



# IEEE CCWC 2026

**2026 IEEE 16th Annual Computing and Communication Workshop and Conference (CCWC)**

**Physical Conference (University of Nevada, Las Vegas, USA)**

**Date: 5-7th Jan 2026**

**All the timings are given in Pacific Standard Time (UTC-8)**

# TECHNICAL SCHEDULE

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**All the timings are given in Pacific Standard Time (UTC-8)**

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**All the timings are given in Pacific Standard Time (UTC-8)**

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## DAY 1: 5th Jan 2026

TIME	PARALLEL SESSION
9:00 AM - 9:30 AM	INAUGURATION [ROOM– AUDITORIUM]
9:30 AM – 11:00 AM	SESSION 1: ALGORITHMS AND THEORY [ROOM - 1240]
9:30 AM – 11:00 AM	SESSION 2: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM– 1242]
9:30 AM – 11:00 AM	SESSION 3: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM– 1243]
9:30 AM – 11:00 AM	SESSION 4: ARTIFICIAL INTELLIGENCE [ROOM– AUDITORIUM]
11:30 AM-1:00 PM	KEYNOTE SESSION [ROOM - AUDITORIUM]
2:00 PM – 3:30 PM	SESSION 5: ARTIFICIAL INTELLIGENCE [ROOM - 1240]
2:00 PM – 3:30 PM	SESSION 6: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM - 1242]
2:00 PM – 3:30 PM	SESSION 7: BIG DATA, DATA MANAGEMENT AND ANALYTICS [ROOM NO – 1243]
2:00 PM – 3:30 PM	SESSION 8: CLOUD COMPUTING AND BIG DATA [ROOM– AUDITORIUM]
4:00 PM – 5:30 PM	SESSION 9: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO – 1240]
4:00 PM – 5:30 PM	SESSION 10: AI AND SIGNAL PROCESSING [ROOM NO – 1243]
4:00 PM – 5:30 PM	SESSION 11: BIG DATA, DATA MANAGEMENT AND ANALYTICS [ROOM NO – 1242]
4:00 PM – 5:30 PM	SESSION 12: ARTIFICIAL INTELLIGENCE AND SECURITY [ROOM NO – AUDITORIUM]

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## PARALLEL SESSIONS

### SESSION 1: ALGORITHMS AND THEORY [ROOM- 1240]

**SESSION CHAIR: AJAY KUMARA (UNIVERSITY OF NORTH CAROLINA WILMINGTON, USA)**

**SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 5<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571226321	Accelerating PointPillars with Background Filtering for Faster Roadside Vehicle Detection and Classification	Rachel Gilyard, Shonan Hendre and Jordan Aviles (California State University, Northridge, USA); Bingbing Li (California State University Northridge, USA); Xudong Jia (Central Connecticut State University, USA); Xunfei Jiang (California State University, Northridge, USA)
9.45 AM -10.00 AM	1571227136	Neural Network Approximation of Algebraic Riccati Equation Solutions for Optimal Control	Lisa M. Kuhn and Allen Mire (Southeastern Louisiana University, USA)
10.00 AM – 10.15 AM	1571227142	A Hybrid FEM-NN with Embedded Boundary Conditions for Solving Second and Fourth Order ODE Boundary Value Problems	Allen Mire and Lisa M. Kuhn (Southeastern Louisiana University, USA)
10.15 AM -10.30 AM	1571226449	Error Function Regularization: A New Approach to Sparse Logistic Regression	John Albright, Jianqing Jia and Yifei Lou (The University of North Carolina at Chapel Hill, USA)
10:30 AM – 10:45 AM	1571225923	Stress Detection Through Sleep-Based Physiological Signals: An Integrated Semi-Supervised and Supervised Learning Approach	Jittapatana Prayoonpruk, Maxwell Kozlov, Brandon Ismalej, Abhinav Neelam, Xunfei Jiang and Nhut Ho (California State University, Northridge, USA)
10:45 AM – 11:00 AM	1571228657	Domain-Adversarial Transfer Learning for Urban Crime Forecasting: A Case Study of the Surrey-Langley SkyTrain Expansion	Andrew J. Park and Daiwik Bhola (Trinity Western University, Canada); Valerie Spicer (Langara College, Canada); Patricia L. Brantingham (Simon Fraser University, Canada)

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SESSION 2: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM- 1242]			
SESSION CHAIR: AJAY K SHRESTHA (VANCOUVER ISLAND UNIVERSITY, CANADA)			
SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 5 <sup>th</sup> Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571226334	Interpreting Negation in GPT-2: Layer- and Head-Level Causal Analysis	Abdullah Al Mofael, Lisa M. Kuhn, Ghassan Alkadi and Kuo-Pao Yang (Southeastern Louisiana University, USA)
9.45 AM – 10.00 AM	1571227209	A Self-Attention Enhanced Deep Learning Framework for Fatigue Prediction	Abhinav Neelam, Xunfei Jiang and Nhut Ho (California State University, Northridge, USA)
10.00 AM -10.15 AM	<b>1571227891</b>	Analysing the Role of Multi-Agent AI Models for Autonomous Business Decision Systems	Chitiz Tayal (Axtria, USA); Sujit Murumkar (Axtria Inc, USA); Sammip Biradar (Suzy Inc, USA)
10.15 AM -10.30 AM	<b>1571227895</b>	Assessing the Scope of Optimising Operational Roles Through Intelligent Automation Frameworks	Chitiz Tayal (Axtria, USA)
10:30 AM – 10:45 AM	1571227212	Detecting Code from Evolving LLMs: Temporal Drift, Generalization, and Adaptation	Edwin G Dauber, Jr (Widener University, USA)
10:45 AM – 11:00 AM	1571227005	Real-Time Prediction of Lecture Room Utilization and Student Counts from Wi-Fi Traffic Data	Yohei Sakatani (Osaka Univeisity, Japan); Yuichi Ohsita, Kenji Ohira and Hideyuki Shimonishi (The University of Osaka, Japan)

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**SESSION 3: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM- 1243]****SESSION CHAIR: HEBA ELGAZZAR (ILLINOIS STATE UNIVERSITY, USA)****SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 5<sup>th</sup> Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
9.30 AM – 9.45 AM	1571226857	Predicting Galaxy Redshifts Using Machine Learning Techniques	Ishaan Kabra (Mission San Jose High School, USA); Chaya Ravindra (REVA University, India)
9.45 AM – 10.00 AM	1571227199	Synthetic Intuition: A System-1/System-2 Architecture for Fast and Slow Thinking in Large Language Models	Jasmin Jarsania and Vivek Patel (USA)
10.00 AM -10.15 AM	1571226909	LLM-Driven Resume Parsing and Job Description Matching: Evaluation on 998 Real Resumes	Md Abdullah Al Asad (Clark Atlanta University, USA)
10.15 AM -10.30 AM	1571226488	Quality Outweighs Quantity: Advancing Medical Question Answering with RAG-MCP Muti-Agent LLM Framework and Curated Knowledge Databases	Troy Liu (Green Valley High School, USA); Ming Zhu and Shengjie Zhai (University of Nevada Las Vegas, USA)
10:30 AM – 10:45 AM	1571227138	ZooStack: SHAP-Guided Meta-Ensemble Learning for Explainable Few-Shot Disease Prediction with Minimal Labeled Data	Luis M Cardenas (University of Nevada Las Vegas, USA); Vanessa Jiang (The Meadows School, USA); Torryana Tanis and Ming Zhu (University of Nevada Las Vegas, USA); Shue Wang (University of New Haven, USA); Shengjie Zhai (University of Nevada Las Vegas, USA)
10:45 AM – 11:00 AM	1571227182	Enhancing Medical Question Answering via a Multi-Agent Debate Framework	Daze Lu (University of Nevada Las Vegas); Vanessa Jiang (The Meadows School, USA); Ming Zhu and Shengjie Zhai (University of Nevada Las Vegas, USA)

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**SESSION 4: ARTIFICIAL INTELLIGENCE [ROOM- AUDITORIUM]****SESSION CHAIR: ABDELMOUNAAM REZGUI (ILLINOIS STATE UNIVERSITY, USA)****SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 5<sup>th</sup> Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
9.30 AM – 9.45 AM	<b>1571227101</b>	Ransom Sentinel (RaSe): A Study Towards Defense Against Ransomware	Jessica Theodore (Quinnipiac College, USA); Dawit Kasy and Chetan Jaiswal (Quinnipiac University, USA)
9.45 AM – 10.00 AM	1571228358	Reinforcing Digital Banking Onboarding with Generative AI Fraud Detection	Veeramani Sampathkumar (Fiserv, USA); Rajesh Kotha (Software Development Engineering Advisor - Fiserv, USA); Dinesh Kumar Ramaraj (System Architect - Ericsson, USA)
10.00 AM -10.15 AM	1571228636	Federated Explainable AI for Fair and Inclusive Credit Scoring: A Comprehensive Review	Veeramani Sampathkumar (Fiserv, USA); Ishan Prashant Pathak (Texas A&M University-Kingsville, USA); Dinesh Kumar Ramaraj (System Architect - Ericsson, USA); Rajesh Kotha (Software Development Engineering Advisor - Fiserv, USA); Darshan Pankajkumar Patel (Texas A&M University - Kingsville, USA)
10.15 AM -10.30 AM	1571224355	What is Real Anymore? A Solution to Detect Hyper Realistic AI-Generated Imagery	Andrew McDonald, Ahmad Al Doulat and Mohammad S Khan (East Tennessee State University, USA); Chelsie Marie Dubay (East Tennessee State University & University of Alabama - Birmingham, USA); Jeff Roach (East Tennessee State University, USA)
10:30 AM – 10:45 AM	1571226869	Open-Source Autonomous Vehicle as a Safety and Transportation Research Platform	Hyun Sik Oh (University of Nevada, Las Vegas USA) et. Al.
10:45 AM – 11:00 AM	1571228611	Efficient Edge AI for Manufacturing: A Comparative Study of YOLOv8 Models on the Raspberry Pi 500	Marcelo T Okano (Paulista University - UNIP, Brazil); William A. P. Lopes (Paulista University UNIP, Brazil); Sergio Miele Ruggero (Paulista University (UNIP), Brazil)

**COFFEE BREAK****11:00 AM- 11:30AM****All the timings are given in Pacific Standard Time (UTC-8)**

**KEYNOTE SESSION [DAY 1: 5th Jan 2026] [ROOM- AUDITORIUM]**

<b>TIME</b>	<b>NAME OF THE EVENT</b>
<b>11:30 AM – 12:15 PM</b>	<b>KEYNOTE ADDRESS BY PROF. DANIJELA CABRIC (PROFESSOR, UNIVERSITY OF CALIFORNIA, LOS ANGELES)</b>  <b>TITLE OF TALK: MEETING 6G DEMANDS FOR ENERGY EFFICIENCY AND ACCESS TO MID-BAND SPECTRUM</b>
<b>12:15 PM – 1:00 PM</b>	<b>KEYNOTE ADDRESS BY TARA JAVIDI (PROFESSOR, UNIVERSITY OF CALIFORNIA, SAN DIEGO)</b>  <b>TITLE OF TALK: PHYSICAL ATTENTION AND ACTIVE INFERENCE FOR PHYSICALLY EMBEDDED AI AT SCALE</b>

<b>1:00 PM-2:00 PM</b>	<b>LUNCH BREAK</b>
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## PARALLEL SESSIONS

### SESSION 5: ARTIFICIAL INTELLIGENCE [ROOM- 1240]

**SESSION CHAIR: AJAY KUMARA (UNIVERSITY OF NORTH CAROLINA WILMINGTON, USA)**

**SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 5<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571222685	Examples of Calculating Indirect Costs for a Hack	Sai Ranganath Mikkilineni (Delaware State University, USA); Albert H Carlson (Quantum Security Alliance, USA); Benjamin Williams (University of Idaho, USA); Mandeep Singh and Ariana Carlson (USA); Christopher Briscoe (Emet Classical Academ, USA)
2.15 PM – 2.30 PM	1571225930	Investigating Self-Contradiction in Large Language Models for Hate Speech Detection	Amit Das (University of North Alabama, USA); Zheng Zhang (Murray State University, USA)
2.30 PM - 2.45 PM	1571226964	Large Language Model Deployment on Resource-Constrained Edge Devices: A Practitioner's Survey	Rahul Maliakkal, Yashasvi Makin, Rohit Jain and Plawan Rath (Meta Platforms Inc., USA); Ankur Sadhoo (Meta, USA)
2.45 PM – 3.00 PM	1571226669	Edge-AI Framework for Air Quality Index (AQI) Forecasting with Quantized Deep Learning Models	Anandi Dutta, Kazi Sifatul Islam and Damian Valles (Texas State University, USA)
3.00 PM – 3.15 PM	1571226826	Privacy-Preserving RAG System for Personal Document Question Answering	Kesava Manikanta Chirumamilla and Abdus Salam Siddique (Arkansas Tech University, USA)
3.15 PM - 3.30 PM	1571227099	COVID-19 YouTube Videos in the Late Pandemic: How Faces Detected on Thumbnails and Alignment of Thumbnails with Titles and Descriptions Relate to Engagement?	Nirmalya Thakur, Fletcher Anderson, Faria Nishat Khan and Steve Nathan De Sa (South Dakota School of Mines and Technology, USA)

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**SESSION 6: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM- 1242]****SESSION CHAIR: SHENGJIE ZHAI (UNIVERSITY OF NEVADA LAS VEGAS, USA)****SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 5<sup>th</sup> Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
2.00 PM – 2.15 PM	1571227117	An Agentic AI Framework for Explainable Health Insurance Decision Support	Anish Ilapaka and Robin Ghosh (Arkansas Tech University, USA)
2.15 PM – 2.30 PM	1571227161	AI-Driven Immersive Emulation for Tabletop Scenarios	Trenton W Watkins, Benjamin Davis and Raveendra Babu Ponnuru (Virginia Military Institute, USA); Mohamed Azab (CIS, Virginia Military Institute, USA)
2.30 PM - 2.45 PM	1571227211	A Machine Learning Approach for Fibromyalgia Identification	Siri Belavigi (AiClub, USA)
2.45 PM – 3.00 PM	1571227223	Fall Assist Companion: An Intelligent System for Robot-Assisted Fall Management to Support Elderly Care	Nirmalya Thakur (South Dakota School of Mines and Technology, USA)
3.00 PM – 3.15 PM	1571229118	Transfer Learning for Normal Prephera Blood Cells Classification in Microscopy Images	Lina Chato (University of South Dakota, USA)
3.15 PM - 3.30 PM	1571225728	Leveraging Spatiotemporal Dependencies for Enhanced Deepfake Video Detection	Rashida Hasan, Aghera Krutarth and Vaishnavi Sen (California State University, Northridge, USA); Vijay Srinivas Tida (Saint John's University, USA)

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**SESSION 7: BIG DATA, DATA MANAGEMENT AND ANALYTICS [ROOM- 1243]****SESSION CHAIR: AJAY K SHRESTHA (VANCOUVER ISLAND UNIVERSITY, CANADA)****SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 5<sup>th</sup> Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
2.00 PM – 2.15 PM	<b>1571225987</b>	Cost-Effective High-Cardinality Data Stream Processing: A Comparative Analysis of Probabilistic Data Structures for Enterprise-Scale Applications	Ishay Shor (Tangent Logic, USA); Akshay Mittal (University of the Cumberlands, USA)
2.15 PM – 2.30 PM	1571227114	GANterpolate+: A Unified Framework for Data Reconstruction in Sparse and Heterogeneous Domains	Vaibhavi Tiwari (Montclair State University, USA & NYC DOHMH, USA); Krishanu Agrawal (Stevens Institute of Technology, USA); Venkata Sai Ram Dasari (Montclair State University, USA)
2.30 PM - 2.45 PM	<b>1571223651</b>	Policy-Aware RAG on the Lakehouse: Lineage-Driven Retrieval over Apache Iceberg on S3 to Reduce Hallucination and Cost	Vivek Venkatesan (Vanguard, USA); Pranoy Saha (The Vanguard Group, USA); Girish Vasudevan (Vanguard, USA); Gayathri Balakumar (Capital One, USA); Gunasekar Pullur Balu (The Vanguard Group, USA & Deloitte, IBM, USA)
2.45 PM – 3.00 PM	1571223819	A Trustworthy Hybrid ML–GenAI Architecture for Autonomous, Behavior-Aware Resource Allocation in Internet2 Traffic	Shideh Yavary Mehr and Abhishek Phadke (Old Dominion University, USA)
3.00 PM – 3.15 PM	1571227112	Rule-Based Classification and Clustering for Thematic Analysis of Research Papers	Dm. Mehedi Hasan Abid and JingTao Yao (University of Regina, Canada)
3.15 PM - 3.30 PM	1571227195	Early Prediction of Alzheimer's Disease and Related Dementias Using Machine Learning and Claims Data	Xingyue Huo and Joseph Finkelstein (University of Arizona, USA)

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**SESSION 8: CLOUD COMPUTING AND BIG DATA [ROOM- AUDITORIUM]****SESSION CHAIR: LANIER WATKINS (JOHNS HOPKINS UNIVERSITY INFORMATION SECURITY INSTITUTE, USA)****SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 5<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571226396	Quantum-Inspired Algorithms for Large-Scale Data Analytics: A Tensor Network Approach	Jasmin Jarsania and Chhelabhai Chavda (USA)
2.15 PM – 2.30 PM	1571226897	Toward Explainable Contextual Recommendations: A Gray-Box LLM Framework	Nusrat Mary (University of North Texas, USA)
2.30 PM - 2.45 PM	1571227163	Glucogaze: A Risk Prediction Tool for microRNAs as Novel Biomarkers for Type 2 Diabetes Mellitus and Linked Diseases	Saket Pathak (Silver Creek High School, USA)
2.45 PM – 3.00 PM	<b>1571223846</b>	A Privacy-Preserving Data Pipeline Architecture for Federated and Generative AI Collaboration	Vivek Venkatesan (Vanguard, USA); Gayathri Balakumar (Capital One, USA); Girish Vasudevan (Vanguard, USA); Gunasekar Pullur Balu (The Vanguard Group, USA & Deloitte, IBM, USA); Pranoy Saha (The Vanguard Group, USA)
3.00 PM – 3.15 PM	<b>1571225578</b>	Intent-Aware Clickstream Analytics with Explainable AI: A Scalable Data Engineering Framework	Vivek Venkatesan (Vanguard, USA); Balaji Sundareshan (Tumeke Ergonomics, USA & Northeastern University, USA); Deepak Barla (Carilion Clinic, USA & Umass Lowell, USA); Chakkaravarthy Arunachalam (VRTX, USA)
3.15 PM - 3.30 PM	1571227668	Agentic Retrieval for Conversational Memory in LLM-Based Chatbots	Volkan Turgut and Qusay Mahmoud (Ontario Tech University, Canada)

**3.30 PM–4.00 PM****COFFEE BREAK****All the timings are given in Pacific Standard Time (UTC-8)**

## PARALLEL SESSIONS

### SESSION 9: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM- 1240]

**SESSION CHAIR: MING ZHU (UNIVERSITY OF NEVADA LAS VEGAS, USA)**

**SESSION TIME: 4:00 PM – 5.45 PM (DAY 1: 5<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4.00 PM – 4.15 PM	1571228621	Scaling the Internet to the Things: Combining Named Data Networking, Software-Defined Networking, and AI to Support the Next 50 Billion IoT Devices	Abdelmounaam Rezgui (Illinois State University, USA)
4.15 PM – 4.30 PM	<b>1571225356</b>	Convenience vs. Control: A Qualitative Study of Youth Privacy with Smart Voice Assistants	Molly Campbell, Trevor De Clark, Mohamad Sheikho Al Jasem, Sandhya Joshi and Ajay K Shrestha (Vancouver Island University, Canada)
4.30 PM – 4.45 PM	<b>1571223241</b>	Balancing Usability and Compliance in AI Smart Devices: A Privacy-by-Design Audit of Google Home, Alexa, and Siri	Trevor De Clark, Yulia Bobkova and Ajay K Shrestha (Vancouver Island University, Canada)
4.45 PM - 5.00 PM	<b>1571229114</b>	A Multi-Objective Algorithmic Framework for Automatic Network Bill-of-Materials Generation in AI-Centric Hyper-Scale Data Centers	Krishna Chaitanya Sunkara (Oracle, USA); Krishnaiah Narukulla (Apple, USA & Roku, USA); Rambabu Konakanchi (Charles Schwab Corporation, USA)
5.00 PM – 5.15 PM	<b>1571227140</b>	AMO-FoA: Tool-Augmented AIOps for Reliable RCA in Cloud-Native Systems	Akshay Mittal (University of the Cumberlands, USA); Krishna Kandi (USA); Rafiuddin Syed and Sagar Mahajan (None, USA)
5.15 PM – 5.30 PM	<b>1571201445</b>	Anomaly Detection for Industrial Equipment Using PatchCore on Audio and Vibration Spectrograms	Hinako Shimizu (National Institute of Technology, Nagaoka College, Japan); Yano Shouhei (National Institute of Technology Nagaoka College, Japan)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 10: AI AND SIGNAL PROCESSING [ROOM- 1242]			
SESSION CHAIR: NIRMALYA THAKUR (SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, USA)			
SESSION TIME: 4:00 PM – 5.45 PM (DAY 1: 5 <sup>th</sup> Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4.00 PM – 4.15 PM	1571227674	Hybrid Machine Learning Algorithms-Based IoT Architecture for Real-Time Smart Home: Activities Classification and Anomaly Detection	Alemayehu Belay Kassa, Hailu Kassa Belay and Kevin Kornegay (Morgan State University, USA)
4.15 PM – 4.30 PM	<b>1571227183</b>	Page-Level Shannon Entropy from Top-K Logprobs Predicts OCR Quality	Alexei Kaltchenko (Wilfrid Laurier University, Canada)
4.30 PM – 4.45 PM	<b>1571227238</b>	Entropy-Based Confidence for Speech-to-Text Recognition	Alexei Kaltchenko and Abigail Grimoldby (Wilfrid Laurier University, Canada)
4.45 PM - 5.00 PM	<b>1571228612</b>	Integrating Research into Capstone Projects: A Case Study of Dual-Instructor Approach	Shangyue Zhu and Chunming Gao (Central Washington University, USA)
5.00 PM – 5.15 PM	1571228605	Data-Driven Culturomic Analysis of Historical Themes in Fiction Using Decade-Level Topic Modeling	Ahmad Al Doulat, Michael Freeman and Mohammad S Khan (East Tennessee State University, USA)
5.15 PM – 5.30 PM	<b>1571222795</b>	Toward Youth-Centered Privacy-by-Design in Smart Devices: A Systematic Review	Molly Campbell, Mohamad Sheikho Al Jasem and Ajay K Shrestha (Vancouver Island University, Canada)

**All the timings are given in Pacific Standard Time (UTC-8)**



**SESSION 11: ARTIFICIAL INTELLIGENCE AND PATTERN RECOGNITION [ROOM- 1243]****SESSION CHAIR: SHENGJIE ZHAI (UNIVERSITY OF NEVADA LAS VEGAS, USA)****SESSION TIME: 4:00 PM – 5.45 PM (DAY 1: 5<sup>th</sup> Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
4.00 PM – 4.15 PM	<b>1571227090</b>	Optimizing Energy Management Strategy for EV Wireless Charging Efficiency Using Proximal Policy Optimization	Ava P George (Fullerton College, USA)
4.15 PM – 4.30 PM	<b>1571227155</b>	Regression-Based Modeling of Antisense Oligonucleotide Efficacy Using Sequence, Structural, and off-Target Features	Ava P George (Fullerton College, USA)
4.30 PM – 4.45 PM	<b>1571227169</b>	When Smaller Models Run Slower: Hardware Efficiency Bottlenecks in VLM Inference on Unified Memory	FNU Harsh (Seattle, USA); Jasmin Jarsania (USA); Aakansha Nagwani (Seattle, USA); Smarth Behl (USA, USA); Mantek Singh (Liverpool John Moores University & Google, USA); Akash Gupta (Visvesvaraya National Institute of Technology, India)
4.45 PM - 5.00 PM	<b>1571227236</b>	Attention-Aware Multi-Level Caching for Efficient Multimodal Vision-Language Inference	FNU Harsh and Aakansha Nagwani (Seattle, USA); Jasmin Jarsania (USA); Akash Gupta (Visvesvaraya National Institute of Technology, India)
5.00 PM – 5.15 PM	1571225470	A Novel Approach for Authentication in Web-Based Applications Using Digital Illustration Recognition	Ian Mullins (Morehead State University, USA); Heba Elgazzar (Illinois State University, USA)
5.15 PM – 5.30 PM	<b>1571226924</b>	Increasing Cocoa Yields: Technical Approaches to Pollinator Classification with YOLO	Sahana Srinivasan (Los Altos High School, USA)
5.30 PM – 5.45 PM	1571227118	Machine Learning Approach for Cancer Detection, Subtyping, and Progression Using TP53 Gene Mutation Signatures	Anoushka Vijay (Notre Dame High School, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 12: ARTIFICIAL INTELLIGENCE AND SECURITY [ROOM-AUDITORIUM]			
SESSION CHAIR: LISA M. KUHN (SOUTHEASTERN LOUISIANA UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5.45 PM (DAY 1: 5 <sup>th</sup> Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4.00 PM – 4.15 PM	1571225764	Machine Learning Techniques for Continuous User Authentication Based on Mouse and Keystroke Dynamics	Noah Cupps (Morehead State University, USA); Heba Elgazzar (Illinois State University, USA)
4.15 PM – 4.30 PM	1571223486	AC Advisor - a Comparative Evaluation of Machine Learning and State Space Models for Automobile Air Conditioning Energy Prediction	Hemanth Kumar Tulabandula and Kiranmayee Lokam (California State University, Northridge, USA); George Wang (CSUN, USA)
4.30 PM – 4.45 PM	<b>1571227162</b>	AutoSOC Cyber Analyst (ASOC-CA): Using AI to Automate SOC Tier 1 & 2 Activities	Iason Mihalopoulos, Jen-Ryann Ngo-Antonio and Matthew Pugh (Johns Hopkins University, USA); Damon Neal (Microsoft, USA); Yinzhi Cao (Johns Hopkins University, USA); Lanier Watkins (Johns Hopkins University Information Security Institute, USA)
4.45 PM - 5.00 PM	<b>1571228624</b>	Quantum Computing: An Emerging or Immediate Threat to Classical AI-Based Security Systems?	Garrv Sipani, Austin Jaison Jose, Saanvi Ravi and Yinzhi Cao (Johns Hopkins University, USA); Lanier Watkins (Johns Hopkins University Information Security Institute, USA)
5.00 PM – 5.15 PM	1571224572	Asynchronous Routing for Multipartite Entanglement in Quantum Networks	Chenliang Tian (Washington University, USA) et. Al.
5.15 PM – 5.30 PM	<b>1571226905</b>	Building an Open-Source Data Lakehouse: A Hands-on Exploration	Md Abdullah Al Asad (Clark Atlanta University, USA)
5:30 PM – 5.45 PM	<b>1571225170</b>	Optimizing Big Data Workflows Using AI and Machine Learning	Sujit Murumkar (Axtia Inc, USA); Chitiz Tayal (Axtia, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

## Day 2: 6th Jan 2026

TIME	PARALLEL SESSION
9:30 AM-11:00 AM	SESSION 13: ARTIFICIAL INTELLIGENCE AND SECURITY [ROOM - 1240]
9:30 AM-11:00 AM	SESSION 14: ARTIFICIAL INTELLIGENCE AND WIRELESS COMPUTING [ROOM NO – 1242]
9:30 AM-11:00 AM	SESSION 15: ARTIFICIAL INTELLIGENCE AND WIRELESS COMMUNICATION [ROOM - 1243]
9:30 AM-11:00 AM	SESSION 16: APPLICATION OF ARTIFICIAL INTELLIGENCE [ROOM - AUDITORIUM]
11:30 PM – 1.00 PM	KEYNOTE SESSION [ROOM - AUDITORIUM]
2:00 PM – 4:00 PM	TUTORIAL 1: APPLICATIONS ON GENERATIVE AI [ROOM –AUDITORIUM]
2.00 PM–3:15 PM	SESSION 17: AI, PATTERN RECOGNITION AND SECURITY, TRUST AND PRIVACY [ROOM - 1240]
2.00 PM–3:15 PM	SESSION 18: AI AND VLSI [ROOM - 1242]
2.00 PM–3:30 PM	SESSION 19: ARTIFICIAL INTELLIGENCE; MACHINE LEARNING AND WIRELESS COMMUNICATION [ROOM - 1243]
4.00 PM- 6.00 PM	SESSION 20: SYSTEMS AND SOFTWARE ENGINEERING [ROOM – 1240]
4.00 PM- 6.00 PM	SESSION 21: ARTIFICIAL INTELLIGENCE AND EMBEDDED SYSTEMS [ROOM NO – 1242]
4.00 PM- 6.00 PM	SESSION 22: ARTIFICIAL INTELLIGENCE AND ALGORITHMS [ROOM NO – 1243]
4.00 PM- 6.00 PM	SESSION 23: ALGORITHMS AND THEORY [ROOM– AUDITORIUM]

**All the timings are given in Pacific Standard Time (UTC-8)**

## PARALLEL SESSIONS

### SESSION 13: ARTIFICIAL INTELLIGENCE AND SECURITY [ROOM- 1240]

**SESSION CHAIR: HEBA ELGAZZAR (ILLINOIS STATE UNIVERSITY, USA)**

**SESSION TIME: 9.30 AM-11.00 AM (DAY 2: 6th Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	<b>1571226946</b>	Risk Management in AI-Driven Sustainable E-Commerce Transformations: A Comprehensive Framework for Digital Business Resilience	Karan Kumar Ratra (Walmart Global Tech, USA); Pabitra Saikia (Truist Bank, USA); Liyaqatali Nadaf (Walmart Global Tech, USA)
9.45 AM -10.00 AM	<b>1571228573</b>	Characterizing Symbolic Execution Behavior on Evasive Malware	Ajay Kumara Makanahalli Annaiah, Rachel Soubier and Shahid Ali Lodin (University of North Carolina Wilmington, USA)
10.00 AM – 10.15 AM	<b>1571227957</b>	A Dynamic Time Warping Based Cyber-Physical Intrusion Detection System for Smart Grid and Smart Metering Infrastructure	Harsh Kumar (University of Indianapolis, USA); Sanjeev Kumar (University of Texas - RGV, USA)
10.15 AM -10.30 AM	<b>1571223847</b>	SOFTAT: Towards Socially-Aware, Fair, and Trustworthy Assistive Technology	Youna Jung (Northeastern University, USA); Yoosun Chung (George Mason University, USA); Chanee Choi (University at Albany, USA); Sunme Lee (Texas A&M University, USA); Songyon Shin (Nevada State University, USA)
10:30 AM – 10:45 AM	<b>1571226673</b>	LLM-Augmented Semantic Resonance System (SRR): A Unified Triple-Objective Architecture for Deep Sequential Recommendation	Vinay Venkatesh (Google, USA); Devdas Gupta (USA); Lav Kumar (Salesforce Inc, USA); Ganesh Harke (Citi, USA)
10:45 AM – 11:00 AM	<b>1571227239</b>	FedSpikeViT: Energy-Adaptive Federated Learning Framework for Spiking Vision Transformers with Dynamic Drift Detection in Solar-Harvested Edge Networks	Ravi Gupta (AMD, USA); Nishant Singh and Ramya Kakarlapudi (Micron Technology, USA); Praveen Chinapla (Applied Materials, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 14: ARTIFICIAL INTELLIGENCE AND WIRELESS COMPUTING [ROOM- 1242]			
SESSION CHAIR: ABDELMOUNAAM REZGUI (ILLINOIS STATE UNIVERSITY, USA)			
SESSION TIME: 9.30 AM–11.00 AM (DAY 2: 6th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571227119	A Deep Learning Approach to Efficient Corn Pest Detection: Evaluating YOLO Models for Sustainable Agriculture	Sumedha Mishra (Rancho Bernardo High School, USA); Atul Dubey (AI Club, India); Vani Kandasamy (AIClub Research Institute, USA)
9.45 AM -10.00 AM	<b>1571226914</b>	AI-Augmented Software Engineering for Rapid Feature Delivery and Operations Automation	Sureshkumar Karuppuchamy (EBAY Inc, USA)
10.00 AM – 10.15 AM	1571227127	U-Net Convolutional Neural Network Architecture for Defect Quantification in Discontinuous Fiber-Reinforced Composites	Julia Marie Greely, Vahraz Honary and Paulina Diaz-Montiel (University of San Diego, USA)
10.15 AM -10.30 AM	<b>1571226858</b>	DP-Prox: A Robust and Differentially Private Framework for Federated Instruction Tuning of Small LLMs on 8 GB Edge Devices	Vinay Venkatesh (Google, USA); Yichen Liu (University of California San Diego, USA)
10:30 AM – 10:45 AM	1571224357	Hybrid Edge AI and Augmented Reality System for Offline Herb Identification in Low-Connectivity Supply Chains	Marcelo T Okano (Paulista University - UNIP, Brazil); William A. P. Lopes (Paulista University UNIP, Brazil); Samira Antunes (Paulista University - UNIP, Brazil); Sergio Miele Ruggero (Paulista University (UNIP), Brazil)
10:45 AM – 11:00 AM	<b>1571226871</b>	Mission-Aware Resource Allocation and Safe Trajectory Control for Multi-UAV Edge-Enabled Sensing Networks	Abee Alazzwi, Petro Mushidi Tshakwanda and Henok Berhanu Tsegaye (University of New Mexico, USA); Harsh Kumar (University of Indianapolis, USA); Michael Devetsikiotis (University of New Mexico, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 15: ARTIFICIAL INTELLIGENCE AND WIRELESS COMMUNICATION [ROOM- 1243]			
SESSION CHAIR: GAYAN AMARASURIYA (SOUTHERN ILLINOIS UNIVERSITY, USA)			
SESSION TIME: 9.30 AM–11.00 AM (DAY 2: 6th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571228600	Local LLM-Assisted Unity Code Generation for Cyber-Physical Digital Twins	Kevin Renan Lugo (Nevada System of Higher Education, USA); Yoohwan Kim and Ju-Yeon Jo (University of Nevada, Las Vegas, USA)
9.45 AM -10.00 AM	1571207584	Key Press Velocities and Depth User Authentication	Majd Z. Tahat, Ayman Gharaibeh, William Francis, Luke McMillan and Lucas Feazel (Louisiana Tech University, USA); Baker Al Smadi (Grambling State University, USA); William B Glisson (Faculty/ Louisiana Tech University, USA); John Spurgeon (Louisiana Tech University, USA)
10.00 AM – 10.15 AM	1571223852	Hybrid Inference Pipelines for Spam Detection: A Reproducible Case Study in MLOps	Vivek Bharti (Roku Inc., USA)
10.15 AM -10.30 AM	<b>1571226912</b>	A Modular and Lightweight SDN-Enabled 5G Network Slicing Framework for Additive Manufacturing	Ashok Karukutla, Raddad Almaayn, Henok Berhanu Tsegaye and Petro Mushidi Tshakwanda (University of New Mexico, USA); Harsh Kumar (University of Indianapolis, USA); Abid Mohammad Ali and Michael Devetsikiotis (University of New Mexico, USA)
10:30 AM – 10:45 AM	1571227154	On-Device Small Language Model Inference Acceleration for Real-Time Robotics: A Survey	Anuja Dawane (University of Southern California, USA)
10:45 AM – 11:00 AM	<b>1571226318</b>	EfficientSkinTrans: Enhancing Dermatological Analysis Through a Hybrid ViT Network	Minh Anh Hoang (FPT University, Swinburne Vietnam, Vietnam); Hieu Phan Le Minh (FPT University, Swinburne Vietnam); Nam Vo Ngoc (FPT University, Swinburne Vietnam, Vietnam); Khuong Nguyen-Vinh (RMIT University Vietnam, Vietnam)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 16: APPLICATION OF ARTIFICIAL INTELLIGENCE [ROOM- AUDITORIUM]****SESSION CHAIR: LISA M. KUHN (SOUTHEASTERN LOUISIANA UNIVERSITY, USA)****SESSION TIME: 9.30 AM–11.00 AM (DAY 2: 6th Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	<b>1571225334</b>	NJ-EQUIP: A Spatiotemporal Analytics and Visualization Portal to Advance Energy Equity	Sarahana Shrestha and Andrew Taggart (Montclair State University, USA); Aparna Varde (University of Southern Denmark (SDU), Denmark)
9.45 AM -10.00 AM	<b>1571225394</b>	Autonomous Data Stewardship: Multi-Agent AI for Real-Time Master Data Management in Financial Services	Brij Mohan (LPL Financial, USA); Vinodkumar Reddy Surasani (RBC Wealth Management, USA); Rananjay Kumar (LPL Financial, USA)
10.00 AM – 10.15 AM	1571226629	A Secure Cyber Threat Intelligence Sharing Framework Using Sui Blockchain	Marc Lapira (California State University, San Marcos, USA); Nahid Ebrahimi Majd (California State University San Marcos, USA)
10.15 AM -10.30 AM	1571226803	D-RideX: A Provably Secure, Biometric-Enabled Authentication and Handshake Protocol for Decentralized Ride-Sharing	Raghu Avula and Cliff Zou (University of Central Florida, USA)
10:30 AM – 10:45 AM	1571228635	TRACE-AD: Temporal Representation Learning for Alzheimer's Classification from 3D MRI	Avni Israni and Marjan Asadinia (California State University, Northridge, USA)
10:45 AM – 11:00 AM	1571226776	Evaluating Robustness of Vision-Language Models Under Noisy Conditions	Purushoth Velayuthan and Alireza Tavakkoli (University of Nevada Reno, USA)

**11.00 AM- 11.30 AM****COFFEE BREAK****All the timings are given in Pacific Standard Time (UTC-8)**

**KEYNOTE SESSION [DAY 2: 6th Jan 2026] [ROOM– AUDITORIUM]**

<b>TIME</b>	<b>NAME OF THE EVENT</b>
<b>11:30 AM–12:15 PM</b>	<b>KEYNOTE TALK BY PROF. RAJ JAIN (WASHINGTON UNIVERSITY, USA)</b>  <b>TITLE OF TALK: QUANTUM NETWORKING: CHALLENGES AND RESEARCH OPPORTUNITIES</b>
<b>12:15 PM - 1:00 PM</b>	<b>KEYNOTE TALK BY PROF. ANANT SAHAI (UNIVERSITY OF CALIFORNIA, BERKELEY)</b>  <b>TITLE OF TALK: HOW TRADITIONAL SYSTEMS THEORY INSPIRED MODELS SHED LIGHT ON EMERGENT CAPABILITIES OF LLMS</b>

<b>1:00 PM-2.00 PM</b>	<b>LUNCH BREAK</b>
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<b>TUTORIAL 1: On Aspects of Virtual Reality By Dr. Phillip Bradford (University of Connecticut, Stamford, USA) [ROOM– 1243]</b>	<b>2.00 PM – 4.00 PM</b>
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**All the timings are given in Pacific Standard Time (UTC-8)**



## PARALLEL SESSIONS

SESSION 17: AI, PATTERN RECOGNITION AND SECURITY, TRUST AND PRIVACY [ROOM- 1240]			
SESSION CHAIR: AYAN ROY (CHRISTOPHER NEWPORT UNIVERSITY, USA)			
SESSION TIME: 2.00 PM – 3.15 PM (DAY 2: 6th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571226358	A PYNQ Z2 - NeuroShield Architecture for a Fast, Low-Energy and Privacy Preserving Image Classification	Hamza Blagui (ENSI, Tunisia); Lydia Bouzar-Benlabiod and Andrew McIntyre (Acadia University, Canada); Guy Paillet (General Vision Inc., USA)
2:15 PM – 2:30 PM	1571226767	From Detection to Action: Integrating Machine Learning and Large Language Models for Child Online Safety	Sherif Abdelhamid (Virginia Military Institute, USA); Mohamed S. Elhussiny (Washington and Lee University, USA)
2:30 PM – 2:45 PM	1571226846	Semantic Segmentation for Resource-Constrained Autonomous Driving	Priyank Kalgaonkar and David Gvadzabia (Lafayette College, USA)
2:45 PM -3:00 PM	1571226930	Spatiotemporal Feature Extraction from Vertical GRF Signals for Parkinson's Disease Severity Assessment Using PhysioNet and GAITPD	Nitya Jadeja and Shahram Latifi (University of Nevada, Las Vegas, USA)
3:00 PM – 3:15 PM	<b>1571226888</b>	Human-AI Synergy for Sustainable AI-Driven POS Ecosystems: A Framework for Intelligent Agile Project Delivery and Retail Operations	Pabitra Saikia (Truist Bank, USA); Uttam Kumar (American Eagle Outfitters, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

<b>SESSION 18: WIRELESS COMMUNICATION [ROOM-1242]</b>			
<b>SESSION CHAIR: UMME ZAKIA (NEW YORK INSTITUTE OF TECHNOLOGY, VANCOUVER, CANADA &amp; FATIGUE SCIENCE, CANADA)</b>			
<b>SESSION TIME: 2.00 PM – 3.15 PM (DAY 2: 6th Jan 2026)</b>			
<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
2:00 PM – 2:15 PM	1571225830	ISAC-Enabled SWIPT Through Massive MIMO	Janith Kavindu Dassanayake (Southern Illinois University, USA); Thulashan Sakalasuriya (University of Sri Jayawardenapura, Sri Lanka); Gayan Amarasuriya (Southern Illinois University, USA)
2:15 PM – 2:30 PM	1571227040	Development of a Visible Light Communication Device Using DCO-OFDM	Masato Annaka (National Institute of Technology, Sendai College, Japan); Hideyuki Kobayashi (National Institute of Technology, Sendai, Hirose, Japan)
2:30 PM – 2:45 PM	1571226195	Cost-Effective Availability-Aware Dimensioning for Cloud RAN	Chunyan Fu and Fetahi Wuhib (Ericsson Research, Canada)
2:45 PM -3:00 PM	1571226332	Scalable Automated Cloud-RAN Dimensioning for 6G Networks	Mbarka Soualhia and Chunyan Fu (Ericsson Research, Canada)
3:00 PM – 3:15 PM	1571226904	Efficient Privacy-Preserving in-Network Data Aggregation for Low-Latency Healthcare IoT	Huzaif Khan (California State University Dominguez Hills, USA); Sriven Srilakshmi Pulkaram (CSUDH, USA); Ali Jalooli (California State University, Dominguez Hills, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 19: ARTIFICIAL INTELLIGENCE; MACHINE LEARNING AND WIRELESS COMMUNICATION [ROOM- AUDITORIUM]****SESSION CHAIR: HARSH KUMAR (UNIVERSITY OF INDIANAPOLIS, USA)****SESSION TIME: 2.00 PM – 3.30 PM (DAY 2: 6th Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
2:00 PM – 2:15 PM	1571227105	Interaction-Centric Cybersecurity Risks in LLM-Powered Dialogue Systems	Pratyush Ranjan Jena and Samira Zad (Florida International University, USA); Rehan Akbar (School of Computing and Information Sciences, Florida International University, USA)
2:15 PM – 2:30 PM	1571227113	Energy-Efficient Indoor Air Quality Control via Cloud-Based Reinforcement Learning and Modular IoT Sensors	Alex Kagozi and Lina Chato (University of South Dakota, USA)
2:30 PM – 2:45 PM	1571227130	Machine Learning-Driven Visible Light Communication (VLC) Testbed for High-Accuracy Indoor Positioning and Orientation Detection	Nethshan M Narasinghe (University of North Dakota, USA); Mwp Maduranga (University of Sri Jayewardenepura, Sri Lanka); Poompat Saengudomlert (Bangkok University, Thailand); Vindula L Jayaweera (University of Sri Jayewardenepura, Sri Lanka); Hewa Kottage Isuru Shanaka Lakmal (NSBM Green University Town, Sri Lanka); Ryan Striker (University of North Dakota, USA)
2:45 PM -3:00 PM	1571227145	Adversarially Robust Industrial Control Systems Using a Generative Purification Pipeline	Raphael Alcober, Ilian Tyrrell Pangan and Yi Wang (Manhattan University, USA)
3:00 PM – 3:15 PM	1571227156	Real-Time Anomaly Detection Across Million-Vehicle Fleets Using Quantum-Inspired Classical Algorithms*	Dinesh Kumar Elumalai (American Honda Motor Co, USA); Damodhara Reddy Palavali (IT Professional, USA)
3:15 PM – 3:30 PM	1571227164	A Machine Learning-Based Diagnostic Utility for Predicting Ertapenem Resistance in Klebsiella Pneumoniae Using MALDI-TOF MS Spectra	Suhani Bansal (Design Tech High School, USA); Chaya Ravindra (AIClub Research Institute, Mountain View, California)

**3.30 PM-4.00 PM****COFFEE BREAK****All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 20: SOFTWARE ENGINEERING AND AI [ROOM- 1240]			
SESSION CHAIR: HARSH KUMAR (UNIVERSITY OF INDIANAPOLIS, USA)			
SESSION TIME: 4:00 PM – 5.45 PM (DAY 2: 6th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571226766	Beyond Anomaly Detection: Securing Critical Infrastructure Using PlantShield	Sanskar Shrivastava and Aditya Mathur (Singapore University of Technology and Design, Singapore)
4:15 PM – 4:30 PM	1571226820	Evaluating Flow in Open-Source Software	Kevin Gary (Arizona State University, USA); Disha Suresh (Intel, USA)
4:30 PM – 4:45 PM	1571226500	Wearable Health and Safety Monitoring Device	Ethan First, Richie Seipel and Jannatun Naher (Lehigh University, USA)
4:45 PM – 5:00 PM	1571226505	Design and Development of the R.E.A.C.H. (Rehabilitation, Engagement, Assistance, Control, Healing) Device for Individuals with Physical Disabilities	Eric Yang, Jannatun Naher and Hadley Ellison (Lehigh University, USA)
5:00 PM – 5:15 PM	1571226111	5G Core Resource Dimensioning for Multi-Operator Deployments	Carla Mouradian (Ericsson Research, Canada & Ericsson, Sweden); Fetahi Wuhib (Ericsson Research, Canada)
5:15 PM – 5:30 PM	1571224991	CNN-Enabled Scheduling for Probabilistic Real-Time Guarantees in Industrial URLLC	Eman Alqudah and Ashfaq Khokhar (Iowa State University, USA)
5:30 PM – 5:45 PM	1571228661	The Impact of Time-Aware Design Choices in ICS Anomaly Detection	Kazi Fazlee Rabbi, Helen H Lou and Xingya Liu (Lamar University, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 21: ARTIFICIAL INTELLIGENCE AND EMBEDDED SYSTEMS [ROOM- 1242]****SESSION CHAIR: APARNA VARDE (UNIVERSITY OF SOUTHERN DENMARK (SDU), DENMARK)****SESSION TIME: 4.00 PM – 5.45 PM (DAY 2: 6<sup>th</sup> Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
4:00 PM – 4:15 PM	1571227194	Advances in Automatic Sign Language Translation: A Survey of Techniques and Systems	Tristan Cravens and Sherif S. Rashad (Illinois State University, USA)
4:15 PM – 4:30 PM	1571227530	G-EDGE: A Graph-Based Edge-Level Hybrid AI Framework for Real-Time Cyberattack Detection in IoT Networks	Shideh Yavary Mehr and Abhishek Phadke (Old Dominion University, USA)
4:30 PM – 4:45 PM	1571227874	Hybrid Sequential Pattern Mining and Machine Learning for Context-Aware Event Prediction in IoT	Pooja Goyal (University of North Texas, USA); Bradley Helmholtz (Texas Christian University, Fort Worth, USA); Trinh Tran (University of North Texas, Denton, USA); Farhan Rahman Arnob and Renee Bryce (University of North Texas, USA)
4:45 PM – 5:00 PM	1571228309	Detecting Driver's Fatigue in Vehicular Safety Automation via Blockchain-Enabled Edge Computing	Zhuo Liu, Kousik Ahamed Ankon and Guangsheng Guo (New York Tech, Vancouver, BC, Canada); Umme Zakia (New York Institute of Technology, Vancouver, Canada & Fatigue Science, Canada)
5:00 PM – 5:15 PM	1571228312	Frame Anomaly Detection in Satellite TV Streaming Using Edge-Computing with AI-Optimized Microcontroller	Kevin Agaba Barigye (New York Tech, Vancouver, BC, Canada); Umme Zakia (New York Institute of Technology, Vancouver, Canada & Fatigue Science, Canada)
5:15 PM – 5:30 PM	1571226277	Learning to Assimilate: Safe Robot Herd Integration via RL from Human Feedback	Mark Allison (The University of Michigan-Flint, USA); Karmen Hollis-Etter (University of Michigan - Flint, USA)
5:30 PM – 5:45 PM	<b>1571226702</b>	Ensuring Software Reliability in Electronic Health Record Systems	Michael Campbell, Fatima Rodriguez, Yousef Saleh, Phillip Warden, Hafiz Usama and Tauheed Khan Mohd (Eastern Michigan University, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 22: ARTIFICIAL INTELLIGENCE AND ALGORITHMS [ROOM- 1243]****SESSION CHAIR: MING ZHU (UNIVERSITY OF NEVADA LAS VEGAS, USA)****SESSION TIME: 4.00 PM – 5.45 PM (DAY 2: 6<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571228338	An Efficient Vision Transformer Architecture for Occlusion Detection	Arnab Mukherjee and David Orville Johnson (University of Kansas, USA)
4:15 PM – 4:30 PM	<b>1571228608</b>	Explainable Smart Grid Stability Prediction Using PSO-Optimized BiLSTM	Kevin Ahmad Faisal (New York University, USA); Arhan Chhabra (Harvard University, USA); Kanisha Zahrah (Columbia University, USA)
4:30 PM – 4:45 PM	1571227210	Deep Learning Perception for Quarry-Bot: A Lunar Dragline Excavator	Zahir A Castrejon (Drones and Autonomous Systems Laboratory, USA); Nathan A Kassai and Francis C. Palustre (University of Nevada, Las Vegas, USA); Subin Kim (Chung-Ang University, Korea (South)); Paul Oh (University of Nevada, Las Vegas, USA)
4:45 PM – 5:00 PM	1571227171	AI-Augmented Block-Sketch Hybrid Compression: Enabling Semantic Query Processing on Compressed Data	Srinubabu Kilaru (Optum, USA); Venkata Subba Rao Yarlagaadda (University of the Cumberland, USA); Madhusudan Bangalore Nagaraja (PMI, USA)
5:00 PM – 5:15 PM	1571225967	Towards Smart and User-Centric Privacy-Aware Consent Systems	Owen T Andrews (VMI, USA); Serenity G Fraser (Virginia Military Institute, USA); Efat Fathalla (Virginia Military Institute, USA & VMI, USA); Mohamed Azab (CIS, Virginia Military Institute, USA)
5:15 PM – 5:30 PM	<b>1571216696</b>	Task Offloading in Edge-Cloud Computing: Optimal Algorithm and Complexity for the Backlogged Case	Ye Xia (University of Florida, USA)
5:30 PM – 5:45 PM	1571227185	Enhancing Healthcare Fraud Detection: Comparative Study of CatBoost and TabNet Models	Madhusudan Bangalore Nagaraja (PMI, USA); Srinubabu Kilaru (Optum, USA); Venkata Subba Rao Yarlagaadda (University of the Cumberland, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 23: ALGORITHMS AND THEORY [ROOM- AUDITORIUM]****SESSION CHAIR: LINA CHATO (UNIVERSITY OF SOUTH DAKOTA, USA)****SESSION TIME: 4.00 PM – 5.45 PM (DAY 2: 6<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571223961	Differentially Private Mechanisms Using Enhanced Direction-Oriented Smooth Sensitivity	Akito Yamamoto and Tetsuo Shibuya (The University of Tokyo, Japan)
4:15 PM – 4:30 PM	1571226198	Constraint-Aware Sector Carrier Assignment in Cloud-RAN Using Heterogeneous Graph Neural Networks	Abhishek Sarkar (Ericsson Research, India); Mbarka Soualhia (Ericsson Research, Canada); Carla Mouradian (Ericsson Research, Canada & Ericsson, Sweden); Robert Szabo (Ericsson Hungary Ltd., Hungary)
4:30 PM – 4:45 PM	<b>1571226885</b>	Alpha-SFC: Transformer-Guided Monte Carlo Tree Search with Multi-Path Routing for Online Service Function Chain Embedding	Stephen Reilly (California State University, Northridge, USA); Yang Wang (La Salle University, USA); Maryamsadat Jalalitarab (California State University, Northridge, USA)
4:45 PM – 5:00 PM	<b>1571216734</b>	Rollout Algorithm for Task Assignment in Edge-Cloud Computing	Ye Xia (University of Florida, USA)
5:00 PM – 5:15 PM	1571215973	DiffSBOM: Capturing Semantic Changes in Software Upgrades for Supply Chain Transparency	Runbin Yuan (New York University, USA); Haoxiang Yang (Stanford University, USA); Yuchen Zhang (New York University, USA)
5:15 PM – 5:30 PM	<b>1571228607</b>	Green AI at Scale: Efficient Model Selection for Production Ensembles	Kevin Ahmad Faisal (New York University, USA); Arhan Chhabra (Harvard University, USA); Kanisha Zahrah (Columbia University, USA)
5:30 PM – 5:45 PM	1571212457	Hybrid AI for Clinical Prediction: Combining LLM-Derived Features with ML for Explainable Diabetes Risk Assessment	Nikhil Tamvada and Varun Akella (Research, USA); Mahesh Khadatare (NVIDIA, USA & Tech Lead, USA); Pragati S Dharmale (San Francisco Bay University, USA & San Jose City College, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

## Day 3: 7th Jan 2026

TIME	PARALLEL SESSION
9:30 AM – 11:00 AM	SESSION 24: BIG DATA, DATA MANAGEMENT AND ANALYTICS [ROOM - 1240]
9:30 AM - 11:00 AM	SESSION 25: COMPUTATIONAL INTELLIGENCE AND CLOUD COMPUTING [ROOM NO – 1242]
9:30 AM - 11:00 AM	SESSION 26: COMPUTATIONAL INTELLIGENCE AND CRYPTOGRAPHY [ROOM NO – 1243]
9:30 AM - 11:00 AM	SESSION 27: CRYPTOGRAPHY AND APPLIED MATHEMATICS [ROOM NO – AUDITORIUM]
11:30 PM - 1:00 PM	KEYNOTE SESSION [ROOM - AUDITORIUM]
2:00 PM - 4:00 PM	TUTORIAL 2 [ROOM NO- AUDITORIUM]
2:00 PM - 3:30 PM	SESSION 28: ENERGY MANAGEMENT AND EMBEDDED DISTRIBUTED SYSTEMS [ROOM NO. – 1240]
2:00 PM - 3:30 PM	SESSION 29: WIRELESS COMMUNICATION [ROOM NO. – 1242]
2:00 PM - 3:30 PM	SESSION 30: WIRELESS COMMUNICATION AND SIGNAL PROCESSING [ROOM NO. – 1243]
4:00 PM – 6:00 PM	SESSION 31: AI, SOFTWARE ENGINEERING [ROOM NO. – 1240]
4:00 PM – 6:00 PM	SESSION 32: SECURITY, TRUST AND PRIVACY [ROOM NO. – 1242]
4:00 PM – 6:00 PM	SESSION 33: SECURITY, TRUST AND PRIVACY [ROOM NO. – 1243]
4:00 PM – 6:00 PM	SESSION 34: SECURITY, TRUST AND PRIVACY [ROOM NO. – AUDITORIUM]
6:00 PM – 7:00 PM	VALECDICTORY SESSION [ROOM - AUDITORIUM]

**All the timings are given in Pacific Standard Time (UTC-8)**



## PARALLEL SESSIONS

### SESSION 24: BIG DATA, DATA MANAGEMENT AND ANALYTICS [ROOM- 1240]

**SESSION CHAIR: VAHRAZ HONARY (UNIVERSITY OF SAN DIEGO, USA)**

**SESSION TIME: 9.30 AM – 11.00 AM (DAY 3: 7th Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	<b>1571225964</b>	Lightweight Explainability for RAG Pipelines at the Edge: A Real-Time Attribution Layer	Satya Karteek Gudipati (Peritus Inc, USA); Naveen Anand Mishra (Cigna, USA); Sambasiva Rao Akkiseti and Akbar Mohammed (American Express, USA); Gopikanth Ankam (Independent Researcher, USA)
9.45 AM -10.00 AM	1571227098	AI-Driven Post-Breach Analysis and Risk Mitigation Framework for Healthcare Data Security	Hayagreeva Sudarshan Sundaeswaran, Ramadan Abdunabi and Md Al Amin (Colorado State University, USA)
10.00 AM – 10.15 AM	1571227225	Evaluating Image Compression Potential for Physical World Building	Shane Kuo (Cornell University, USA); Ing-Chau Chang (National Changhua University of Education, Taiwan)
10.15 AM -10.30 AM	1571228604	Forecasting County-Level Life Expectancy Using Explainable AI	Alexander Phelps and Marjan Asadinia (California State University, Northridge, USA)
10:30 AM – 10:45 AM	<b>1571227186</b>	A Deployable Platform for Real-World Video Streaming Identification on Edge Devices	Ankit Tiwari and Sean Sullivan (La Sierra University, USA); Charles Stolz and Jielun Zhang (University of North Dakota, USA); Fuhao Li and Enoch Hwang (La Sierra University, USA)
10:45 AM – 11:00 AM	1571225984	SplatGauge: RGB-Only 3D Crack and Surface Change Metrology with Gaussian Splatting, GeoTransformer-ICP Registration, and M3C2-EP	Eyosiyas Endalamaw (South Dakota School of Mines and Technology, USA); Rudrajit Mitra (South Dakota Mines, USA); Mohammadreza Mehrabian (South Dakota School of Mines and Technology, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 25: COMPUTATIONAL INTELLIGENCE AND CLOUD COMPUTING [ROOM- 1242]			
SESSION CHAIR: YE XIA (UNIVERSITY OF FLORIDA, USA)			
SESSION TIME: 9.30 AM – 11.00 AM (DAY 3: 7th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571226981	P4 Shield: Secure Execution of Users' P4 Programs with in-VM Information Inside Clouds	Masaki Iwai and Kenichi Kourai (Kyushu Institute of Technology, Japan)
9.45 AM -10.00 AM	1571227066	Cloud Revolution: Tracing the Origins and Rise of Cloud Computing	Deepa Gurung (Joongbu University, Korea (South)); S M Zia Ur Rashid (University of Tulsa, USA); Zain ul Abdeen (Virginia Polytechnic Institute and State University, USA); Suman Rath (University of Tulsa, USA)
10.00 AM – 10.15 AM	<b>1571226694</b>	Ethical Decision-Making Algorithms in Autonomous Vehicles	Manraj Singh, Karanvir Singh, Jarrett Signoretti, Penelope Mankey and Tauheed Khan Mohd (Eastern Michigan University, USA)
10.15 AM -10.30 AM	<b>1571227217</b>	Beyond Accuracy: Fidelity Evaluation Framework for Synthetic Data in Network Intrusion Detection	Daniel Perez Fiadzeawu (University of North Dakota, USA); Luis Vincent C Jabla (La Sierra University, USA); Jielun Zhang (University of North Dakota, USA); Fuhao Li (La Sierra University, USA)
10:30 AM – 10:45 AM	1571227745	CARE-PCM: Classification and Analysis of Reliability with Efficient Models for PCM	Yanilette Montano (University of California, Irvine, USA); Marjan Asadinia (California State University, Northridge, USA)
10:45 AM – 11:00 AM	1571227086	Optimizing Energy Efficiency in Edge Computing Through Deep Q-Networks: A Google Trace-Based Study	Daulet Bulegenov, Askar Madiyev, Anuar Karzhaubayev and Meiram Murzabulatov (Nazarbayev University, Kazakhstan); Dinh Mao Bui (Maryville University, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 26: WIRELESS COMMUNICATION AND SIGNAL PROCESSING [ROOM- 1243]****SESSION CHAIR: HARSH KUMAR (UNIVERSITY OF INDIANAPOLIS, USA)****SESSION TIME: 9.30 AM – 11.00 AM (DAY 3: 7th Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571227056	Secrecy Rate Analysis of RIS-Aided Massive MIMO with Active Adversaries	Janith Kavindu Dassanayake (Southern Illinois University, USA); Thulashan Sakalasuriya (University of Sri Jayawardenapura, Sri Lanka); Gayan Amarasuriya (Southern Illinois University, USA)
9.45 AM -10.00 AM	1571227107	An Indoor Navigation System Based on Congestion Estimation Using Wi-Fi Probe Packets	Hinatsu Ono (National Institute of Technology, Sendai College, Japan); Hideyuki Kobayashi (National Institute of Technology, Sendai, Hirose, Japan)
10.00 AM – 10.15 AM	1571227129	Optimization of Composite Uniform Hierarchical QAM Constellations for Broadcast Channels	Brett Wiens and Daniel Lee (Simon Fraser University, Canada)
10.15 AM -10.30 AM	1571227006	Modular Instruction Set Computer with Autonomous Datapath Implemented on FPGA	Gerrit Buter (North West University, South Africa); Ashraf Sheri (Study Supervisor, South Africa)
10:30 AM – 10:45 AM	<b>1571218524</b>	Beyond Hand Offs: Policy Driven Collaboration Between Human Agents and LLM Co Pilots	Satya Karteek Gudipati (Peritus Inc, USA); Gopikanth Ankam (Independent Researcher, USA); Naveen Anand Mishra (Cigna, USA); Akbar Mohammed and Sambasiva Rao Akkiseti (American Express, USA)
10:45 AM – 11:00 AM	<b>1571225974</b>	Revisiting Data Anonymization: Limitations and Challenges in the Era of Large Language Models	Sandeep Kalari, Sahithi Padidela, Vikas Ashok and Ravi Mukkamala (Old Dominion University, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 27: CRYPTOGRAPHY AND APPLIED MATHEMATICS [ROOM- AUDITORIUM]****SESSION CHAIR: AYAN ROY (CHRISTOPHER NEWPORT UNIVERSITY, USA)****SESSION TIME: 9.30 AM – 11.00 AM (DAY 3: 7th Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
9.30 AM – 9.45 AM	1571227039	Polymorphic Security for Databases	Sai Ranganath Mikkilineni (Delaware State University, USA); Albert H Carlson (Quantum Security Alliance, USA); Benjamin Williams (University of Idaho, USA); Mandeep Singh (USA); Robert Carlson (National University, USA)
9.45 AM -10.00 AM	1571228469	An n-Card Threshold Protocol is Impossible	Shizuru Iino (University of Electro-Communications, Japan); Yang Li, Kazuo Sakiyama and Daiki Miyahara (The University of Electro-Communications, Japan)
10.00 AM – 10.15 AM	1571226827	AutomataSim: A Visual Educational Platform for Simulating and Understanding Finite Automata	Emmett Kjolseth, Ziang Chen and Parteek Kumar (Washington State University, USA)
10.15 AM -10.30 AM	1571227124	Time-Complexity Characterization of the NIST Lightweight Cryptography Finalists	Prashanth BusiReddyGari and Najmul Hasan (University of North Carolina at Pembroke, USA)
10:30 AM – 10:45 AM	1571227128	Polymorphic Hashing to Obscure the 1:1 Principle	Sai Ranganath Mikkilineni (Delaware State University, USA); Robert E Hiromoto (University of Idaho, USA); Albert H Carlson (Quantum Security Alliance, USA); Benjamin Williams (University of Idaho, USA)
10:45 AM – 11:00 AM	1571227662	A Dynamic Three-Layer Encryption Scheme Using Moving Target Defense and Chaotic Maps	Merhan Adel Hasaneen (Alexandria University, Egypt); Sara H. Kamel (Faculty of Engineering, Alexandria University, Egypt); Mohamed Azab (CIS, Virginia Military Institute, USA); Yasmine Abouelseoud (Faculty of Engineering, Alexandria University, Egypt)

**All the timings are given in Pacific Standard Time (UTC-8)**

**KEYNOTE SESSION [DAY 3: 7th Jan 2026] [ROOM– AUDITORIUM]**

<b>TIME</b>	<b>NAME OF THE EVENT</b>
<b>11:30 AM–12:15 PM</b>	<p align="center"><b>KEYNOTE TALK BY PROF. SHAHRAM LATIFI</b> (UNIVERSITY OF NEVADA, LAS VEGAS)</p> <p align="center"><b>TITLE OF TALK: AI AT THE CROSSROADS: POWER, RISK, AND THE PATH TO RESPONSIBLE INTELLIGENCE</b></p>
<b>12:15 AM–1:00 PM</b>	<p align="center"><b>KEYNOTE TALK BY NIRANJAN HASABNIS</b> (PRINCIPAL RESEARCH SCIENTIST, CODE METAL, USA)</p> <p align="center"><b>TITLE OF TALK: CONQUERING THE CODE ABYSS: NAVIGATING THE PERILOUS MINEFIELD OF LLM-POWERED TRANSLATION</b></p>

<b>LUNCH BREAK</b>	<b>1.00 PM–2.00 PM</b>
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<p align="center"><b>TUTORIAL 2:</b> <b>EVOLUTION AND APPLICATIONS ON GENERATIVE AND AGENTIC AI BY</b> <b>SUDIPTA SAHANA</b> (UNIVERSITY OF ENGINEERING AND MANAGEMENT, KOLKATA) [ROOM– 1243]</p>	<b>2.00 PM- 4.00 PM</b>
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**All the timings are given in Pacific Standard Time (UTC-8)**

## PARALLEL SESSIONS

### SESSION 28: ENERGY MANAGEMENT AND EMBEDDED DISTRIBUTED SYSTEMS [ROOM- 1240]

#### SESSION CHAIR:

**SESSION TIME: 2.00 PM – 3.30 PM (DAY 3: 7th Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571226555	Lightweight Bidding Framework for Communication-Efficient Multi-Robot Coordination in Clue-Based Search	James Lott and Vahraz Honary (University of San Diego, USA)
2:15 PM – 2:30 PM	1571226892	DroneRanger: Simulation-Guided UAV Framework for Autonomous Wildlife Deterrence	Zhipeng Ling, Renxiang Yin, Chunzhang Liu, Xiaoman Zou and Jiading Zhou (Northeastern University, USA); Tanishq Pradhan (San Francisco State University, USA); Ilmi Yoon (Northeastern University, USA)
2:30 PM – 2:45 PM	1571227053	An Assessment Framework for IT/OT Convergence Maturity in Industrial Environments	Marcelo T Okano (Paulista University - UNIP, Brazil); William A. P. Lopes (Paulista University UNIP, Brazil); Sergio Miele Ruggero (Paulista University (UNIP), Brazil)
2:45 PM -3:00 PM	1571227181	Real-Time Evaluation of Smart Meter Data Communication Under Cybersecurity Attacks	Harsh Kumar (University of Indianapolis, USA); Sanjeev Kumar (University of Texas - RGV, USA); Oscar A Alvarez (University of Texas-RGV, USA)
3:00 PM – 3:15 PM	<b>1571226875</b>	Late Feature Fusion of Lightweight Deep Learning Architectures for Skin Lesion Classification	Abhinav Neelam and Abhishek Verma (California State University, Northridge, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

**SESSION 29: AI AND VLSI [ROOM- 1242]****SESSION CHAIR: FUHAO LI (LA SIERRA UNIVERSITY, USA)****SESSION TIME: 2.00 PM – 3.30 PM (DAY 3: 7th Jan 2026)**

<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
2:00 PM – 2:15 PM	1571227072	Lightweight Hybrid AI Models for Rice Pest Classification Using Deep Feature Extraction	Ashrit Satish (Mountain House High School, USA); Vani Kandasamy (AIClub, USA); Atul Dubey (AI Club, India)
2:15 PM – 2:30 PM	1571227079	Securing Federated Learning in Health IoT with Edge-Assisted Homomorphic Encryption	Rahul Kavati (CSUDH, USA); Huzaif Khan (California State University Dominguez Hills, USA); Sriven Srilakshmi Pulkaram (CSUDH, USA); Ali Jalooli (California State University, Dominguez Hills, USA)
2:30 PM – 2:45 PM	1571227080	Reasoning Under Uncertainty in Multi-Agent Reinforcement Learning (MARL) with Upper Confidence Bound (UCB) Technique	Kazi Sifatul Islam, Anandi Dutta, Ahmed Selim Anwar and Marcelo M Carvalho (Texas State University, USA)
2:45 PM -3:00 PM	1571227100	A Lightweight AI-Ready Humanoid Leg Platform for Hybrid Control Using Residual RL	Yeonsoo Noh and Baekseok Kim (Nevada System of Higher Education, USA); Paul Oh (University of Nevada, Las Vegas, USA)
3:00 PM – 3:15 PM	1571214338	DI-FLAME: A Decentralized Incentive Mechanism for Federated Learning Model Validation	Ayan Roy (Christopher Newport University, USA); Kaustuvi Basu (Independent Researcher, India); Rik Chakraborti and Riley McDonough (Christopher Newport University, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

<b>SESSION 30: COMPUTATIONAL INTELLIGENCE AND CRYPTOGRAPHY [ROOM- AUDITORIUM]</b>			
<b>SESSION CHAIR: SUMAN RATH (UNIVERSITY OF TULSA, USA)</b>			
<b>SESSION TIME: 2.00 PM – 3.30 PM (DAY 3: 7th Jan 2026)</b>			
<b>TIME ALLOTTED</b>	<b>PAPER ID</b>	<b>PAPER NAME</b>	<b>AUTHORS WITH AFFILIATION &amp; COUNTRY</b>
2:00 PM – 2:15 PM	1571228654	Indoor Virtual Reality Navigation Incorporating Inclusion, Diversity, Equity, and Accessibility	Andrew J. Park (Trinity Western University, Canada); Zihua Zhu (Tianjin University, China); Aiden Evans (Trinity Western University, Canada); Eunju Hwang (Virginia Tech, USA); Alyssa Fenuta (Trinity Western University, Canada)
2:15 PM – 2:30 PM	1571223988	Comparative Evaluation and Overhead Analysis of a Low-Intrusive Tool for Monitoring Energy-Constrained Nodes in WSN Deployments	Igor Koropiecki (IHP GmbH - Leibniz Institute for High Performance Microelectronics, Germany); Krzysztof Piotrowski (IHP Leibniz, Germany & BTU Cottbus-Senftenberg, Germany)
2:30 PM – 2:45 PM	1571226842	Permuting the Outputs of RNGs is Not Secure	Sai Ranganath Mikkilineni (Delaware State University, USA); Albert H Carlson (Quantum Security Alliance, USA); Benjamin Williams (University of Idaho, USA)
2:45 PM -3:00 PM	1571228603	ML-SECure: Machine Learning-Based Soft Error Correction Pipeline for Multi-Level Cell PCM	Solomon Xu (University of California, Los Angeles, USA); Marjan Asadinia (California State University, Northridge, USA)
3:00 PM – 3:15 PM	1571228618	AEGIS: AI-Driven Glucose Prediction and Personalized Insulin Dosing	Yash Kishorbhai Pansheriya and Marjan Asadinia (California State University, Northridge, USA)
3:15 PM – 3:30 PM	1571227050	Behavioral Biometrics for Zero Trust Authentication: A CNN-LSTM Framework for Continuous Authentication	Damodhara Reddy Palavali (IT Professional, USA); Dinesh Kumar Elumalai (American Honda Motor Co, USA); Suneetha Pothireddy (Infinite Computer Solutions, USA)

<b>03:30 PM - 04:00 PM</b>	<b>COFFEE BREAK</b>
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**All the timings are given in Pacific Standard Time (UTC-8)**



## PARALLEL SESSIONS

### SESSION 31: AI, SOFTWARE ENGINEERING [ROOM- 1240]

**SESSION CHAIR: VAHRAZ HONARY (UNIVERSITY OF SAN DIEGO, USA)**

**SESSION TIME: 3.30 PM – 5.45 PM (DAY 3: 7<sup>th</sup> Jan 2026)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
3:30 PM – 3.45 PM	1571228549	Optimized PV Converter Fed HAPF for Improved Power Quality	Purnachander Rao Perala (Vaagdevi College of Engineering, India & JNTUH, India), M. Surya Kalavathi, (JNTUH UCESTH, Hyderabad, Telangana)
3:45 PM – 4.00 PM	1571226940	Towards Benchmarking AI Explainability	Sara Asgari (None, USA); Farzane Asgari (Visdom, USA); Sadegh Asgari (Merrimack College, USA & Columbia University, USA)
4:00 PM – 4:15 PM	1571226938	Ensemble-Based Big-Data Analytics for Evaluating New Hampshire's Congressional Districting Fairness	Sara Asgari (None, USA); Farzane Asgari (Visdom, USA); Quinn Basewitz (Swarthmore College, USA); Sadegh Asgari (Merrimack College, USA & Columbia University, USA); Diana Davis (Phillips Exeter Academy, USA)
4:15 PM – 4:30 PM	1571218621	Teaching Small LLMs to Reason Using Reinforcement Learning	Sourabh Yadav and Nishchal K Verma (Indian Institute of Technology Kanpur, India)
4:30 PM – 4:45 PM	1571228658	Extending Delta Debugging Minimization for Spectrum-Based Fault Localization	Charaka Geethal Kapugama (University of Ruhuna, Sri Lanka)
4:45 PM – 5:00 PM	1571226923	Transfer Learning in Cross-Domain Fault Diagnosis: An Application to Gearbox Faults	Navya Sonal Agarwal (Indian Institute of Technology Guwahati, India); et. Al.
5:00 PM – 5:15 PM	1571225227	Real-Time Underwater Plastic Detection Using Deep Learning: A Comparative Study of YOLOv8 and YOLOv10	Sohini Chatterjee (United World College South East Asia East, Singapore); Vani Kandasamy (AIClub, USA)
5:15 PM – 5:30 PM	1571224219	Efficient Hardware Implementation of Eigen Solver	Uday Korat (IEEE.org, USA); Amir Alimohammad (San Diego State University, USA)
5:30 PM – 5:45 PM	1571228556	A Physics-Informed Approach of Blood Flow and Wall Stress Estimation via Higher-Order ReLU Kolmogorov-Arnold Networks (HRKANs)	Chi Chiu So (The Hong Kong Polytechnic University, Hong Kong) et. Al.

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 32: SECURITY, TRUST AND PRIVACY [ROOM- 1242]			
SESSION CHAIR: RAVI MUKKAMALA (OLD DOMINION UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5:45 PM (DAY 3: 7th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571225361	Exploring Cardinalities in Online Social Media with Roles and Contexts for Building Foundational Models of Trust	Fahad Alsulami and Siddhartha Bhattacharyya (Florida Institute of Technology, USA)
4:15 PM – 4:30 PM	1571227091	Adversarially Robust Blockchain Reputation System for Additive Manufacturing Supply Chains	Raddad Almaayn, Ashok Karukutla, Henok Berhanu Tsegaye and Petro Mushidi Tshakwanda (University of New Mexico, USA); Harsh Kumar (University of Indianapolis, USA); Abid Mohammad Ali and Michael Devetsikiotis (University of New Mexico, USA)
4:30 PM – 4:45 PM	1571227093	A Quantum-Inspired Cybersecurity System for Post-Breach Data Control	Sunil Kumar Peela and Ramadan Abdunabi (Colorado State University, USA)
4:45 PM – 5:00 PM	1571226774	A Virtual Framework for the Cross-Layer Analysis of BackCom Systems in umMTC Scenarios	Roberto Alesii and Piergiuseppe Di Marco (University of L'Aquila, Italy); Fortunato Santucci (University of l'Aquila, Italy)
5:00 PM – 5:15 PM	1571227077	Authenticated and Offline-Verifiable Agent-to-Agent Messaging for LLM Agents	Adil Alshammari (Northern Arizona University, USA); Sareh Assiri (Jazan University, Saudi Arabia); Hayretin Bahsi (Northern Arizona University, USA)
5:15 PM – 5:30 PM	1571219032	Design of a Robust Speed Control System for a BLDC Motor Using a Fractional Order PID Controller	Zuhair Alqarni (ALBAHA University, Saudi Arabia)
5:30 PM – 5:45 PM	<b>1571226373</b>	Adaptive Motion Prediction for Precision Interaction with Dynamic Platforms	Ebenezer Afrifa (South Dakota Mines, USA); Mohammadreza Mehrabian (South Dakota School of Mines and Technology, USA)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 33: SECURITY, TRUST AND PRIVACY [ROOM- 1243]			
SESSION CHAIR: SUMAN RATH (UNIVERSITY OF TULSA, USA)			
SESSION TIME: 4:00 PM – 5:30 PM (DAY 3: 7th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571225363	Dynamic K-Means Clustering for Sybil Attack Detection in VANETs	Gideon Oluwasegun Adele and Anirudh Paranjothi (Oklahoma State University, USA); Mohammad S Khan (East Tennessee State University, USA)
4:15 PM – 4:30 PM	1571212138	Gastrointestinal Disease Recognition Using Advanced Machine Learning Models	Zorawar Jaiswal and Abhishek Verma (California State University, Northridge, USA)
4:30 PM – 4:45 PM	1571212142	Detection of Cataract Using Deep Learning Models	Zorawar Jaiswal and Abhishek Verma (California State University, Northridge, USA)
4:45 PM – 5:00 PM	1571228609	Predictive Model for Starlink Maritime Performance Using Multi-Horizon RandomForest	Md Muntasir Hossain, Xingya Liu, Ruhai Wang, Helen H Lou and Kazi Fazlee Rabbi (Lamar University, USA)
5:00 PM – 5:15 PM	1571226288	Criteria for the Deployment of Machine Learning Models for ECG Analysis for Edge Computing	Jasmin Freudenberg and Christian Weber (University of Siegen, Germany); Kai Hahn and Madjid Fathi (Universität Siegen, Germany)
5:15 PM – 5:30 PM	1571225360	A Deep Reinforcement Learning Approach for Optimizing the Placement of 5G-Enabled UAVs in Disaster Scenarios	Fatima Zahra Rabahi (ALTEN SA, France & Alten, France); Mohamed Karam Nassim Behaz (Université Paris Cité, France)

**All the timings are given in Pacific Standard Time (UTC-8)**

SESSION 34: AI, SECURITY AND ML [ROOM- AUDITORIUM]			
SESSION CHAIR: FUHAO LI (LA SIERRA UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5:30 PM (DAY 3: 7th Jan 2026)			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571225863	VersaTable: Generating Realistic Mixed-Type Tables Blending Categorical Tags, Variable-Length Lists, and Free Text	Mark Bilinski (NIWC Pacific, USA); Ryan Gabrys (Naval Information Warfare Center Pacific, USA); Danny Silva (Naval Information Warfare Center, USA)
4:15 PM – 4:30 PM	1571226860	Quantum Computing: Challenges, Innovations, and Future Directions	Chuck Easttom (Vanderbilt University, USA & Georgetown University, USA); Emily Clifton (Vanderbilt University, USA)
4:30 PM – 4:45 PM	1571226916	SECite: Analyzing and Summarizing Citations in Software Engineering Literature	Shireesh Reddy Pyreddy and Khaja Valli Pathan (SUNY Polytechnic Institute, USA); et. Al.
4:45 PM – 5:00 PM	1571225660	Managing Entanglement in AI-Enabled Safety-Critical Systems (AISCS)	Nicholas B. N. Nyakundi (University of North Dakota, USA)
5:00 PM – 5:15 PM	1571228610	Collaborative Rigid Body Manipulation Toward Heterogeneous Humanoids	Hashim A Hameed (University of Nevada - Las Vegas, USA); Paul Oh (University of Nevada, Las Vegas, USA)
5:15 PM – 5:30 PM	1571226878	Performance Analysis of YOLOv8-YOLOv12 for Edge-Based Strawberry Ripeness Detection	Marcelo T Okano (Paulista University - UNIP, Brazil); William A. P. Lopes (Paulista University UNIP, Brazil); Sergio Miele Ruggero and Luana Cordeiro (Paulista University (UNIP), Brazil)

<b>VALEDICTORY SESSION</b>	<b>6:00 PM – 7:00 PM</b>
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**All the timings are given in Pacific Standard Time (UTC-8)**