Technical Program

IEEE SoutheastCon 2024

March 21-24, The Westin Peachtree Plaza, Atlanta, GA

"Engineering The Future"

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Virtual Conference Program

Main Conference Technical Program

Poster Sessions

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Virtual Conference Program
Via WebEx, March 16-17, 2024

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Saturday, March 16, 2024

	09:00 AM to 11:00 AM	11:00 AM to 01:00 PM	01:00 PM to 02:00 PM	02:00 PM to 04:00 PM	04:00 PM to 06:00 PM
Virtual Room 1	**Track 6** AI and Predictive Modeling (v1s1r1)	**Track 6** AI and Predictive Modeling (v1s2r1)	LUNCH	**Track 6** AI and Predictive Modeling (v1s3r1)	
Virtual Room 2		**Track 4** Signal and Image Processing (v1s2r2)		**Track 4** Signal and Image Processing (v1s3r2)	
Virtual Room 3	**Track 3** Computing Systems (v1s1r3)	**Track 3** Computing Systems (v1s2r3)		**Track 3** Computing Systems (v1s3r3)	
Virtual Room 4		**Track 2** Communications and Electromagnetics (v1s2r4)		**Track 2** Communications and Electromagnetics (v1s3r4)	

Sunday, March 17, 2024

	09:00 AM to 11:00 AM	11:00 AM to 01:00 PM	01:00 PM to 02:00 PM	02:00 PM to 04:00 PM	04:00 PM to 06:00 PM
Virtual Room 1	**Track 6** AI and Predictive Modeling (v2s1r1)	**Track 6** AI and Predictive Modeling (v2s2r1)	LUNCH	**Track 6** AI and Predictive Modeling (v2s3r1)	**Track 6** AI and Predictive Modeling (v2s4r1)
Virtual Room 2	**Track 5** Microelectronics, Devices and Sensors (v2s1r2)	**Track 5** Microelectronics, Devices and Sensors (v2s2r2)		**Track 7** Automation, Dynamical Systems and Controls (v2s3r2)	
Virtual Room 3	**Track 8** Engineering Education (v2s1r3)	**Track 9** General (v2s2r3)		**Track 9** General (v2s3r3)	
Virtual Room 4	**Track 1** Power and Energy Systems (v2s1r4)	**Track 1** Power and Energy Systems (v2s2r4)		**Track 1** Power and Energy Systems (v2s3r4)	

Track 1: Power and Energy Systems

Paper Number	Title	Session	Date	Time (EST)
1570979206	Development of Controllers for Compensating Misalignment in Vehicle-To-Vehicle Dynamic Wireless Charging System	v2s1r4	17-Mar	0900-0920
1570980861	Techno-Economic Analysis Framework for Potential EVCSs Using Data-Driven Approach	v2s1r4	17-Mar	0920-0940
1570981189	Intricate Anomaly Detection in Time Series by Caculating Shift of Non-Gaussianity	v2s1r4	17-Mar	0940-1000
1570981372	An Ensemble Learning Based Cyber Attack Detection Technique for BESS Integrated PV System	v2s1r4	17-Mar	1000-1020
1570984649	Field Experience in Traveling Wave Fault Locator Driven Early Warning System on Transmission Line	v2s2r4	17-Mar	1100-1120
1570988211	Analysis of Overvoltage and Backflashover with Different Transmission Line Models	v2s2r4	17-Mar	1120-1140
1570988233	Evaluation of Mixed Systems for Sheath Bonding of Single-Circuit Underground Power Lines	v2s2r4	17-Mar	1140-1200
1570988416	Comparison of Simulated and Measured Results of an SPWM-Adopted 24V DC-240 AC VSI Based on PSD and Ideal-Nonideal Traits	v2s2r4	17-Mar	1200-1220
1570988598	Graph Models of Electric Power Transmission Networks Using Synchrophasor Data	v2s3r4	17-Mar	1400-1420
1570988617	Development of a Solar Electric Vehicle Digital Twin	v2s3r4	17-Mar	1420-1440
1570989650	Artificial-Intelligence-Enabled Lifetime Estimation of Photovoltaic Systems Considering the Mission Profile of the DC--AC Inverter	v2s3r4	17-Mar	1440-1500

Track 2: Communications and Electromagnetics

Paper Number	Title	Session	Date	Time (EST)
1570980798	An Empirical Evaluation of the Constrained Application Protocol in ARM-Based Platforms	v1s2r4	16-Mar	1100-1120
1570986144	Joint User Grouping, UAV Deployment and Multicast Precoder Optimization in UAV-Enabled Networks	v1s2r4	16-Mar	1120-1140
1570987391	Beyond Words: Semantic Communication in the Metaverse	v1s2r4	16-Mar	1140-1200

1570981199	An Empirical Heterogenous Large and Short Frame Data Transmission Simulation in DSRC VANETs	v1s2r4	16-Mar	1200-1220
1570988555	Harnessing Modern Technological Advancements in Search and Rescue Missions	v1s3r4	16-Mar	1400-1420
1570988667	Towards a Secured, Interoperable, and Ethical Metaverse	v1s3r4	16-Mar	1420-1440
1570988886	Internet of Things-Enabled Vessel Monitoring System for Enhanced Maritime Safety and Tracking at Sea	v1s3r4	16-Mar	1440-1500

Track 3: Computing Systems

Paper Number	Title	Session	Date	Time (EST)
1570978869	5G and Beyond: On the Significance of Wireless Channel Estimation	v1s1r3	16-Mar	0900-0920
1570980403	Efficient GPU Implementation of Genetic Algorithm to Solve the Traveling Salesman Problem	v1s1r3	16-Mar	0920-0940
1570980791	Containers Unleashed: A Raspberry Pi Showdown Between Docker, Podman, and LXC/LXD	v1s1r3	16-Mar	0940-1000
1570981195	Optimizing Memory Access Efficiency in CUDA Kernel via Data Layout Technique	v1s1r3	16-Mar	1000-1020
1570981217	Cloud Services – Boon or Bane: A Comprehensive Review	v1s2r3	16-Mar	1100-1120
1570984614	Mapping Model and Heuristics for Accelerating Deep Neural Networks and for Energy-Efficient Networks-On-Chip	v1s2r3	16-Mar	1120-1140
1570988010	Designing, Implementing, and Evaluating a Municipal Water Quality Dashboard	v1s2r3	16-Mar	1140-1200
1570988648	Semantic Science: Publication Beyond the PDF	v1s3r3	16-Mar	1400-1420
1570988931	A Lightweight Multi-Factor Authentication and Privacy Preservation Protocol for Fleet Vehicles	v1s3r3	16-Mar	1420-1440
1570989885	Optimizing Data Retrieval from Secondary Storage with a Proactive Intermediate Cache	v1s3r3	16-Mar	1440-1500
1570987332	A Blockchain Smart Contract Framework Using Interpreted Programming Languages and Decentralized Storage	v1s3r3	16-Mar	1500-1520

Track 4: Signal and Image Processing

Paper Number	Title	Session	Date	Time (EST)
1570977178	Evaluating Feature Importance for Speaker Separation Models	v1s2r2	16-Mar	1100-1120
1570981202	Dirt with Flask: Image Processing for Soil Color	v1s2r2	16-Mar	1120-1140
1570983987	Using Time Series Encoders with Image Classifiers to Perform Modulation Recognition	v1s2r2	16-Mar	1140-1200
1570985680	Reliable and Expandable SPI Interface with BITE for Multichannel ADC	v1s2r2	45367	1200-1220
1570988399	Cesium Tiles for High-Realism Simulation and Comparing SLAM Results in Corresponding Virtual and Real-World Environments	v1s2r2	16-Mar	1220-1240
1570986803	Water Level Detection in Adverse Weather Conditions Using Security Cameras	v1s3r2	16-Mar	1400-1420
1570987251	Histogram Matching and Fusion for Effective Low-Light Image Enhancement	v1s3r2	16-Mar	1420-1440
1570989096	Spatial Processing with High-Fidelity Antenna-Element Models and Digitally Quantized Weights	v1s3r2	16-Mar	1440-1500

Track 5: Microelectronics, Devices and Sensors

Paper Number	Title	Session	Date	Time (EST)
1570980527	Enhanced IoT Water Quality Monitoring System for Data-Based Aquaculture	v2s1r2	17-Mar	0900-0920
1570980544	Finite Element Analysis of Super Ball Grid Array Packages Mounted in Printed Circuit Board	v2s1r2	17-Mar	0920-0940
1570980634	Accelerating CPU to Memory Access in SoC Architecture Design	v2s1r2	17-Mar	0940-1000
1570988347	Conductance Oscillations in Asymmetric Quantum Dot Structures	v2s1r2	17-Mar	1000-1020
1570981103	Temperature Dependent Schottky Contact Behavior of Iron (Fe) Doped $\beta - Ga2O3$	v2s2r2	17-Mar	1100-1120
1570985984	Integration of Consumer Electronics into a Pocket Penetrometer	v2s2r2	17-Mar	1120-1140

Paper Number	Title	Session	Date	Time (EST)
1570976782	Detection and Suppression of Parkinson's Disease Tremors Using Soft Robotics	v2s2r2	17-Mar	1140-1200

Track 6: AI and Predictive Modeling

Paper Number	Title	Session	Date	Time (EST)
1570984846	On the Impact of Measurements on Location Estimation Using Sensors Fusion	v1s1r1	16-Mar	0900-0920
1570985633	Smart Streaming: Deep Learning Applications in Video Streaming Optimization	v1s1r1	16-Mar	0920-0940
1570985939	Feature Selection in High-Dimensional Space with Applications to Gene Expression Data	v1s1r1	16-Mar	0940-1000
1570988559	SINBAD Origins of Contextually-Guided Feature Learning: Self-Supervision with Local Context for Target Detection	v1s1r1	16-Mar	1000-1020
1570987344	Enhancing Sentiment Analysis in Amharic: Leveraging Transformer-Based Language Model for Low-Resource African Languages	v1s2r1	16-Mar	1100-1120
1570987376	Requirements Verification Through the Analysis of Source Code by Large Language Models	v1s2r1	16-Mar	1120-1140
1570987494	Enhancing Rare Object Detection in AI: Leveraging Synthetic Data for Improved Model Training	v1s2r1	16-Mar	1140-1200
1570987523	FACO: A Novel Hybrid Feature Selection Algorithm for High-Dimensional Data Classification	v1s2r1	16-Mar	1200-1220
1570987764	Application of a Neural Network to Computing the Stress Fields in a Bridge Cross-Section	v1s2r1	16-Mar	1220-1240
1570987966	ChatGPT Based ChatBot Application	v1s3r1	16-Mar	1400-1420
1570988464	Transforming Daily Tasks for Visually Impaired Seniors: Leveraging an OpenAI Model-Enhanced Multimodal Dialogue System with Speech Recognition in POF Smart Homes	v1s3r1	16-Mar	1420-1440
1570988536	Improved Operation Forecasting of Air Blowers in a Wastewater Treatment Plant via Machine Learning-Based Models	v1s3r1	16-Mar	1440-1500
1570987214	Deep Reinforcement Learning-Based VM Migration for IoT Security	v1s3r1	16-Mar	1500-1520
1570979301	From Words to Action: Sentiment Analysis on Sustainability Initiatives	v1s4r1	16-Mar	1600-1620
1570981109	The Future of Feelings: Leveraging Bi-LSTM, BERT with Attention, Palm V2 & Gemini Pro for Advanced Text-Based Emotion Detection	v1s4r1	16-Mar	1620-1640

1570989082	A Unified Approach with IoT Vehicle Monitoring: Revolutionizing Road Safety	v1s4r1	16-Mar	1640-1700
1570989977	System Identification of Turbomachinery Sensor Signals via Machine Learning Classification and Batch Regressive Least-Squares	v1s4r1	16-Mar	1700-1720
1570988861	Ag-AI: A Dynamic AI Engine for Agriculture	v1s4r1	16-Mar	1720-1740
1570979186	Towards a Multi-Sensor Paradigm for High Resolution Infant Activity Classification	v2s1r1	17-Mar	0900-0920
1570979231	Neural Operator Prediction of the Stress Distribution Within Coastal Cliffs Due to Ocean Wave Action	v2s1r1	17-Mar	0920-0940
1570988584	Prediction of Watershed Flow Behavior from Rainfall Events Using Machine Learning	v2s1r1	17-Mar	0940-1000
1570980236	Invariant Features for Accurate Predictions of Quantum Chemical UV-Vis Spectra of Organic Molecules	v2s1r1	17-Mar	1000-1020
1570980392	Breast Cancer Treatment Expert System	v2s1r1	17-Mar	1020-1040
1570980408	BERT-Driven Automation in Electronic Health Record Management System	v2s2r1	17-Mar	1100-1120
1570980566	Physics Informed Neural Network for Solving the Shallow Water Equations on Grids of Arbitrary Geometry	v2s2r1	17-Mar	1120-1140
1570980573	Unleashing the Potential of Custom Chat Generative Pre-Trained Transformer and Inordinately Deep Neural Networks in Pneumonia Diagnosis	v2s2r1	17-Mar	1140-1200
1570988695	Robust Network Anomaly Detection with K-Nearest Neighbors (KNN) Enhanced Digital Twins	v2s2r1	17-Mar	1200-1220
1570980804	Discovering Command and Control (C2) Channels on Tor and Public Networks Using Reinforcement Learning	v2s2r1	17-Mar	1220-1240
1570988623	CausalBO: A Python Package for Causal Bayesian Optimization	v2s2r1	17-Mar	1240-1300
1570981098	Evaluation of Traffic Signal Scheduling Methods Based on Turning Movement Count	v2s3r1	17-Mar	1400-1420
1570989909	Privacy-Preserving Backdoor Attacks Mitigation in Federated Learning Using Functional Encryption	v2s3r1	17-Mar	1420-1440
1570981125	Transformative Potentials and Ethical Considerations of AI Tools in Higher Education: Case Studies and Reflections	v2s3r1	17-Mar	1440-1500
1570981143	Scaling Properties for Artificial Neural Network Models of a Small Nervous System	v2s3r1	17-Mar	1500-1520
1570981169	Neural Network-Based Prediction Modeling for External Labeling	v2s3r1	17-Mar	1520-1540

Paper Number	Title	Session	Date	Time (EST)
1570989912	Navigating the AI Wave in Martech: A Systematic Literature Review of Developments, Challenges, and Ethics	v2s4r1	17-Mar	1600-1620
1570981196	Sarcasm Through the Looking Glass: Multi-Domain Analysis for Improved Detection	v2s4r1	17-Mar	1620-1640
1570981210	Reduce Cyber Value at Risk Through AI-Enabled Anomaly Detection	v2s4r1	17-Mar	1640-1700
1570983278	Low-Complexity Low-Memory VGG Models for Accurate Diagnosis of Breast Cancer	v2s4r1	17-Mar	1700-1720
1570980777	Synthetic Data Creation for ML/AL Model Training	v2s4r1	17-Mar	1720-1740
1570981716	AI-Enabled RF-Sensing for Radar Detection of Body-Worn IEDs	v2s4r1	17-Mar	1740-1800

Track 7: Automation, Dynamical Systems and Controls

Paper Number	Title	Session	Date	Time (EST)
1570984838	Design of a Miniature Underwater Vehicle and Data Collection System for Indoor Experimentation	v2s3r2	17-Mar	1440-1500
1570981074	Designing a Set of Stabilizing Controllers Using D-Decomposition for the System Described by a Generalized Bode Envelope	v2s3r2	17-Mar	1420-1440
1570988287	GPU-Accelerated 3D Polygon Visibility Volumes for Synergistic Perception and Navigation	v2s3r2	17-Mar	1500-1520
1570939196	Behavior-Based Communication-Aware Formation Control in Dynamic Multi-Agent Systems for Jamming Detection and Avoidance	v2s3r2	17-Mar	1400-1420
1570988569	Design and Flight Demonstration of a Quadrotor for Urban Mapping and Target Tracking Research	v2s3r2	17-Mar	1520-1540

Track 8: Engineering Education

Paper Number	Title	Session	Date	Time (EST)
1570981971	Teaching Computational Math and Introducing Machine Learning to Electrical Engineering Students at an Emerging Hispanic Serving Institution	v2s1r3	17-Mar	0900-0920
1570986847	Examining the Indirect Impact of Information and System Quality on the Overall Educators' Use of E-Learning Tools: A PLS-SEM Analysis	v2s1r3	17-Mar	0920-0940
1570989602	Enhancing Learning Through Post-Exam Review: A Case Study on Collaborative Coding Assessments	v2s1r3	17-Mar	0940-1000

Track 9: General

Paper Number	Title	Session	Date	Time (EST)
1570981186	Insights into Information-Seeking Behavior in Hearing-Loss Treatment	v2s2r3	17-Mar	1100-1120
1570982048	UVM-Based Design and Verification of AHB-Lite to AXI Bridge	v2s2r3	17-Mar	1120-1140
1570985545	What's on the Menu: Blockchain as a Real-Time Logistics Tool in Student Markets	v2s2r3	17-Mar	1140-1200
1570988586	A Study on Password Protection and Encryption in the Era of Cyber Attacks	v2s2r3	17-Mar	1200-1220
1570988665	Understanding of Cyber-Attack Vulnerabilities During Natural Disasters and Discussing A Cyber-Attack Resiliency Framework	v2s2r3	17-Mar	1220-1240
1570988577	The Pulse of Fileless Cryptojacking Attacks: Malicious PowerShell Scripts	v2s3r3	17-Mar	1400-1420
1570988610	Experimental Characterization of Plastic Optical Fibers for Under- and Over-Filled Injections	v2s3r3	17-Mar	1420-1440
1570988614	A Novel Optical Test Bed for Measuring the Light Transmission Properties of Plastic Optical Fiber Under Bending	v2s3r3	17-Mar	1440-1500
1570989642	Platform for Information Sharing, Prioritization, and Aggregation for Firefighters and Incident Command	v2s3r3	17-Mar	1500-1520
1570980569	Gesture-Guided Exosuit Interface: Advancing Motion Tracking and Automation for Robotic Control	v2s3r3	17-Mar	1520-1540

Main Conference Technical Program

March 22-23, 2024, The Westin Peachtree Plaza, Atlanta, GA

Program for the main in-person technical conference.

Click to go to track:

Friday, March 22, 2024						
	09:00 AM to 10:30 AM	10:25 AM to 10:40 AM	10:40 AM to 12:00 PM	12:00 PM to 02:00 PM	02:00 PM to 03:30 PM	03:30 PM to 05:00 PM
Piedmont 1	**Track 6** AI and Predictive Modeling (d1s1p1)	Coffee Break	**Track 6** AI and Predictive Modeling (d1s2p1)	LUNCH		
Piedmont 2	**Track 7** Automation, Dynamical Systems and Controls (d1s1p2)		**Track 7** Automation, Dynamical Systems and Controls (d1s2p2)			
Piedmont 3	**Track 8** Engineering Education (d1s1p3)					**IEEE HKN Presentations**
Piedmont 4	**Track 4** Signal and Image Processing (d1s1p4)		**Track 4** Signal and Image Processing (d1s2p4)			
Piedmont 5	**Track 2** Communications and Electromagnetics (d1s1p5)		**Track 2** Communications and Electromagnetics (d1s2p5)		**Track 2** Communications and Electromagnetics (d1s3p5)	
Piedmont 6	**Track 1** Power and Energy Systems (d1s1p6)					
Piedmont 7	**Track 9** General (d1s1p7)		**Track 9** General (d1s2p7)		**Track 9** General (d1s3p7)	
Piedmont 8	**Track 6** AI and Predictive Modeling (d1s1p8)		**Track 6** AI and Predictive Modeling (d1s2p8)		**Track 6** AI and Predictive Modeling (d1s3p8)	

Saturday, March 23, 2024

	09:00 AM to 10:30 AM	10:25 AM to 10:40 AM	10:40 AM to 12:00 PM	12:00 PM to 02:00 PM	02:00 PM to 03:30 PM	03:30 PM to 05:00 PM
Piedmont 1	Track 6 AI and Predictive Modeling (d2s1p1)		Track 6 AI and Predictive Modeling (d2s2p1)			
Piedmont 2	Track 7 Automation, Dynamical Systems and Controls (d2s1p2)		Track 7 Automation, Dynamical Systems and Controls (d2s2p2)			
Piedmont 3	Track 5 Microelectronics, Devices and Sensors (d2s1p3)	Coffee Break	Track 5 Microelectronics, Devices and Sensors (d2s2p3)	LUNCH	Track 5 Microelectronics, Devices and Sensors (d2s3p3)	
Piedmont 4	Track 4 Signal and Image Processing (d2s1p4)		Track 4 Signal and Image Processing (d2s2p4)			
Piedmont 5	Track 3 Computing Systems (d2s1p5)		Track 3 Computing Systems (d2s2p5)		Track 3 Computing Systems (d2s3p5)	
Piedmont 6	Track 1 Power and Energy Systems (d2s1p6)		Track 1 Power and Energy Systems (d2s2p6)			
Piedmont 7	Track 9 General (d2s1p7)		Track 9 General (d2s2p7)		Track 9 General (d2s3p7)	
Piedmont 8	Track 6 AI and Predictive Modeling (d2s1p8)		Track 6 AI and Predictive Modeling (d2s2p8)			

Track 1: Power and Energy Systems

Paper Number	Title	Session	Room	Date	Time (EST)
1570978567	Power Oscillation Damping of a Wind Turbine Generation with Battery Energy to Smoothen Power System Stability	d1s1p6	Piedmont 6	22-Mar	0900-0920
1570979233	Utilizing Battery Energy Storage Systems to Enhance the Integration of Photovoltaic Systems for Damping Oscillations	d1s1p6	Piedmont 6	22-Mar	0920-0940
1570980255	Thermal Analysis of Water-Cooled Totally Enclosed Non-Ventilated Induction Motor	d1s1p6	Piedmont 6	22-Mar	0940-1000
1570980783	Data-Driven Enhancement of Power System Disturbance Magnitude Estimation: Integrating Two-Beta and RoCoF Methods	d1s1p6	Piedmont 6	22-Mar	1000-1020
1570980857	A Transient Thermal Model for Power Electronics Systems	d2s1p6	Piedmont 6	23-Mar	0900-0920
1570981212	Impact Assessment of Inverter-Based Resource Integration on Circuit Breaker Arc Extinction	d2s1p6	Piedmont 6	23-Mar	0920-0940

Paper Number	Title	Session	Room	Date	Time (EST)
1570983172	A Novel Energy-Efficient Regenerative Braking System for Electric Vehicles	d2s1p6	Piedmont 6	23-Mar	0940-1000
1570983425	A Research Testbed for Protection, Automation, and Cyber-Security of Digital Substations	d2s1p6	Piedmont 6	23-Mar	1000-1020
1570988279	Implementing a Hardware Testbed Using 3-Level ANPC Software Defined Inverters for Fault Analysis of a Transmission Network	d2s2p6	Piedmont 6	23-Mar	1020-1040
1570983694	Switching Transient Induced Skin Effect in Packet Energy Transfer Systems	d2s2p6	Piedmont 6	23-Mar	1040-1100
1570988556	Design of Power Conversion System for Pulsed Power Applications of SMES	d2s2p6	Piedmont 6	23-Mar	1100-1120
1570988615	Master-Slave and Peer-To-Peer Simulation Using PSCAD/EMTDC	d2s2p6	Piedmont 6	23-Mar	1120-1140
1570987614	Rapid Control Prototyping Platform for Grid Connected Electrical Energy Conversion Systems	d2s3p6	Piedmont 6	23-Mar	1400-1420
1570989582	Economic and Environmental Analysis of a Stand-Alone Microgrid Integrating Hybrid PVBSS for Electric Vehicle Charging	d2s3p6	Piedmont 6	23-Mar	1420-1440

Track 2: Communications and Electromagnetics

Paper Number	Title	Session	Room	Date	Time (EST)
1570979194	Performance of A Selective Amplify-And-Forward Scheme for Two-Users with Two-Relays in Rayleigh Fading	d1s1p5	Piedmont 5	22-Mar	0900-0920
1570980755	Impedance Measurement of a Chip-Based Passive UHF RFID Sensor Transponder	d1s1p5	Piedmont 5	22-Mar	0920-0940
1570980772	Developing A Channel Emulation System for Networked Autonomous Vehicles	d1s1p5	Piedmont 5	22-Mar	0940-1000
1570980850	In-Lab Implementation of DSRC PHY Layer	d1s1p5	Piedmont 5	22-Mar	1000-1020
1570981229	Expediting Lunar Exploration: A Study of 5G mmWave Communications for Upcoming Human Missions on the Moon – Relationship Between Transmit Power, Antenna Height, and Pathloss Exponent	d1s2p5	Piedmont 5	22-Mar	1040-1100
1570982438	Enhancing Permittivity of 3D Printing Filaments via Nanocompounding for Electromagnetic Applications	d1s2p5	Piedmont 5	22-Mar	1100-1120
1570984938	A Circuit Model for the Interaction of an RF Impedance Probe with Ionospheric Plasmas in the E-Layer and F-Layer Ionosphere Regions	d1s2p5	Piedmont 5	22-Mar	1120-1140

Paper Number	Title	Session	Room	Date	Time (EST)
1570985603	A Framework for Classifying Applications from Raw Network Traffic Traces	d1s2p5	Piedmont 5	22-Mar	1140-1200
1570985661	Peak to Average Power Ratio Estimation and Analysis in OTFS 6G Waveform by Using Selective Mapping Algorithm	d1s3p5	Piedmont 5	22-Mar	1400-1420
1570988524	Simultaneous RSSI Path Loss Model Calibration and Localization Using Genetic Algorithms	d1s3p5	Piedmont 5	22-Mar	1420-1440
1570988603	Comprehensive Performance Evaluation of Transmission Modes in LTE	d1s3p5	Piedmont 5	22-Mar	1440-1500
1570988632	Performance Evaluation of Routing Protocols for UAV-Assisted Post-Disaster Communication Networks	d1s3p5	Piedmont 5	22-Mar	1500-1520
1570988678	RF Link Margin Analysis for a Typical Space Launch from CCSFS	d1s3p5	Piedmont 5	22-Mar	1520-1540

Track 3: Computing Systems

Paper Number	Title	Session	Room	Date	Time (EST)
1570953277	Symmetric Overloaded Reduced Instruction Set Architecture (SORA)	d2s1p5	Piedmont 5	23-Mar	0900-0920
1570973445	Analyzing Various Machine Learning Approaches for Detecting Android Malware	d2s1p5	Piedmont 5	23-Mar	0920-0940
1570979014	BeeVis: A Comprehensive Honey Bee Data Visualization, Exploration, and Analysis System	d2s1p5	Piedmont 5	23-Mar	0940-1000
1570979216	Securing the Future: A Comprehensive Review of Post-Quantum Cryptography and Emerging Algorithms	d2s1p5	Piedmont 5	23-Mar	1000-1020
1570980011	Connected Vehicle Security: Overview of Risks and Mitigation Strategies	d2s2p5	Piedmont 5	23-Mar	1040-1100
1570980811	Application-Level Checkpoint/Restart for Large-Scale Attack and Compliance Graphs	d2s2p5	Piedmont 5	23-Mar	1100-1120
1570981185	Transfer Learning for P300 Speller: A Data Alignment Approach for Cross-Subject P300 Data	d2s2p5	Piedmont 5	23-Mar	1120-1140
1570984369	Gradient-Based Nash Equilibrium with Delayed Information in Multi-Objective System Optimization	d2s2p5	Piedmont 5	23-Mar	1140-1200
1570984870	A Taxonomy of Side-Channels	d2s3p5	Piedmont 5	23-Mar	1400-1420
1570986805	A Low-Power IoT-Based Smart Desk Integrated with a Classroom Response System	d2s3p5	Piedmont 5	23-Mar	1420-1440

Paper Number	Title	Session	Room	Date	Time (EST)
1570987332	A Blockchain Smart Contract Framework Using Interpreted Programming Languages and Decentralized Storage	d2s3p5	Piedmont 5	23-Mar	1440-1500
1570987528	Extending the Update Framework (TUF) for Industrial Control System Applications	d2s3p5	Piedmont 5	23-Mar	1500-1520
1570988607	Towards a Security Analysis of Radiological Medical Devices Using the MITRE ATT&CK Framework	d2s3p5	Piedmont 5	23-Mar	1520-1540
1570988239	A Novel Approach to Detecting and Mitigating Keyloggers	d2s3p5	Piedmont 5	23-Mar	1540-1600

Track 4: Signal and Image Processing

Paper Number	Title	Session	Room	Date	Time (EST)
1570972534	Enhancing Low-Light Images with a Lightweight CNN-Based Visual AI Approach	d1s1p4	Piedmont 4	22-Mar	0900-0920
1570980106	Examining Brainwave Patterns in Response to Familiar Music: An EEG and Machine Learning Approach	d1s1p4	Piedmont 4	22-Mar	0920-0940
1570980128	Spectral Characterization of Clock Timing Jitter	d1s1p4	Piedmont 4	22-Mar	0940-1000
1570980596	Offline Optimization of Filter Bank Canonical Correlation Analysis for SSVEP Classification	d1s1p4	Piedmont 4	22-Mar	1000-1020
1570981093	Steganography Applications – Encoding Medical Records Within Medical Images	d1s2p4	Piedmont 4	22-Mar	1040-1100
1570986057	Searching for Functional Neuromarkers of Multiple Sclerosis: A Geodesic Distance-Based Framework on Riemannian Manifolds of Brain Connectivity	d1s2p4	Piedmont 4	22-Mar	1100-1120
1570986174	A Simple Multi-Scale Gradient Flow-Based Subspace Reconstruction	d1s2p4	Piedmont 4	22-Mar	1120-1140
1570986834	How Eye Blink Affects the Recognition Performance of Traditional Off-Angle Iris Images	d2s1p4	Piedmont 4	23-Mar	0900-0920
1570987323	License Plate Image Resolution Enhancement Using Super-Resolution Generative Adversarial Network	d2s1p4	Piedmont 4	23-Mar	0920-0940
1570987435	Scanning Acoustic Microscopy for 3D Print Quality Control	d2s1p4	Piedmont 4	23-Mar	0940-1000
1570988382	Blink Detection for Off-Angle Iris Recognition Using Deep Learning	d2s1p4	Piedmont 4	23-Mar	1000-1020
1570988611	Enhancing P300 Feature Extraction Through MultiScale Separable Convolution	d2s2p4	Piedmont 4	23-Mar	1040-1100

Paper Number	Title	Session	Room	Date	Time (EST)
1570988618	Vector-Quantization Variational Autoencoder Based Data Rate Reduction for Wireless Ultrasound Imaging Systems	d2s2p4	Piedmont 4	23-Mar	1100-1120

Track 5: Microelectronics, Devices and Sensors

Paper Number	Title	Session	Room	Date	Time (EST)
1570980423	Fractional-Order Immitance Converter (FGIC44) Performance Using Wideband Fractional-Order Element Seeds	d2s1p3	Piedmont 3	23-Mar	0900-0920
1570980425	Influence and Algorithmic Suppression of Parasitic Capacitance of the R-C-NR Layer Contacts in Thick-Film Fractional-Order Capacitor	d2s1p3	Piedmont 3	23-Mar	0920-0940
1570980430	Emulation of Fractional-Order Impedance with $\alpha = 0.5$ Using MOSFET Revised RC-Ladder Topology	d2s1p3	Piedmont 3	23-Mar	0940-1000
1570981213	Fatigue Analysis in Assembly Line Workers Using Brain Computer Interface	d2s1p3	Piedmont 3	23-Mar	1000-1020
1570986849	A Fully Adaptive Electromagnetic Suspension System for Vehicles	d2s2p3	Piedmont 3	23-Mar	1040-1100
1570986857	Optimizing Educational Spaces: Achieving Optimal Thermal Comfort, Occupancy Precision, and Energy Efficiency Through the Integration of IoT Sensor Technology and Fuzzy Logic Control	d2s2p3	Piedmont 3	23-Mar	1100-1120
1570988347	Conductance Oscillations in Asymmetric Quantum Dot Structures	d2s2p3	Piedmont 3	23-Mar	1120-1140
1570988595	Complete Design of Energy Harvesting System for Multiband Operation	d2s3p3	Piedmont 3	23-Mar	1400-1420
1570988674	Monitoring Spatial Variability of Soil Moisture in an Orchard Using an IoT Sensor Technology	d2s3p3	Piedmont 3	23-Mar	1420-1440
1570989667	A Novel 0.04 pJ/Bit Dynamic TRNG Using Bit Reconfigurable Ring Oscillators	d2s3p3	Piedmont 3	23-Mar	1440-1500

Track 6: AI and Predictive Modeling

Paper Number	Title	Session	Room	Date	Time (EST)
1570974425	Influence of Dam Spill Flow on Downstream River Water Temperatures	d1s1p1	Piedmont 1	22-Mar	0900-0920
1570976665	Action Recognition Systems and Deep Learning Applications in Smart City	d1s1p1	Piedmont 1	22-Mar	0920-0940
1570978288	Explicit Model Memorisation to Fight Forgetting in Time-Series Prediction	d1s1p1	Piedmont 1	22-Mar	0940-1000

1570980149	Enhancing Prosthetic Hand Control: A Study on IMU Sensor-Based Machine Learning for Precise Hand Orientation Classification	d1s1p1	Piedmont 1	22-Mar	1000-1020
1570980780	Machine Learning Fusion Model Approach for the Real-Time Detection of Head Gestures Using IMUs	d1s2p1	Piedmont 1	22-Mar	1040-1100
1570980807	Human-Centered Artificial Intelligence to Assist Domestic Abuse Recovery: Design Recommendations for Building Resilience to Coercive Control Through Enhanced Situation Awareness of Cognitive Attacks	d1s2p1	Piedmont 1	22-Mar	1100-1120
1570980889	Training a Neural Network to Perform Sentiment Analysis of Stocks-Related Tweets	d1s2p1	Piedmont 1	22-Mar	1120-1140
1570980890	Beyond Sequence: A Novel Image-Based Model for MicroRNA Target Prediction	d1s2p1	Piedmont 1	22-Mar	1140-1200
1570986301	Bee Traffic Estimation with YOLO and Optical Flow	d1s2p1	Piedmont 1	22-Mar	1200-1220
1570980372	Using Convolutional Neural Networks for Nutrient Deficiency Detection and Classification in Strawberry Plants	d1s1p8	Piedmont 8	22-Mar	0900-0920
1570980553	WCAM: Wavelet Convolutional Attention Module	d1s1p8	Piedmont 8	22-Mar	0920-0940
1570980736	Malware Classification Using Machine Learning	d1s1p8	Piedmont 8	22-Mar	0940-1000
1570980779	Exploring Dependence of Subject-Specific Training Strategies for EEG Based Brain-Computer Interfaces	d1s1p8	Piedmont 8	22-Mar	1000-1020
1570981053	FaceSensor-ID: A High Precision Approach on Multi-Spectral (Visible and NIR) Camera Sensor Origin Identification	d1s2p8	Piedmont 8	22-Mar	1040-1100
1570984391	Detecting APT Using Machine Learning: Comparative Performance Analysis with Proposed Model	d1s2p8	Piedmont 8	22-Mar	1100-1120
1570984855	Effectiveness of Image-Based Deep Learning on Token-Level Software Vulnerability Detection	d1s2p8	Piedmont 8	22-Mar	1120-1140
1570985882	Applying Deep Reinforcement Learning to Train AI Agents in a Wargaming Framework	d1s3p8	Piedmont 8	22-Mar	1400-1420
1570986002	Towards Modeling Underground Soil Radon Gas Emanation	d1s3p8	Piedmont 8	22-Mar	1420-1440
1570986395	Enriching 3D Object Detection in Autonomous Driving for Emergency Scenarios: Leveraging Point Cloud Data with CARLA Simulator for Automated Annotation of Rare 3D Objects	d1s3p8	Piedmont 8	22-Mar	1440-1500
1570986830	Exploring Image Augmentation Methods for Long-Distance Face Recognition Using Deep Learning	d1s3p8	Piedmont 8	22-Mar	1500-1520
1570986904	Statistical Analysis of Substorm Events Using the WINDMI Model	d1s3p8	Piedmont 8	22-Mar	1520-1540

1570987466	Impact of Agile Methodology in IT Industries: A Comparative Study	d2s1p1	Piedmont 1	23-Mar	0900-0920
1570987510	Warehouse Robot Detection for Human Safety Using YOLOv8	d2s1p1	Piedmont 1	23-Mar	0920-0940
1570987882	A New Method to Predict Happiness Index Using Tweets	d2s1p1	Piedmont 1	23-Mar	0940-1000
1570988496	A Human Information Processing Approach to Derivation of Human Intent for Mobile Robots Operating in Dynamic Environments	d2s1p1	Piedmont 1	23-Mar	1000-1020
1570988580	A Retrospective Engineering Analysis of Human-AI Teams Using the Sidekick Principles	d2s2p1	Piedmont 1	23-Mar	1040-1100
1570988591	Its All About Context	d2s2p1	Piedmont 1	23-Mar	1100-1120
1570988623	CausalBO: A Python Package for Causal Bayesian Optimization	d2s2p1	Piedmont 1	23-Mar	1120-1140
1570988639	Use of Large Language Model Embeddings to Predict Research Topic Suitability Based on Organizational Capabilities	d2s2p1	Piedmont 1	23-Mar	1140-1200
1570988651	Real-Time Tracking of Misdiagnosis in Electronic Health Records for Improved Predictive Modeling	d2s1p8	Piedmont 8	23-Mar	0900-0920
1570988655	RB-XAI: Relevance-Based Explainable AI for Traffic Perception in Autonomous Systems	d2s1p8	Piedmont 8	23-Mar	0920-0940
1570988675	Hue-Tiful Privacy: Impact of Color Correction on Privacy Preserving Techniques	d2s1p8	Piedmont 8	23-Mar	0940-1000
1570988839	Spiking-Transformer Optimization on FPGA for Image Classification and Captioning	d2s1p8	Piedmont 8	23-Mar	1000-1020
1570988874	Clutter Classification Using Deep Learning in Multiple Stages	d2s2p8	Piedmont 8	23-Mar	1040-1100
1570989600	Empowering Healthcare Through Privacy-Preserving MRI Analysis	d2s2p8	Piedmont 8	23-Mar	1100-1120
1570989649	A Comprehensive Analysis of Speech Depression Recognition Systems	d2s2p8	Piedmont 8	23-Mar	1120-1140
1570989668	Employing Machine Learning for the Prediction of Antimicrobial Resistance (AMR) Phenotypes	d2s2p8	Piedmont 8	23-Mar	1140-1200
1570985172	Assessing the Rigor of Machine Learning in Physiological Signal Processing Applications	d2s2p8	Piedmont 8	23-Mar	1200-1220

Track 7: Automation, Dynamical Systems and Controls

Paper Number	Title	Session	Room	Date	Time (EST)
1570980154	Design and PID Control of Tendon-Driven Continuum Robot for Finger Rehabilitation	d1s1p2	Piedmont 2	22-Mar	0900-0920
1570980754	From AI to AGI: The Evolution of Real-Time Systems with GPT Integration	d1s1p2	Piedmont 2	22-Mar	0920-0940
1570982968	A Novel Zero-Trust Machine Learning Green Architecture for Healthcare IoT Cybersecurity: Review, Analysis, and Implementation	d1s1p2	Piedmont 2	22-Mar	0940-1000
1570988564	Persistent Coverage Control of Large-Scale Domains Using Multi-Agent Systems with Anisotropic Sensors	d1s1p2	Piedmont 2	22-Mar	1000-1020
1570987389	Cyberattack Detection and Detector Limitations for Stochastic Processes	d1s2p2	Piedmont 2	22-Mar	1040-1100
1570988316	Quaternion-Based Kinematic Modeling and Control for Differential Drive Mobile Robots	d1s2p2	Piedmont 2	22-Mar	1100-1120
1570988396	A Model-Free Optimal Control Method	d1s2p2	Piedmont 2	22-Mar	1120-1140
1570989597	How to Swarm: Entropy-Based Model Parameter Analysis	d1s2p2	Piedmont 2	22-Mar	1140-1200
1570988589	Development of Novel Stewart Robot Equipped with 3D Printed Soft Actuators	d1s2p2	Piedmont 2	22-Mar	1200-1220
1570988503	Solving the Farmer's Dilemma with FlexBE Using GR(1) Synthesis	d2s1p2	Piedmont 2	23-Mar	0900-0920
1570988558	Optimal Control with Low Sensitivity to Sampling Period Uncertainty	d2s1p2	Piedmont 2	23-Mar	0920-0940
1570988560	Security of Connected and Autonomous Vehicles: A Review of Attacks and Mitigation Strategies	d2s1p2	Piedmont 2	23-Mar	0940-1000
1570987388	Type-1 Fuzzy Controller for Blood Glucose Regulation in Type-1 Diabetic Patients	d2s1p2	Piedmont 2	23-Mar	1000-1020
1570988612	Multi-Joint Adaptive Motion Imitation in Robot-Assisted Physiotherapy with Dynamic Time Wrapping and Recurrent Neural Networks	d2s2p2	Piedmont 2	23-Mar	1040-1100
1570988661	Least-Squares Inversion of Linear Discrete-Time Systems for Trajectory-Tracking Control	d2s2p2	Piedmont 2	23-Mar	1100-1120
1570988676	Design and Integration of a Multi-Sensor System for Enhanced Indoor Autonomous Navigation	d2s2p2	Piedmont 2	23-Mar	1120-1140
1570988471	Application of Optimal Control to Flexible SATCOM Terminal Management	d2s2p2	Piedmont 2	23-Mar	1140-1200

Track 8: Engineering Education

Paper Number	Title	Session	Room	Date	Time (EST)
1570979792	A Vertically Integrated Projects Model for Multi-Institution and Multi-Discipline Undergraduate Research in Radio Frequency AI/ML	d1s1p3	Piedmont 3	22-Mar	0900-0920
1570986385	Optimizing HVAC Efficiency via Deep Neural Networks for Real-Time Classroom Occupancy	d1s1p3	Piedmont 3	22-Mar	0920-0940
1570986864	A Modular Control Lab Equipment and Virtual Simulations for Engineering Education	d1s1p3	Piedmont 3	22-Mar	0940-1000
1570987325	Embedded Project Organization and Management for Multi-Target Build and Selective Code Delivery	d1s1p3	Piedmont 3	22-Mar	1000-1020
1570988605	Development of an Integrated ECE Undergraduate and Cybersecurity Graduate Program at Mercer University	d1s1p3	Piedmont 3	22-Mar	1020-1040

Track 9: General

Paper Number	Title	Session	Room	Date	Time (EST)
1570961464	In-Situ Analysis of Vibration and Acoustic Data in Additive Manufacturing	d1s1p7	Piedmont 7	22-Mar	0900-0920
1570977522	Decoding Driving Neural Dynamics: An Exploratory Survey of EEG Applications in Unraveling Cognitive Processes in Virtual Reality Environments	d1s1p7	Piedmont 7	22-Mar	0920-0940
1570979861	On Optimal Biofeedback Parameters for Heart Rate Variability Improvement Using Breathing Entrainment	d1s1p7	Piedmont 7	22-Mar	0940-1000
1570979993	Data Collection, Heat Map Generation for Crack Detection Using Robotic Dog Fused with FLIR Sensor	d1s1p7	Piedmont 7	22-Mar	1000-1020
1570979996	Design and Implementation of a Cost-Effective Semi-Autonomous Scissor Lift Robot for Industrial Material Handling	d1s2p7	Piedmont 7	22-Mar	1040-1100
1570980187	Cyberattacks and Cybersecurity in Additive Manufacturing	d1s2p7	Piedmont 7	22-Mar	1100-1120
1570980405	Enhancing Accessibility and Affordability of Mobile Robotic Platforms Through MMATR: A Modular Machine-Learning Autonomous Trainable Rover	d1s2p7	Piedmont 7	22-Mar	1120-1140
1570980424	Fractional-Order Equivalent Circuit Representation of Kohlrabi Tissue Samples	d1s2p7	Piedmont 7	22-Mar	1140-1200
1570980426	Exploring the Effect of Electrode Material on the Electrical Impedance of Liquid Samples	d1s3p7	Piedmont 7	22-Mar	1400-1420

1570980428	Optimizing Data Capture Through Object Recognition for Efficient Sensor and Camera Management with a Quadruped Robot	d1s3p7	Piedmont 7	22-Mar	1420-1440
1570980765	Towards Modelling Artificial Intelligence Parsing Documents for Cyber-Policing Data Protection and Privacy Environments Using Privacy Impact Assessments and Data Protection Impact Assessment Questionn	d1s3p7	Piedmont 7	22-Mar	1440-1500
1570980787	Analyzing Internal Resistance in Lithium Nickel Cobalt Oxide (LiNiCoO) Vehicle Batteries for Enhanced SOC and SOH Prediction	d1s3p7	Piedmont 7	22-Mar	1500-1520
1570983057	Assessing the Flow State in a Classic Video Game Through Simulation	d1s3p7	Piedmont 7	22-Mar	1520-1540
1570984557	Optimal-Tolling Using Reinforcement Learning	d2s1p7	Piedmont 7	23-Mar	0900-0920
1570986060	A Highly Secure Reconfigurable Memory-Based Strong PUF for Device Authentication in Internet of Things	d2s1p7	Piedmont 7	23-Mar	0920-0940
1570986322	AppMAIS Audio Data Labeling Application	d2s1p7	Piedmont 7	23-Mar	0940-1000
1570980569	Gesture-Guided Exosuit Interface: Advancing Motion Tracking and Automation for Robotic Control	d2s1p7	Piedmont 7	23-Mar	1000-1020
1570987445	Backpropagation Techniques in SNN and Application in Image Segmentation	d2s2p7	Piedmont 7	23-Mar	1040-1100
1570988621	Analysis of Antenna Manufacturing Methods: Addressing Challenges in 3D Printing	d2s2p7	Piedmont 7	23-Mar	1100-1120
1570988672	Examining How Targeted Cyber Attacks on Critical Supply Chain Networks Can Lead to Economic Collapse and Civil Unrest	d2s2p7	Piedmont 7	23-Mar	1120-1140
1570980275	Exploring the Feasibility of Solar-Powered Autonomous Underwater Survey Vehicles for Extended Underwater Exploration	d2s2p7	Piedmont 7	23-Mar	1140-1200
1570989562	The Role of Technology in Enhancing Adolescent Online Safety: Current Trends and Future Directions	d2s3p7	Piedmont 7	23-Mar	1400-1420
1570989642	Platform for Information Sharing, Prioritization, and Aggregation for Firefighters and Incident Command	d2s3p7	Piedmont 7	23-Mar	1420-1440
1570987365	Preliminary Results from Vibration-Induced Locomotion of A Compliant Robot	d2s3p7	Piedmont 7	23-Mar	1440-1500
1570988658	Automated Feedback in Software Engineering: Enhancing Computational Thinking Process	d2s3p7	Piedmont 7	23-Mar	1500-1520
1570988596	From Learning Agents to Agile Software: Reinforcement Learning's Transformative Role in Requirements Engineering	d2s3p7	Piedmont 7	23-Mar	1520-1540

Poster Sessions

March 22-23, 2024, The Westin Peachtree Plaza, Atlanta, GA

Friday, March 22, 2024						
	09:00 AM to 10:30 AM	10:25 AM to 10:40 AM	10:40 AM to 12:00 PM	12:00 PM to 02:00 PM	02:00 PM to 03:30 PM	03:30 PM to 05:00 PM
Ansley 1	p1s1a1	COFFEE BREAK		LUNCH		
Ansley 2			p1s2a2			
Ansley 3						
Ansley 4						

Saturday, March 23, 2024						
	09:00 AM to 10:30 AM	10:25 AM to 10:40 AM	10:40 AM to 12:00 PM	12:00 PM to 02:00 PM	02:00 PM to 03:30 PM	03:30 PM to 05:00 PM
Ansley 1		COFFEE BREAK		LUNCH		
Ansley 2						
Ansley 3	p2s1a3					
Ansley 4			p2s2a4			

*Note : presenters are **required** to attend to their posters in the timeslots given. They are welcome to attend to their posters at any other time over the conference as well, in addition.

POSTER SESSION					
Paper Number	Title	Session	Room	Date	Time (EST)
1570974785	Medical Devices: Reverse Engineering for Innovation and Advancement in Healthcare	p1s1a1	Ansley 1	22-Mar	0900-1030
1570975590	Quantum Authentication Protocol for Secure Quantum Superdense Coding	p1s1a1	Ansley 1	22-Mar	0900-1030
1570980584	Frequency Suppression by Metamaterials	p1s1a1	Ansley 1	22-Mar	0900-1030
1570983673	Maximizing NFC Reader Power Transfer via Multiple IC Implementation for Enhanced Power Extraction	p1s1a1	Ansley 1	22-Mar	0900-1030
1570985828	Cross-Layer Performance Evaluation of C-V2X	p1s1a1	Ansley 1	22-Mar	0900-1030
1570986010	A Size Reduced Dual-Element Dipole	p1s2a2	Ansley 2	22-Mar	1040-1200

1570986013	Frequency Modulated Continuous Wave Radar Matlab Simulation Environment for Multiple Human Target Tracking	p1s2a2	Ansley 2	22-Mar	1040-1200
1570987415	Plasma-Aided Inkjet Printing of Silver Nanoparticle Conductive Structures on PDMS for Wearable Applications	p1s2a2	Ansley 2	22-Mar	1040-1200
1570987446	Can 5G Coexist with Satellite Uplink in 28 GHz Band?	p1s2a2	Ansley 2	22-Mar	1040-1200
1570987526	Advanced Technique for Network Data Ingestion and Data Pipeline Standardization to Assess Network Performance and Reliability	p1s2a2	Ansley 2	22-Mar	1040-1200
1570988515	Passive Millimeter Wave Concealed Object Detection Using YOLOv8	p2s1a3	Ansley 3	23-Mar	0900-1030
1570988563	Streamlining Clean Microgrid Economics: Multivariate Cost Optimization with Nuclear Power Integration	p2s1a3	Ansley 3	23-Mar	0900-1030
1570988682	AI-Based Bearing Defect Detection Using Variable Reluctance Sensor Signal	p2s1a3	Ansley 3	23-Mar	0900-1030
1570988683	A General Approach to Website Question Answering with Large Language Models	p2s1a3	Ansley 3	23-Mar	0900-1030
1570989108	AI-Assisted Image Fusion for Tracking of Occulated Objects	p2s1a3	Ansley 3	23-Mar	0900-1030
1570989301	A Low-Cost System for Solar Cell Current-Voltage Characterization	p2s2a4	Ansley 4	23-Mar	1040-1200
1570989510	Communication Evaluation of a Wireless 4-Channel Wearable EEG for BCI and Health Applications	p2s2a4	Ansley 4	23-Mar	1040-1200
1570989624	Enhancing Energy Detection-Based Spectrum Sensing Through Blockchain Technology	p2s2a4	Ansley 4	23-Mar	1040-1200
1570989641	Single Event Transient Pulse Propagation Analysis in Complex Skywater 130nm Logic Gates	p2s2a4	Ansley 4	23-Mar	1040-1200
1570988608	A New Spline-Based Image Processing Technique with Applications to Whole-Slide Imaging of Plant Roots	p2s2a4	Ansley 4	23-Mar	1040-1200