



IEEE UEMCON 2026

2026 IEEE 17th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON)
Physical Conference (IBM Louis V. Gerstner, Jr. Center for Learning, New York, USA)

Date: 07 – 09 Oct 2026

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

TECHNICAL SCHEDULE – CONTENTS

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4:00 PM – 5:15 PM	8	APPLIED AI TECHNOLOGY & IOT ARCHITECTURE		107N	14	

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

DAY	TIMING	SESSION	EVENT DETAILS	ROOM NO.	PAGE NUMBER
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DAY	TIMING	SESSION	EVENT DETAILS	ROOM NO.	PAGE NUMBER
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	9:30 AM – 11:00 AM	18	IOT ARCHITECTURE [ROOM NO – 107N]	107N	27
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	11:30 AM – 1:00 PM	KEYNOTE	LEARNING WITHOUT MOVING DATA: PARTICIPATION, DRIFT, AND TRUST IN FEDERATED SYSTEMS BY JAYARAM K RADHAKRISHNAN	FORUM	29
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All the timings are given in Eastern Daylight Time (EDT (UTC-4))

DAY 1: 7TH OCT 2026

TIME	PARALLEL SESSION
09:00 AM - 9:30 AM	INAUGURATION [ROOM - FORUM]
9:30 AM – 11:00 AM	SESSION 1: CORE AI ALGORITHMS [ROOM - FORUM]
9:30 AM – 10:30 AM	SESSION 2: APPLIED AI TECHNOLOGIES [ROOM NO – 107N]
9:30 AM – 11:00 AM	SESSION 3: CORE AI ALGORITHMS & NEXT GEN CONSUMER DEVICES [ROOM NO – 109N]
11:00 AM - 11:30 AM	COFFEE BREAK
11:30 AM – 1:00 PM	KEYNOTE SESSION [ROOM - FORUM]
1:00 PM – 2:00 PM	LUNCH BREAK
2:00 PM – 3:30 PM	SESSION 4: UBIQUITOUS COMPUTING [ROOM - 107N]
2:00 PM – 3:30 PM	SESSION 5: UBIQUITOUS AND PERVASIVE COMPUTING [ROOM NO – FORUM]
2:00 PM – 3:30 PM	SESSION 6: APPLICATIONS OF AI [ROOM NO – 109N]
3:30 PM – 4:00 PM	COFFEE BREAK
4:00 PM – 6:00 PM	WORKSHOP 1: HOW IBM BOB AND AI TOOLS ARE CHANGING THE WAY SOLUTIONS ARE BUILT [ROOM - FORUM]
4:00 PM – 5:15 PM	SESSION 7: EDGE AI TECHNOLOGIES [ROOM NO – 109N]
4:00 PM – 5:00 PM	SESSION 8: APPLIED AI TECHNOLOGY & IOT ARCHITECTURE [ROOM NO – 107N]

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PARALLEL SESSIONS

SESSION 1: CORE AI ALGORITHMS & NEXT GEN AI PARADIGSM

SESSION CHAIR: YATHISH RAMENA (UNIVERSITY OF ARKANSAS AT PINE BLUFF, USA)

SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 7th OCT 2026)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571301665	A Fault-Tolerant Cross-Lingual RAG Architecture for Reliable Curriculum Graph Generation	Altanbek Zulkhazhav, Mamyr Altaibek, Assel Omarbekova and Gulmira Bekmanova (L.N. Gumilyov Eurasian National University, Kazakhstan)
9.45 AM -10.00 AM	1571319433	Merge, Measure, Correct: An Empirical Comparison of Linear Averaging, TIES-Merging, and DARE for Weight-Space QLoRA Adaptation on Llama-3-8B-Instruct	Chaitanya Kumar Mankala (Villanova University, USA & Engineering, USA); Stephen McGill (Villanova University, USA)
10.00 AM – 10.15 AM	1571337192	Neural Simulation of Pedestrian-Level Air Temperature in Mister-Cooled Urban Environments	Selma Emekci (Pioneer High School); Ünal Göktas (Texas A&M University, USA)
10.15 AM -10.30 AM	1571339202	Adaptive Context Compression for Long-Running Financial-Service LLM Sessions: A Hybrid Strategy for Preserving Response Quality	Gopikanth Ankam (IT America Inc, USA); Satheeshkumar Ponugoti (Publicis Groupe, USA)
10:30 AM – 10:45 AM	1571339085	Comparative Evaluation of Machine Learning and Graph-Based Models for Lithium-Ion Battery State-of-Charge Estimation	Shubham Raj Gupta (Birla Institute of Technology and Science, India); Suman Rath (University of Tulsa, USA)

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SESSION 2: APPLIED AI TECHNOLOGIES			
SESSION CHAIR: VICTOR MANUEL GONZALEZ-GORRIN (UNIVERSITAT OBERTA DE CATALUNYA, SPAIN)			
SESSION TIME: 9:30 AM – 10.45 AM (DAY 1: 7 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571336041	When Health Gates Hurt: Metric-Aware Selection Between Imperfect Photonic and Neuromorphic Surrogates	Apurv Gaurav (Pennsylvania State University, USA)
9.45 AM – 10.00 AM	1571336869	A Contract-Based Telemetry and Behavioral Sentinel Framework for Governing External Agents in LangGraph Workflows	Sanjeev Kumar Marimekala and Dheeraj Arremsetty (IBM, USA)
10.00 AM -10.15 AM	1571306578	Explaining Cross-Dataset False Positives in Encrypted Traffic Classification for Forensic Interpretation	Madhab Chandra Das (Sam Houston State University, USA & Washington University of Science and Technology, USA); Qingzhong Liu (Sam Houston State University, USA)
10.15 AM -10.30 AM	1571308757	CLIMB: Collaborative Learning and Intelligent Model for Career Building	Yuqi Wang (Cornell University, USA); Jiaheng Li (Snail Games USA, USA); Mira Yun (Boston College, USA)
10:30 AM – 10:45 AM	1571322792	Evaluating the Accuracy of Large Language Models Applied to Hardware Synthesis	Joanna Lee (Farragut High School, USA); Attah Ejimah and Jace Rudolph (University of Minnesota Duluth, USA); Youngsoo Kim (University of Minnesota at Duluth, USA)

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SESSION 3: CORE AI ALGORITHMS & NEXT- GEN CONSUMER DEVICES**SESSION CHAIR: DAMIAN VALLES (TEXAS STATE UNIVERSITY, USA)****SESSION TIME: 9:30 AM – 11.00 AM (DAY 1: 7th OCT 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571343494	GRACE-SASE: Bounded Offline Authorization for Zero-Trust Service Continuity During Identity and Control-Plane Outages	Sanjay Poddar (Federation University, Australia)
9.45 AM – 10.00 AM	1571321079	A Machine Learning-Based Framework for Algorithmic Trading Using Multi-Source Financial Signals	Deepak Kumar Giri (Electronic Trading Systems Architecture, USA); Suchith Goud Arella (Indiana State University, USA)
10.15 AM -10.30 AM	1571332571	Agent Operational Reliability Engineering: An Integrated Site Reliability Operating Model and Conformance Benchmark for Autonomous AI Agent Systems	Srinath Gopinath (USA)
10:30 AM – 10:45 AM	1571342164	CRISP-SD-WAN: Continuous Risk-Informed Security and Path Orchestration in Zero-Trust Hybrid Multi-Cloud Networks	Sanjay Poddar (Federation University, Australia)
10:45 AM – 11:00 AM	1571339147	Heuristic Neural Network Pruning to Discover Lottery Tickets	James Michael Gallagher (University of Massachusetts at Lowell, USA); Dalila B. Megherbi (University of Massachusetts, Lowell, USA & Director of CMINDS Research Center, UMASS, USA)
10:45 AM – 11:00 AM	1571338275	Streaming Graph Learning for Revenue Leakage and Attribution Anomaly Detection in Programmatic Advertising Pipelines	Allwin Asirvatham (Walmart Inc, USA)

COFFEE BREAK**11:00 AM- 11:30AM****All the timings are given in Eastern Daylight Time (EDT (UTC-4))**

KEYNOTE SESSION [DAY 1 - 7th OCT 2026]

TIME	NAME OF THE EVENT
11:30 AM – 12:15 PM	KEYNOTE ADDRESS BY: LÉON BOTTOU (Research Scientist, Flatiron Institute) TITLE OF TALK: THE FICTION MACHINE
12:15 PM – 1:00 PM	KEYNOTE ADDRESS BY: BRYAN PEROZZI (Research Scientist, Google Research) TITLE OF TALK: A FEW FOUNDATIONAL TAKES ON CONNECTED DATA

1:00 PM-2:00 PM	LUNCH BREAK
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PARALLEL SESSIONS

SESSION 4: UBIQUITOUS COMPUTING

SESSION CHAIR:

SESSION TIME: 2:00 PM – 3:00 PM (DAY 1: 7th OCT 2026)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571345916	Comparative Study of Prediction Otitis Media via a Machine Learning Approach	Milka C I Madahana (University of the Witwatersrand, South Africa)
2.15 PM – 2.30 PM	1571339199	AI-Enhanced Blast Safety Framework	Milka C I Madahana (University of the Witwatersrand, South Africa)
2.30 PM - 2.45 PM	1571340485	DroneHarvest: An Autonomous BLE Data Collection Payload with GPS Waypoint Mapping for UAV-Assisted IoT Sensor Networks	Chukwunalu Asuai, Omer Pilav and Jeffrey Erickson (North Dakota State University, USA)
2.45 PM – 3.00 PM	1571346242	Explainable Machine Learning for Term Deposit Propensity Modeling: A Comparative Study on the UCI Bank Marketing Dataset	Archana Pattabhi (Citigroup, USA)
3.00 PM – 3.15 PM	1571339051	A Weather-Aware Multimodal System for Detecting Bifenthrin Exposure Using Honeybees as Biosensors	Ethan Liang (The Harker School, USA)
3.15 PM – 3.30 PM	1571339358	A Computational Approach to Assessing Pesticide Toxicity in Honey Bees	Ethan Liang (The Harker School, USA)

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SESSION 5: UBIQUITOUS AND PERVASIVE COMPUTING			
SESSION CHAIR: ROBIN GHOSH (ARKANSAS TECH UNIVERSITY, USA)			
SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 7 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571332580	Quantum Reliability Engineering: A Site Reliability Engineering Framework for Post-Quantum Operational Resilience	Srinath Gopinath (USA)
2.15 PM – 2.30 PM	1571333948	Establishing a Measured Sensing and Motion-Classification Baseline for a ROS2-Based Animal Care Mobile Robot	Utsav Adhikari, Nathan Charles, Md Masrur Hossain Rakin and Damian Valles (Texas State University, USA)
2.30 PM - 2.45 PM	1571338332	Development of AquaVision: A Computer Vision System for Automated Morphometric Measurement and Population Counting of Juvenile Largemouth Bass	Nagendar Goud Pagudala, Yathish Ramena, Ram Babu Kurapati, Nitish Kumar Sankurabhukta, Oluwatoyosi Peter Abolaji and Andre Shelby (University of Arkansas at Pine Bluff, USA)
2.45 PM – 3.00 PM	1571339037	Post-Quantum Cryptography for Blockchain: A Systematic Mapping by Cryptographic Family	Kanokpon Mettasat (Virginia Military Institute, USA); Efat Fathalla (Virginia Military Institute, USA & VMI, USA)
3.00 PM – 3.15 PM	1571337918	Uncensored AI Models: Measuring Refusal Removal on a Laptop	Jayden Kim (WCTA, USA)
3.15 PM – 3.30 PM	1571338279	Synthetic Generation of Longitudinal Fitbit Data in Patients with COPD	Wanting Cui and Joseph Finkelstein (University of Arizona, USA)

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SESSION 6: APPLICATIONS OF AI			
SESSION CHAIR:			
SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 7 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571338629	Differentiating Chronic Ankle Instability from Copers Using Machine Learning Analysis of Walking Gait Kinematics	Tomara A Seid (Fordham University, USA); Daniel Marimekala (Farmington High School, USA); Damian Valles and Rachel M Koldenhoven (Texas State University, USA)
2.15 PM – 2.30 PM	1571338960	Cross-Graph Continuation Contracts for Federated AI Agents: Runtime Authorization Across Enterprise Graphs	Venkata phani Patelkhana and Vidya Vishal Wadkar (USA)
2.30 PM - 2.45 PM	1571338941	Beyond End-to-End CNNs: Species-Level Crop and Weed Classification via Deep Feature Extraction	Parsa Moinpur (Mountain View High School, USA)
2.45 PM – 3.00 PM	1571339158	Trust-Aware Tool Selection for Financial-Service Generative AI Agents: A Runtime Trust Scoring Framework	Gopikanth Ankam (IT America Inc, USA); Satheeshkumar Ponugoti (Publicis Groupe, USA)
3.00 PM – 3.15 PM	1571339186	From Practice to Play: Cross-Season Transportability and Leakage-Aware Evaluation of Machine Learning Jump-Load Models	Arthur J Matteotti (University of Missouri, USA); John W Farrell, Iii and Damian Valles (Texas State University, USA)
3.15 PM – 3.30 PM	1571338344	Toward a Governance Maturity Model for Enterprise Agentic AI Systems	Shivaraman Parthasarathy (USA)

3:30 PM- 4:00 PM	COFFEE BREAK
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Workshop 1: How IBM Bob and AI Tools are Changing the Way Solutions Are Built By: Dr. Sanjeev Kumar Marimekala (STSM Thought Leader, Enterprise Architect, Open Group Certified Distinguished Architect, Region 1 AI Coalition Board Member)	4.00 PM – 6:00 pm
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PARALLEL SESSIONS

SESSION 7: EDGE AI TECHNOLOGIES			
SESSION CHAIR: ROBIN GHOSH (ARKANSAS TECH UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5:15 PM (DAY 1: 7 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4.00 PM – 4.15 PM	1571297836	The Rise of Agentic Identity Hijacking: A Runtime Trust Framework for Securing Autonomous AI Agents	Tuhin Banerjee (University of Texas, Austin, USA); Barinder Pal Singh and Sharad Sharma (Deloitte, USA); Harpreet Singh (JP Morgan Chase, USA)
4.15 PM – 4.30 PM	1571304627	Open Source vs. Proprietary AI in the Enterprise: A Decision Framework for Trustworthy, Cost-Aware, and Sovereign AI Innovation	Sai Sravan Cherukuri and Sai Saketh Cherukuri (USA)
4.30 PM – 4.45 PM	1571338683	Adaptive Differential Privacy for Multitask Federated Split Learning in Brain Tumor Analysis	Rakib Hossain Rifat and Jingjing Yao (Texas Tech University, USA)
4.45 PM - 5.00 PM	1571339093	Ubiquitous Federated Learning: Context-Aware Debiased Aggregation Under Non-Stationary Device Availability	Victor Manuel Gonzalez-Gorin (Universitat Oberta de Catalunya, Spain)
5.00 PM - 5.15 PM	1571345586	Cross-Domain Cyber Awareness Using Signal Intelligence Techniques	Srinivas Rahul Sapireddy (Illinois State University, USA); Priyanka Siddappa (Miner School of Computer & Information Sciences, USA); Hemanth Bandi (University of Minnesota Twin Cities, USA); Sai Anirudh Godavarthi (University of Missouri - Kansas City, USA)

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SESSION 8: APPLIED AI TECHNOLOGY & IOT ARCHITECTURE			
SESSION CHAIR: DAMIAN VALLES (TEXAS STATE UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5:00 PM (DAY 1: 7 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4.00 PM – 4.15 PM	1571344114	Enhanced PyroScan: A UAV-Based Wildfire Movement Prediction System	Indira K Dutta (St Cloud State University, USA); Bhaskar Ghosh (St. Cloud State University, USA); Srivarsha R Singireddy (Saint Cloud State University, USA)
4.15 PM – 4.30 PM	1571344995	MicrogridOS: Agent-Orchestrated Generation of 80% Microgrid Designs for Energy Access	Vladimir Abdelnour and Nathan G Johnson (Arizona State University, USA); J. Nelson (ASU, USA)
4.30 PM – 4.45 PM	1571345456	Cross-Dataset Generalizable Detection of Knowledge Poisoning in Retrieval-Augmented Generation: A Medical Case Study	Israt Jahan Aunika (Montclair State University, USA); Abdelrahman Elleithy (William Paterson University, USA)
4.45 PM - 5.00 PM	1571339235	Generalizing to Unseen Adversarial Attacks in Industrial Control System Intrusion Detection with a Denoising Autoencoder Purifier	Raphael Alcober, Vincent Vocal, Andre Cartagena, Ilian Tyrrell Pangan and Yi Wang (Manhattan University, USA)

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Day 2: 8th Oct 2026

TIME	PARALLEL SESSION
9:30 AM – 11:00 AM	SESSION 9: ALGORITHMIC FRAMEWORKS [ROOM - FORUM]
9:30 AM – 11:00 AM	SESSION 10: EDGE AI TECHNOLOGIES [ROOM NO – 107N]
9:30 AM – 11:00 AM	SESSION 11: EMBEDDED SYSTEMS & IoT [ROOM NO – 109N]
11:00 AM–11:30 AM	COFFEE BREAK
11:30 PM – 1.00 PM	KEYNOTE SESSION [ROOM - FORUM]
1:00 PM – 2:00 PM	LUNCH BREAK
2:00 PM – 3:30 PM	SESSION 12: EDGE AI / UBIQUITOUS INTERFACES [ROOM NO – 107N]
2:00 PM – 3:30 PM	SESSION 13: THEORITICAL AI AND OPTIMISATION MODELLING [ROOM - FORUM]
2:00 PM – 3:30 PM	SESSION 14: EMBEDDED SYSTEMS / CORE AI & ENERGY-SUSTAINABILITY [ROOM NO – 109N]
3:30 PM – 4:00 PM	COFFEE BREAK
4:00 PM – 6:00 PM	WORKSHOP 2: ON ASPECTS OF VIRTUAL REALITY [ROOM - FORUM]
4.00 PM – 6.30 PM	SESSION 15: UBIQUITOUS COMPUTING [ROOM – 107N]
4.00 PM – 5:45 PM	SESSION 16: AI AND MACHINE LEARNING [ROOM NO – 109N]

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PARALLEL SESSIONS			
SESSION 9: ALGORITHMIC FRAMEWORKS			
SESSION CHAIR:			
SESSION TIME: 9:30 AM – 11.00 AM (DAY 2: : 8 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571344390	Uncertainty-Coupled Split Computing & Adaptation Scheduling for Heterogeneous Edge Systems	Jiaqi Zhu (Walmart, USA); Prakriti Jain (Heidelberg University, Germany); Dewant Katare (TU Delft, The Netherlands); Saurabh Kumar (Walmart, USA)
9.45 AM – 10.00 AM	1571335260	Underwater Image Acquisition and Enhancement for Aquaculture Computer Vision: Sensing Modalities, Optical Degradation, and Restoration Strategies	Nitish Kumar Sankurabhukta, Yathish Ramena, Ram Babu Kurapati and Oluwatoyosi Peter Abolaji (University of Arkansas at Pine Bluff, USA)
10.00 AM -10.15 AM	1571338674	Graph Neural Networks for Aquaculture: Applications, Challenges, and Future Directions	Oluwatoyosi Peter Abolaji, Yathish Ramena, Nitish Kumar Sankurabhukta, Ram Babu Kurapati and Nagendar Goud Pagudala (University of Arkansas at Pine Bluff, USA); Kesava Manikanta Chirumamilla and Robin Ghosh (Arkansas Tech University, USA); Andre Shelby (University of Arkansas at Pine Bluff, USA)
10.15 AM -10.30 AM	1571329549	Structure over Strength: Where Black-Box Adversarial Attacks Break Automotive CAN-Bus Intrusion Detection	Amirmasoud Pourmiri, Ali Eslami and Sergio A. Salinas (Wichita State University, USA)
10:30 AM – 10:45 AM	1571321016	AI-Driven Portfolio Optimization Under Market Volatility and Transaction Constraints	Suchith Goud Arella (Indiana State University, USA); Deepak Kumar Giri (Electronic Trading Systems Architecture, USA)

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SESSION 10: EDGE AI TECHNOLOGIES			
SESSION CHAIR: UTPAL KUMAR DAS (KNITWELL GROUP, USA)			
SESSION TIME: 9:30 AM – 11.00 AM (DAY 2: 8 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571338684	Automated Path Discovery and Aggregation for Complex Relational Table Merging	Akshat Maurya (Jawaharlal Nehru University, India); David Shilane (Columbia University, USA)
9.45 AM – 10.00 AM	1571335436	Attention-Enabled Discriminative Analysis for Explainable Fake News Detection	AbdulRahman Ibrahim and Wassila Lalouani (Towson University, USA)
10.00 AM -10.15 AM	1571339075	Real-Time Relapse and Disengagement Risk Prediction for Multilingual Therapeutic Conversational Agents	Salar Hashemitaheri (University of California, Irvine, USA); Zhuoyi Yang and Ian G. Harris (University of California Irvine, USA)
10.15 AM -10.30 AM	1571339091	STOPSET: Bit-Exact Policy-Universal Conformal Contracts for Resource-Adaptive TinyML Cascades	Brandon Kong (USA)
10:30 AM – 10:45 AM	1571337148	A Context-Aware Image Processing System for Smart Libraries	Hanh Pham, Matthew Kleitz, ZiHao Wang, Nicholas Boschi, Miguel Vasquez, Anas El Yousfi, Ramon Nesheiwat, Jason Caccamo, Bradley Camacho, Colin McDermott, Anusha KC (State University of New York, USA)
10:45 AM – 11:00 AM	1571339097	Debiasing is an Attack Surface: Propensity Spoofing in Ubiquitous Federated Learning	Victor Manuel Gonzalez-Gorin (Universitat Oberta de Catalunya, Spain)

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SESSION 11: EMBEDDED SYSTEMS & IoT			
SESSION CHAIR: ENASS HRIBA (OHIO NORTHERN UNIVERSITY, USA)			
SESSION TIME: 9:30 AM – 11.00 AM (DAY 2: 8 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571314900	Clock-Gating Insertion Strategies on an Open-Source MSP430 Core: A Reproducible PPA Study and a Gate-Level Simulation Caveat	Xingran Huang (University of California, Riverside, USA); Qiming Guo (Texas A&M University-Corpus Christi, USA); Wenqi Jia (University of Texas at Arlington, USA); Jinwen Tang (University of Missouri, USA); Dongzheng Wang (Boston University, USA)
9.45 AM – 10.00 AM	1571320772	Real-World Constraints in Deep-Learning Real-Time Object Detection at the Edge: Case of YOLOv11 on Edge Device	Marcus Nicolas (University of Massachusetts at Lowell, USA); Dalila B. Megherbi (University of Massachusetts, Lowell, USA & Director of CMINDS Research Center, UMASS, USA)
10.00 AM -10.15 AM	1571323693	Sustainable Edge Vision via Empirically Calibrated DVFS: Eliminating Thermal Throttling on Passively Cooled Hardware	Aayush Marasini and Zhaoxian Zhou (University of Southern Mississippi, USA)
10.15 AM -10.30 AM	1571325709	Modeling and Control of a Soft Pneumatic Finger	Liangyu Pang and Anusree Mandali (Lafayette College, USA)
10:30 AM – 10:45 AM	1571345447	Design of an Audio-Assisted Amateur Radio System for Visually Impaired Users	Jingren Liang, Deborah Walter and Mahfuzur Rahman (Rose-Hulman Institute of Technology, USA)
10:45 AM – 11:00 AM	1571340092	SQT-IoT: A Bandwidth-Efficient Speech Codec for IoT Edge Communications	Muntaser Syed and Marius C Silaghi (Florida Institute of Technology, USA)

11:00 AM–11:30 AM

COFFEE BREAK

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

KEYNOTE SESSION [DAY 2: 8th OCT 2026]

TIME	NAME OF THE EVENT
11:30 AM – 12:15 PM	KEYNOTE ADDRESS BY: GIL ZUSSMAN (Professor, Columbia University) TITLE OF TALK: The COSMOS Testbed – a Platform for Advanced Wireless, Optical, Edge Cloud, and Smart Streetscapes Experimentation
12:15 PM – 1:00 PM	KEYNOTE ADDRESS BY: VATCHE ISAHAGIAN (Senior Research Scientist, IBM Research) TITLE OF TALK: ALTK-Evolve: Trajectory-Informed Memory for Self-Improving Agents

1:00 PM-2.00 PM	LUNCH BREAK
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All the timings are given in Eastern Daylight Time (EDT (UTC-4))

PARALLEL SESSIONS

SESSION 12: EDGE AI / UBIQUITOUS INTERFACES

SESSION CHAIR: HANH PHAM (STATE UNIVERSITY OF NEW YORK, USA)

SESSION TIME: 2.00 PM–3:30 PM (DAY 2: 8th OCT 2026)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571339133	An Industrial LLM Reliability Control Plane: Patterns for Cloud Native Deployment	Pushkar Devanahalli Gopalakrishna (None, USA)
2.15 PM – 2.30 PM	1571339212	Predictive Spot-Instance Capacity Provisioning: A Machine-Learning Approach to FinOps in Multi-Cloud Kubernetes Environments	Pushkar Devanahalli Gopalakrishna (None, USA)
2.30 PM – 2.45 PM	1571339246	SpikeGraphNet: A Hybrid Graph-Spiking Neural Network for Explainable Edge-Based Seizure Detection	Md Shaba Sayeed, Shaira Wajiha, Shruti Bhandari and Robin Ghosh (Arkansas Tech University, USA); Tolga Ensari (Arkansas Tech University, Russellville, Arkansas, Algeria); Abdus Salam Siddique (Arkansas Tech University, USA)
2.45 PM -3.00 PM	1571338621	Beyond Repetition Counting: Engineering Verification of an Evidence-Preserving Multimodal VR Rehabilitation Coach	Salem Nasereddin (Rutgers University, New-branswick, USA); Shafique A Chaudhry (Clarkson University, USA)
3.00 PM – 3.15 PM	1571302038	BudgetMem: Training Free Selective Memory for Cost Efficient Long Context Processing in Language Models	Chandra Vamsi Krishna Alla, Harish Naidu Gaddam and Manohar Kommi (University of Texas at Arlington, USA)
3.15 PM – 3.30 PM	1571337893	FleetSentinel: Population-Level Behavioral Monitoring for Detecting Rogue LLM Agents in Large-Scale Deployments	Sanjeev Kumar Marimekala, Dheeraj Arremsetty and Aakanksha Joshi (IBM, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

SESSION 13: THEORITICAL AI AND OPTIMISATION MODELLING**SESSION CHAIR: DAVID SHILANE (COLUMBIA UNIVERSITY, USA)****SESSION TIME: 2.00 PM–3:30 PM (DAY 2: 8th OCT 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571337457	Joint Quantization and Dynamic Partitioning for Context-Aware Edge Vision Transformers	Jiaqi Zhu (Walmart, USA); Prakriti Jain (Heidelberg University, Germany); Dewant Katare (TU Delft, The Netherlands); Saurabh Kumar (Walmart, USA)
2.15 PM – 2.30 PM	1571339165	Performance Dynamics of Deep Learning Model Training on Centralized HPC Resources	Prashant Panta and Damian Valles (Texas State University, USA)
2.30 PM – 2.45 PM	1571339103	Physics-Informed Neural Networks for Strain-Engineered Bandgap Prediction in the Ultrawide-Bandgap Spinel Oxide ZnGa ₂ O ₄	Joya Rani Debnath (Electrical Engineering, Texas State University, San Marcos, Texas, USA); Md Masrur Hossain Rakin (Electrical Engineering, Texas State University, San Marcos, Texas, USA); Nathan Rabelo Martins and Luisa Scolfaro (Department of Physics, Texas State University, San Marcos, Texas, USA); Ariful Haque and Damian Valles (Electrical Engineering, Texas State University, San Marcos, Texas, USA)
2.45 PM -3.00 PM	1571339245	When the Same Model Passes and Fails: Random Seed Effects in Neural VaR Backtesting	Al Jaber (City University of New York, USA); Adiba Samreen Mahmud and Yasmeen Rawajfih (Tuskegee University, USA)
3.00 PM – 3.15 PM	1571339193	Text-Prompted Water Isolation and YOLOv11 Instance Segmentation for Shrimp Detection and Pixel-Based Length Estimation	Kesava Manikanta Chirumamilla, Robin Ghosh and Abdus Salam Siddique (Arkansas Tech University, USA); Nitish Kumar Sankurabhukta and Yathish Ramena (University of Arkansas at Pine Bluff, USA); Rachit Bhusal (Arkansas Tech University, USA); Ayushma Sharma (Mississippi State University, USA)
3.15 PM – 3.30 PM	1571284715	VM Forensics: A Case Study of VirtualBox and VMware	Bright Jiwueze, Uzair Hussain, Isah Mohammed, Daniel Aigboduwa and Cihan Varol (Sam Houston State University, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

SESSION 14: EMBEDDED SYSTEMS / CORE AI & ENERGY-SUSTAINABILITY**SESSION CHAIR: UTPAL KUMAR DAS (KNITWELL GROUP, USA)****SESSION TIME: 2.00 PM–3:30 PM (DAY 2: 8th OCT 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571339378	Design and Implementation of an ESP32-Based PID Depth Control System for an Underwater Float	Joleen Zhu, William Zhou and Noah Degrazia (Wentworth Institute of Technology, USA); Saurav Basnet (550 Huntington Ave & Wentworth Institute of Technology, USA)
2.15 PM – 2.30 PM	1571344645	Transistor-Level Energy Modeling of Transformer Inference: Prefill/Decode Phase Separation and Cross-Architecture Transfer	Muntaser Syed and Marius C Silaghi (Florida Institute of Technology, USA)
2.30 PM – 2.45 PM	1571345317	Data-Driven Evaluation of Relay-Assisted mmWave Connectivity in a Campus Environment	Enass Hriba and Marwan Alkhweldi (Ohio Northern University, USA)
2.45 PM -3.00 PM	1571339311	On the Evolution of IoT Software System: Maintainability, Code Quality, and Evidence-Driven Developer Training	Saleh M Alnaeli (University of Wisconsin-Stout & University of Wisconsin System, USA); Ahmed A. Elmagrous (University of Wisconsin- Stout, USA)
3.00 PM – 3.15 PM	1571339090	Benchtop to Field: Hardware Optimization and Validation of a Low-Power Wireless Potentiostat	Matthew Whispell and Zachary Thornton (Clarkson University, USA); Joseph Mire (The University of Alabama, USA); Silvana Andreescu and Masudul Imtiaz (Clarkson University, USA)
3.15 PM – 3.30 PM	1571339267	Code-Grounded Security Documentation from Locally Deployable Small Language Models	Adiba Samreen Mahmud and Yasmeen Rawajfih (Tuskegee University, USA); Ross Arnold (US Army, USA); Bryan Petzinger (United States Army DEVCOM Armaments Center, USA)

3.30 PM- 4.00 PM**COFFEE BREAK****All the timings are given in Eastern Daylight Time (EDT (UTC-4))**

Workshop 2: On Aspects of Virtual Reality By: Dr. Phillip Bradford (University of Connecticut, Stamford, USA)	4.00 PM – 6:00 PM
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PARALLEL SESSIONS

SESSION 15: UBIQUITOUS COMPUTING			
SESSION CHAIR:			
SESSION TIME: 4:00 PM – 5.30 PM (DAY 2: 8th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571345441	BSDFL: Bootstrap Stability-Based Training Data Fault Localization	Wenting Yang, Xianghong Lin, Xiangwen Wang, Wenqian Ma, Cunwei Yu and Xucheng Li (Northwest Normal University, China)
4:15 PM – 4:30 PM	1571337770	MAPA: Margin-Aware Progressive Augmentation for Compact Image Classification	Jinghui Yang, Xianghong Lin and Xiangwen Wang (Northwest Normal University, China)
4:30 PM – 4:45 PM	1571339194	Agentic Medical RAG: A Reasoning Framework for Automated Clinical Documentation	Maryam Heidari (George Mason University, USA); Samira Zad (Florida International University, USA); Nishant Doshi (Agility Robotics, USA); et. Al.
4:45 PM – 5:00 PM	1571339221	EvidenceRank: An Explainable Evidence Retrieval Framework for Conversational Agents	Maryam Heidari (George Mason University, USA); Samira Zad (Florida International University, USA); Nishant Doshi (Agility Robotics, USA) et. Al.
5:00 PM – 5:15 PM	1571295602	SDRF: A Unified CDC Abstraction for Cloud-Native SaaS Data Replication	Shashank Kumar Sharma (Amazon Web Services, USA); Mudit Goyal and Shashi Shekhar (Amazon, USA)
5:15 PM – 5:30 PM	1571320354	Intent-Based Natural-Language Self-Service Versus Menu-Driven IVR: A Practitioner Framework for Evaluating Containment and Customer Satisfaction in Consumer-Finance Voice Systems	Vijay Kumar Sridharan (Goldman Sachs, India)
5:30 PM – 5:45 PM	1571315062	Anomaly Detection for Hyperspectral Image Processing Using Deep Autoencoder and Single Window RX Detector	Alex Sumarsono (California State University, East Bay, USA)

All the timings are given in Eastern Daylight Time (EDT)

SESSION 16: AI AND MACHINE LEARNING			
SESSION CHAIR: VICTOR MANUEL GONZALEZ-GORRIN (UNIVERSITAT OBERTA DE CATALUNYA, SPAIN)			
SESSION TIME: 4.00 PM–5:45 PM (DAY 2: 8 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571338321	Automatic Generation of Domain-Specific Lexicons Through Derived Sentiment Analysis	David Shilane and Pallavi Gudipati (Columbia University, USA)
4:15 PM – 4:30 PM	1571338334	Knowledge Distillation for Efficient and Reliable Pneumonia Detection from Chest X-Rays: An Empirical Study	Phillip Vanderburg and Heba Elgazzar (Illinois State University, USA)
4:30 PM – 4:45 PM	1571335265	Deep Learning Architectures for Fish Detection, Counting, and Biomass Estimation in Aquaculture: A Comparative Review	Nitish Kumar Sankurabhukta, Yathish Ramena, Ram Babu Kurapati and Oluwatoyosi Peter Abolaji (University of Arkansas at Pine Bluff, USA); Robin Ghosh, Abdus Salam Siddique and Kesava Manikanta Chirumamilla (Arkansas Tech University, USA); et.al.
4:45 PM – 5:00 PM	1571339248	Nonparametric Template Persistence Curves for Child Face Recognition via Beta Generalized Additive Models	Aaron Storey, Ajan Ahmed and Masudul Imtiaz (Clarkson University, USA)
5:00 PM – 5:15 PM	1571338615	UAPB-AquaVision: A Deep Learning Framework for Non-Invasive Growth Assessment and Population Counting in Largemouth Bass	Nagendar Goud Pagudala, Yathish Ramena, Ram Babu Kurapati, Nitish Kumar Sankurabhukta and Oluwatoyosi Peter Abolaji (University of Arkansas at Pine Bluff, USA); Robin Ghosh, Abdus Salam Siddique and et. Al.
5:15 PM – 5:30 PM	1571339136	Design of a High-Resolution Infant Fingerprint Scanner Using a Low-Cost COTS Camera	Phuoc Quyen Nguyen (Clarkson University, USA); Jonathan Trusty King (Howard University, USA); Masudul Imtiaz (Clarkson University, USA); Stephanie Shuckers (University of North Carolina at Charlotte, USA); Rumana Sumi (Clarkson University, USA)
5:30 PM – 5:45 PM	1571339324	AquaScan: An Integrated Mobile Platform for Freshwater Fish Disease Classification and Retrieval-Augmented LLM Assistance	Rachit Bhusal, Robin Ghosh, Shaira Wajiha and Abdus Salam Siddique (Arkansas Tech University, USA); Yathish Ramena (University of Arkansas at Pine Bluff, USA); Kamal Gosh (Langston university, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

Day 3: 9th OCT 2026

TIME	PARALLEL SESSION
9:30 AM - 11:00 AM	SESSION 17: ALGORITHMIC INTELLIGENCE AND COMPUTATIONAL MODELS [ROOM - FORUM]
9:30 AM – 10:45 AM	SESSION 18: IOT ARCHITECTURE [ROOM NO – 107N]
9:30 AM - 11:00 AM	SESSION 19: CORE LEARNING ALGORITHMS [ROOM NO. – 109N]
11:00 AM- 11:30 AM	COFFEE BREAK
11:30 PM - 1:00 PM	KEYNOTE SESSION [ROOM - FORUM]
1:00 PM - 2:00 PM	LUNCH BREAK
2:00 PM - 3:45 PM	SESSION 20: NEXT-GEN FOUNDATION MODELS [ROOM NO. – 107N]
2:00 PM - 3:45 PM	SESSION 21: INTELLIGENT COMPUTING MODELS [ROOM NO. – 109N]
2:00 PM - 3:45 PM	SESSION 22: NEXT-GEN AI PARADIGM [ROOM - FORUM]
3:30 PM – 4:00 PM	COFFEE BREAK
4:00 PM - 5:00 PM	VALECDICTORY SESSION [ROOM NO- FORUM]

PARALLEL SESSIONS			
SESSION 17: ALGORITHMIC INTELLIGENCE AND COMPUTATIONAL MODELS			
SESSION CHAIR: YATHISH RAMENA (UNIVERSITY OF ARKANSAS AT PINE BLUFF, USA)			
SESSION TIME: 9:30 AM-11:00 AM (DAY 3: 9 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9:30 AM – 9:45 AM	1571339086	Positional Survival of Prompt Injections Through Context Compaction in LLM Agents	Aditya Saxena (Kalinga Institute of Industrial Technology, India); Sumit K Tetarave (KIIT, Bhubaneswar, India); Nikhil Kumar Dora (Kalinga Institute of Industrial Technology, India); Caroline John (University of West Florida, USA)
9:45 AM -10:00 AM	1571338638	Energy-Aware UAV-Aided MEC Network by Safe Reinforcement Learning	Seyed Soroush Tabadkani Avval and Jingjing Yao (Texas Tech University, USA)
10:00 AM – 10:15 AM	1571338639	MobiSpecFormer: A Local-Global Fusion Network for Parkinson's Voice Classification	Yechang Qi and Sarita Singh (Northeastern University, USA)
10:15 AM -10:30 AM	1571345537	Soft Vector Quantization Preserves Within-Trial Ordering Across Participants	Elizabeth Ren, Anthony Low, Luke Feng, Abigail Zhang and Evan Duan (USA)
10:30 AM – 10:45 AM	1571345687	Closing the Explanation-Experiment Loop: An LLM-Guided Interactive Simulation Framework for Power System Dynamics Education	Osasumwen Cedric Ogiesoba-Eguakun (The University of Tulsa, USA); S M Zia Ur Rashid (University of Tulsa, USA); Rupesh Sah and Phani K Inkollu (The University of Tulsa, USA); Suman Rath (University of Tulsa, USA); Douglas Jussaume (The University of Tulsa, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

SESSION 18: IoT ARCHITECTURE**SESSION CHAIR: ANUSREE MANDALI (LAFAYETTE COLLEGE, USA)****SESSION TIME: 9:30 AM-10:45 AM (DAY 3: 9th OCT 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9:30 AM – 9:45 AM	1571339125	No Free Lunch at the Noise Floor: Characterizing the Fragility of Static Calibration in Cross-Modal Voice Assistant Defenses	Rutvi Mudalagi (USA)
9:45 AM -10:00 AM	1571344124	A Boundary-Based Post-Quantum Cryptographic Architecture for Distributed- Edge, Intermittently Connected, \& Resource Constrained Systems	Yi Huang (Infobeyond Technology LLC, USA); Md Omar Faruque (New Mexico State University, USA); Amirhosein Morteza (University of Texas at Arlington, USA); Derock Xie and Bin Xie (InfoBeyond Technology LLC, USA)
10:00 AM – 10:15 AM	1571339250	A Review of Birkhoff-Von-Neumann (BVN) Stochastic Matrix Decomposition, and a Recursive and Fair BVN Decomposition with Tight Delay Guarantees	Ted H. Szymanski (McMaster University, Canada)
10:15 AM -10:30 AM	1571329547	IDEX: Interpretable Distillation of Black-Box Anomaly Detectors into Explainable Isolation Forest Surrogates	Amirmasoud Pourmiri, Ali Eslami and Sergio A. Salinas (Wichita State University, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

SESSION 19: CORE LEARNING ALGORITHMS			
SESSION CHAIR: SRINIVAS RAHUL SAPIREDDY (ILLINOIS STATE UNIVERSITY, USA)			
SESSION TIME: 9:30 AM-11:00 AM (DAY 3: 9 th OCT 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9:30 AM – 9:45 AM	1571338679	Dual-Level Consistency Regularized GATs for Semi-Supervised MpoX Classification	Rakib Hossain Rifat and Jingjing Yao (Texas Tech University, USA)
9:45 AM -10:00 AM	1571338693	Classification of Landmine Models Using Ground Penetrating Radar and Convolutional Neural Networks	Robin Stopford and Ismail Jouny (Lafayette College, USA)
10:00 AM – 10:15 AM	1571345726	Robustness of Graph-Attentive MAPPO to Product-Graph Corruption in Dynamic Retail Pricing	Krishna Kumar Neelakanta Pillai Santha Kumari Amma (USA)
10:15 AM -10:30 AM	1571345888	A Lightweight and Edge-Efficient Multilayer Perceptron Framework for AAMI-Compliant ECG Arrhythmia Classification	Shaan Lele, Savneet Kaur Badial and Anshul Jha (University of the Pacific, USA)
10:30 AM – 10:45 AM	1571338337	Benchmarking Reinforcement Learning Algorithms for Predictive Handover in 5G Networks Using a LiDAR-Based Simulation Framework	Pranav Das (New Albany High School, USA); Jacob Kozik (University of Illinois Chicago, USA)

11:00 AM – 11:30 AM	COFFEE BREAK
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All the timings are given in Eastern Daylight Time (EDT (UTC-4))

KEYNOTE SESSION [DAY 3: 9th OCT 2026]

TIME	NAME OF THE EVENT
11:30 AM – 12:15 PM	KEYNOTE ADDRESS BY: JAYARAM K RADHAKRISHNAN (Research Scientist, Flatiron Institute) TITLE OF TALK: LEARNING WITHOUT MOVING DATA: PARTICIPATION, DRIFT, AND TRUST IN FEDERATED SYSTEMS
12:15 PM – 1:00 PM	KEYNOTE ADDRESS BY: JULIA HIRSCHBERG (Professor, Columbia University) TITLE OF TALK: DETECTING DECEPTIVE SPEECH

LUNCH BREAK

1.00 PM–2.00 PM

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

PARALLEL SESSIONS

SESSION 20: NEXT-GEN FOUNDATION MODELS

SESSION CHAIR: ANUSREE MANDALI (LAFAYETTE COLLEGE, USA)

SESSION TIME: 2:00 PM -3.45 PM (DAY 3: 9th OCT 2026)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571332382	Enhancing Poultry House Monitoring Through Automated Notifications Using Cloud Computing and the Internet of Things	Alberto Oviedo-Argueta (Universidad Salvadoreña Alberto Masferrer, El Salvador); Omar Otoniel Flores-Cortez (Universidad Tecnológica de El Salvador, El Salvador); José Miguel Chopin Rodríguez and Mirna Celia Rocío Alvarado Palacios (USAM, El Salvador); Bryan Edenilson Avalos Sánchez (UTEC, El Salvador)
2:15 PM – 2:30 PM	1571338372	Cloud-Native Metadata-Driven Event Orchestration Framework for Dynamic Cross-Workflow Dependency Management in Enterprise Data Platforms	Utpal Kumar Das (Knitwell Group, USA)
2:30 PM – 2:45 PM	1571338614	A Bilingual Narrative Prompt System for Autism Spectrum Disorder Constraining a Vision-Language Model to First-Person Voice	John M Esparragoza (University of Houston-Downtown, USA); Nereida Vazquez (Texas A&M University - College Station, USA); Berenice de la Cruz (Texas A&M University-San Antonio, USA); Armando Delgado, Jr (Los Angeles Valley College, USA); Damian Valles (Texas State University, USA)
2:45 PM -3:00 PM	1571338643	ScreenForensics: A Multimodal Framework for Forensic Classification in Mobile Screenshots	Tasnia Tabassum (Sam Houston State University, USA); Madhab Chandra Das (Sam Houston State University, USA & Washington University of Science and Technology, USA); Sajid Ahmed and Qingzhong Liu (Sam Houston State University, USA)
3:00 PM – 3:15 PM	1571339007	Disrupting LLM-Drone Operations: Roleplay Based Prompting Jailbreak Attack on LLM-Enabled UAV	Karthisri Meghana Guntupalli, Michael Tu and Ashok Vardhan Raja (Purdue University Northwest, USA)
3:15 PM – 3:30 PM	1571339203	HealthBridge AI: An Inclusive and Secure Conversational Assistant for Remote Patient Monitoring	Preethi Gajawada, Teja Papadasu, Sri Santoshi Durga Tanmayee Bulusu, Madhu Babu Cherukuri and Sarita Singh (Northeastern University, USA)
3:30 PM – 3:45 PM	1571345938	DEAIB-Centered Design of a Multilingual and Voice-Enabled Healthcare Monitoring Application	Preethi Gajawada, Teja Papadasu, Sri Santoshi Durga Tanmayee Bulusu, Madhu Babu Cherukuri, Tsvetelina Hristova and Sarita Singh (Northeastern University, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

SESSION 21: INTELLIGENT COMPUTING MODELS**SESSION CHAIR:****SESSION TIME: 2:00 PM -3.45 PM (DAY 3: 9th OCT 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571336749	TC-KLA: A Generalized Temporal Convolution with Kernelized Linear Attention Network for EEG Seizure Detection	Hepseeba Kode (University of Bridgeport, USA); Khaled M. Elleithy (School of Engineering, University of Bridgeport, USA)
2:15 PM – 2:30 PM	1571338640	Standing the Test of Time: A Longitudinal Evaluation of Deep Learning Models for EEG-Based User Authentication	Richard Matovu (Gannon University, USA); Ajinkya Jadhav (Colorado Technical University, USA); Racheal Mukisa (Kent State University, USA); Twinkle Paraye (Gannon University, USA)
2:30 PM – 2:45 PM	1571346344	FingerSpeak: Evaluating Real-Time ASL Recognition Using Landmark-Based Machine Learning	Avantika Jangeesh (Academy of the Canyons, USA); Vipindev Adat Vasudevan (Optimum, USA)
2:45 PM -3:00 PM	1571339355	Beyond the Click: How Dark Patterns Degrade Privacy Decision Quality	Marc Dupuis, Neha Kotwal and Kshitij Barapatre (University of Washington, USA)
3:00 PM – 3:15 PM	1571339371	Recommended, Unsafe, or Neutral? How Action-Button Labels Shape Security Decisions	Marc Dupuis, Mandaar Rao and Stone Lei Cao (University of Washington, USA)
3:15 PM – 3:30 PM	1571339314	Multiple Accounts as Informal Privacy Infrastructure: Managing Audiences and Anticipated Regret on Social Media	Marc Dupuis, Alaris Peterson, Charles Hamilton-Eppler and Kanishka Joshi (University of Washington, USA); Zealous Zhu (University of Washington Bothell, USA)
3:30 PM – 3:45 PM	1571345818	Cost-Sensitive Learning Without Synthetic Data: A Matched Comparison of Imbalance Treatments for Three-Class Prediabetes Prediction on BRFSS 2015	Rahul Ponnumariappan and Caroline John (University of West Florida, USA)

All the timings are given in Eastern Daylight Time (EDT (UTC-4))

SESSION 22: NEXT-GEN AI PARADIGM**SESSION CHAIR: SRINIVAS RAHUL SAPIREDDY (ILLINOIS STATE UNIVERSITY, USA)****SESSION TIME: 2:00 PM -3.30 PM (DAY 3: 9th OCT 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571339231	Acoustic vs. Visual Embeddings for Automated Primate Bioacoustic Classification	Anya Dhall (Homestead High School, USA); Pallavi Bajpai (AIClub Research Institute, Mountain View, California, India)
2:15 PM – 2:30 PM	1571339847	Physics-Informed AI Agent PHY/MAC Adaptation Framework and Simulator for THz-OWC Convergence in Extreme-Band 6G Networks	Emmanuel Utochukwu Ogbodo (National Institute of Telecommunications, Brazil); Luciano Leonel Mendes (Inatel, Brazil)
2:30 PM – 2:45 PM	1571341173	Real-Time AI Driven Anomaly Detection for Fraud Prevention in High Volume Financial Systems	Saiteja Jonnalagadda (USA)
2:45 PM – 3:00 PM	1571335434	Classifying Critically Ill Patient Using Machine Learning Approaches	Eman Abdelfattah (Sacred Heart University, USA); Abdelrahman Elleithy (William Paterson University, USA)
3:00 PM – 3:15 PM	1571345415	Survey on AI-Driven Robotic Arm with Color Identification for Gripping Force Prediction Prior to 4-DOF Movement	Hong Yu and Caileen Wilson (Fitchburg State University, USA)
3:15 PM – 3:30 PM	1571345562	Attention Head Partitioning in CPU LLM Inference: Performance Sensitivity at Equal KV-Cache Size	Yu Zhao and Cheng Ji (University of Illinois Urbana Champaign, USA)

03:30 PM - 04:00 PM**COFFEE BREAK****VALEDICTORY SESSION****4:00 PM – 5:00 PM****All the timings are given in Eastern Daylight Time (EDT (UTC-4))**

