andres Garcia, Nicolas Roza Agudelo, Mario A. Isaza-Ruget	-143- Text analytics based on physician's notes for the identification of potential hypoglycemic events in patients with diabetes mellitus

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 4C: Signal and Image Processing Techniques**Room C**

15.45-16.45	Cai Wenhong , Xiang Jinhai, Hu Bin	-82- Self-modulated feature fusion GAN for Text-to-image Synthesis
	Dinh Do Van	-92- Evaluation method and input selection for the model to predict the maximum and minimum ambient temperature parameters
	Mukesh Delu , Priyanka Harjule	-98- Modified fractional edge detection masks based on compass gradient for retinopathy screening
	Yasuko Sugito , Yuichi Kondo, Daichi Arai, Yuichi Kusakabe	-107- Subjective QoE Evaluation of 8K VVC Videos Under Various Viewing Conditions

BREAKFAST / LUNCH / DINNER/TEA BREAK

PARALLEL SESSIONS 5

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

Room A

17.00-18.15	Zaid bin Tariq Baig , Xiaojuan Han, Muhammad Azam, Rehan Ahmad, Ehsan Ali	-1- Application of Convolutional Neural Networks for Automated Diabetic Retinopathy Detection from Retinal Images
	Zaid bin Tariq Baig , Xiaojuan Han, Muhammad Azam, Rehan Ahmad, Ehsan Ali	-2- An improved CNN-based pooling algorithm for medical image fusion
	Ming Cheng , Yunbing Yan, Qiuchen Zhu, Hongjun Lei	-23- Automatic Calibration of the Driver's Gaze Area Based on a Semi-Supervised Learning Algorithm
	Zaid bin Tariq Baig , Xiaojuan Han, Momina Hafeez	-3- A Comparative Review of Multimodal Fusion Techniques for Medical Image Diagnosis
	Zaid bin Tariq Baig , Xiaojuan Han, Muhammad Azam, Rehan Ahmad	-28- Advanced Deep Learning Approach for Multiclass Breast Cancer Detection from Mammogram Images

BREAKFAST / LUNCH / DINNER/TEA BREAK



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

17.00-18.15	Prince Valdano ITOUA , Muhammad Waqas Rana	-108- Strategies used by National Petroleum Company of Congo (SNPC) to manage carbon emission caused by the fossil fuels energy consumption
	Taleb Vahabzadeh , Seyyedmilad Ebrahimi, Juri Jatskevich	-114- Impedance-Based Online Stability Monitoring and Control of VSC-Based Power Systems
	Ehsan Ali, Laeega Batool , Zaid Bin Tariq Baig	-127- Examining the Impact of Energy Management Systems on Energy Performance and Organizational Competitiveness: An Empirical Study
	Ehsan Ali , Laeega Batool	-128- Unraveling the Complex Web of Energy Crises: Exploring Causes and Confronting Challenges in Pakistan



Parallel Session 5C: Mixed Topics

Room C

17.00-18.15	Yousra Mahmoudi , Nadjat Zioui, Haccene Belbachir	-33- Comparison between conventional and quantum-based p-median optimization for energy consumption in IoT networks
	Adeel Asad , Yanfeng Geng, Adnan Yousaf, Weiliang Wang	-11- Stabilized Platform Control Unit Modelling and Control for Drilling Rotary Steerable System
	Tomonori Kouya	-36- Acceleration of complex matrix multiplication using arbitrary precision floating-point arithmetic
	Muhammad Athar , Bin Li, Suhaib Sajid, Ali Muqtadir	-52- Blockchain-Powered Sustainable Demand Response: A Paradigm Shift in Service and Supplier Baseline Evaluation



19.00	Departure For Bosphorus Dinner & Turkish Night Show Cruise
20:45-23:45	Conference Dinner Bosphorus Dinner & Turkish Night Show Cruise

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PLENARY SESSION 4

Plenary Session 4: Keynote Speaker

Room A

09.00-09.30

Prof. Dr. Wei Li

Title: Nanophotonics control of thermal radiation for energy applications

PARALLEL SESSIONS 6

Parallel Session 6A: Artificial Intelligence

Room A

09.30-10.45

Omer Nasih Ismael ALHURMUZI, Timur Inan

-6- FATIGUE DETECTION OF DRIVERS USING IMAGE PROCESSING AND ARTIFICIAL INTELLIGENCE TECHNIQUES

Sarah Athuthayli, Reema Alshiddy, Hessa Aljulifi, Haya Alaskar

-45- Tweets analysis system for product reviews

Paulo Matos, Pedro Filipe Oliveira, Rui Alves

-87- Meta Social Network - Concept, empirical validation and feasibility

Aarti Amin, Alberto Tamajo, Issac Klugman, Emil Stoev, Timothy Fisho, Hwasup Lim, Hansung Kim

-103- Real-time 3D multi-person pose estimation using an omnidirectional camera and mmWave radars

Gloria Gheno

-113- MIndex: an algorithm to predict the rebalancing of the ASX Index

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 6B: Artificial Intelligence**Room B**

09.30-10.45	Adeel Ahmed Awan, Irfan Ahmed	-131- Eyegaze Control Algorithm Using Machine Learning
	Tao Wu , Shuhua Zhang	-133- Application of generative artificial intelligence to assessment and curriculum design for project-based learning
	Muhammad Azam , Adnan Yousaf, Fatima Zafar, Muhammad Saad Munir, Muhammad Imran Saeed	-155- A Real-time Data Analysis Approach for Predicting COVID-19 Outcomes using Heterogeneous Ensemble Learning
	Kian Farooghi , Mahdieh Samadi, Hamid Khaloozadeh	-59- Tabular Dyna-Q Algorithm for Online Calculation of LQR Gains: A Simulation Study
	Layth Rafea Hazim , Abdulrahman Ahmed Jasim, Oguz Ata, Muhammad Ilyas	-99- Intrusion Detection System (IDS) of Multiclassification IoT by using Pipelining and An Efficient Machine Learning

BREAKFAST / LUNCH / DINNER/TEA BREAK

Parallel Session 6C: Information and Network Security

Room C

09.30-10.45	Danijela Tešendić , Eleni-Maria Kalogeraki, Giulio Vivo, Nineta Polemi, Danijela BoberićKrstićev	-40- Quantifying asset criticality in supply chains
	Eva Papadogiannaki, Grigorios Chrysos , Konstantinos Georgopoulos, Sotiris Ioannidis	-139- A Reconfigurable IDS Framework for Encrypted and Non-Encrypted Network Data in Supply Chains
	Ameerah Assotally	-142- Review of IPv6 mitigation techniques for Enterprise Local Area Networks
	Mustafa Akal , Muhammad Ilyas	-153- Maturity Model for Zero Trust Adoption
	Byeongseop KIM , Jongpil Jeong	-163- BA-TMS: Design and Implementation of Blockchain Based Aggregate Transportation Management System Using Smart Order and Electronic Invoice

BREAKFAST / LUNCH / DINNER/TEA BREAK



PLENARY SESSION 5

Plenary Session 5: Keynote Speaker

Room A

11.00-11.30	Prof. Ts. Dr. Mardeni Bin Roslee, SMIEEE	<i>Title: Path Loss Models of 5G mmWave Communication System</i>
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PARALLEL SESSIONS 7

Parallel Session 7A: Mixed Topics

Room A

11.30-13.00	Firat Akin , Oktay Arian, Baris Kucukaydin	-88- FEM Based Air-Core Reactor Modelling for Series Inductor of SPRFCL
	Oana Rotaru , Silviu Vert, Radu Vasii	-95- Usability Evaluation of Requirement Collaboration Features in Requirements Management Tools
	Waseem Umer, Tayyeba Bashir , Javed Akram, Burhan Saqid, Ammara Naseem	-134- Exploring the Impact of Organizational and Cultural Environment on the Link between Green HRM Practices, Employee Engagement, and Organizational Performance
	Waseem Umer, Tayyeba Bashir, Javed Akram, Burhan Saqid, Ammara Naseem	-135- Exploring the Relationship between Green HRM and Employee Engagement
	Waseem Umer, Tayyeba Bashir, Javed Akram, Burhan Saqid, Ammara Naseem	-136- What are the primary Green HRM practices that Organizations use to ensure their long-term viability
	Mehdi Rhalem , Davide Pulizzotto, Anas Ramdani, Catherine Beaudry	-47- Comprehensive Monitoring of Large-Scale 5G Technology Development
	Esteve Hassan	-164- Novel Low Power System Design for Aviation Industrial Data Logger

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 7B: Robotics and Automation

Room B

11.30-13.00	Marin Zhilevski , Viktoriya Kolibanekova, Mikho Mikhov	-96- Coordination and Simulation of the Processing Modes in CNC Machining Centers
	Kocho Hrisafov	-106- Designing an Affordable Open-Source Automated Warehouse Control Center
	Igor Astrov	-112- A Model-Based PID Control of Turning Maneuver for Catamaran Autonomous Surface Vessel
	Nina Valchkova, Roman Zahariev , Plamen Raykov, Vasil Cvetkov	-125- Methodology for Designing a Collaborative Mobile Service Robot Based on Criteria for Researching its Functional Capabilities
	Vasil Cvetkov , Nina Valchkova, Roman Zahariev	-126- Methodology for Selection and Design of Sensor Systems for Mobile Service Robots
	Sikandar Khan	-147- Forward Kinematic Analysis of a Pick-and-Place Robot for Industrial Applications
	Casquero Zaidman Julio Cesar , Vasquez Torres Jair Anderson, Cristobal Gonzales Gabriel, Marin Yupanqui Carlos Antony, Castro Acurio Axel Franksua, Vargas Espinoza Yosselin Noelia	-151- Design and Development of a Scale Mobile Base Robotic Manipulator for Indoor Painting Application

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 7C: Antenna & Wave Propagation
Room C

11.30-13.00	Salim Nasar Faraj Mursal , Muhammad Abdul Rehman, Abdullah S Alwadie, Saif ur Rehman, Muhammad Irfan, Zohain Mushtaq, Sana Ullah Jan	-102- Design of Dual-Band Bandpass Filter for Effective Filtering in a Next-Generation Handheld Wireless Devices
	Raqia Samer Almusali , Dogu Cagdas Atilla	-110- RFT Based Efficient Broadband Chebyshev Filter Design of (K and Ka) Range
	Mohammad Marvasti , Alireza Ghayekhloo, Halim Boutayeb	-115- Parabolic Reflector Antenna Design to Generate Pure High Order Vortex Modes at 24 GHz
	Raqia Samer Almusali , Dogu Cagdas Atilla	-123- deband Chebyshev Bandpass Filter via RFT for RF2 (Ka and V) Bands and Communication Applications
	Mustafa Oudah Hani , Hajir Jasim, Dogu Atilla	-158- Design a Wideband Class-J Power Amplifier
	Mustafa Oudah Hani , Hajir Jasim, Dogu Atilla	-159- Design Continues Mode Inverse Class-F Power Amplifier
	Zahra Tavasolisirat , Bilel Mnasri, Alireza Ghayekhloo, Halim Boutayeb, Larbi Talbi	-116- Slot Antenna Array with Compact Feed based on a Substrate Integrated Fabry-Perot Cavity

BREAKFAST / LUNCH / DINNER/TEA BREAK



PARALLEL SESSIONS 8

Parallel Session 8A: Alternate Energy Systems, Smart Grids & Energy Management Room A

13.30-14.30	Sikandar Khan	-140- Exploring Renewable Energy Resources Using GIS
	Julio Cesar Casquero Zaidman , Gianpierre Reto Caycho, Sebastian Moron Larrea, Doris Esenarro	-150- Configuration of a Photovoltaic Plant for Green Hydrogen Generation at a University in Peru
	Doris Esenarro , Rosangela Brioso, Alisson Quinteros, Xiomara Haysanoha, Vanessa Raymundo	-149- Green infrastructure for the comfort of tourists in the Archaeological Center of Tipón, Cusco, Peru 2023
	Doris Esenarro Vargas , Ariana Arayho Gonzales, Prinsell Becerra Ocmin, Pablo Cobenas Nizama, Vanessa Raymundo Martinez	-152- Application of biophilia and enhancement of cultural identity in an artisan market - Wanchaq Cusco 2023

BREAKFAST / LUNCH / DINNER/TEA BREAK



Parallel Session 8B: Mixed Topics**Room B**

13.30-14.30	Muhammad Taseen , Wang Yongli	-58- Shining a Light on Collaboration: Enhancing Efficiency and Sustainability in Solar and Renewable Energy Supply Chains
	Muhammad Taseen , Wang Yongli	-61- Empowering Green Energy: Unlocking the Potential of Supply Chain Collaboration in Solar and Renewable Energy Sectors
	Dinh Do Van	-75- Control law and experimental results for the Switched Reluctance Machine
	Dong Ning	-77- Research on Cross-media Semantic Retrieval in Digital Library Based on Deep Learning

BREAKFAST / LUNCH / DINNER/TEA BREAK

Parallel Session 8C: Mixed Topics**Room B**

13.30-14.30	Waseem Umer, Tayyeba Bashir, Javed Akram, Burhan Saqid, Ammara Naseem	-137- The Impact of Green HRM Practices on Organizational Performance: A Comprehensive Analysis
	Ahmet Enis Işıktı , İlknur Köseoglu, Rahim Öner	-145- Fall Detection and Efficiency Enhancement via Wearable Technology
	Kristina Dineva, Tatiana Atanasova , Todor Balabanov, Dimitar Parvanov	-146- How to Process, Model and Apply Heterogeneous Data Obtained from the IoT
	Mike Teodorescu	-148- Multifunctional, IoT Enabled, Smart Portable Enclosures

BREAKFAST / LUNCH / DINNER/TEA BREAK**CLOSING SESSION****Session 00: Closing Session – Closing Remarks by Conference Chairs****Room A**

14.30-15.00	Best Paper Announcement Closing Remarks by Conference Chairs
<i>Thank you very much for your contributions.</i>	