WORLD AI IOT CONGRESS

IEEE AIIoT 2025

2025 IEEE 6th Annual World AI IoT Congress (AIIoT)

Physical Conference (Seattle Convention Center, USA)
28th – 30th May 2025

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

TECHNICAL SCHEDULE
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IEEE AIIoT 2025

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DAY 1: 28TH MAY 2025

TIME	PARALLEL SESSION
9:00 AM - 9:30 AM	INAUGURATION [ROOM NO- 3AB]
9:30 AM – 11.00 AM	SESSION 1: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 3AB]
9:30 AM – 11:00 AM	SESSION 2: SECURITY, TRUST AND PRIVACY [ROOM NO- 307]
9:30 AM – 11:00 AM	SESSION 3: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO-308]
9:30 AM – 11:00 AM	SESSION 4: IOT; ARTIFICIAL INTELLIGENCE & MACHINE LEARNING; SOFTWARE ENGINEERING [ROOM NO- 309]
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2:00 PM – 3:30 PM	SESSION 5: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 307]
2:00 PM – 3:30 PM	SESSION 6: SECURITY, TRUST AND PRIVACY [ROOM NO- 308]
2:00 PM – 3:15 PM	SESSION 7: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 309]
4:00 PM – 5:30 PM	SESSION 8: APPLICATIONS OF IoT [ROOM NO- 307]
4:00 PM – 5:30 PM	SESSION 9 : SECURITY; COMPUTATIONAL INTELLIGENCE ; ARTIFICIAL INTELLIGENCE TOOLS [ROOM NO- 308]
4:00 PM – 5:00 PM	SESSION 10 : ARTIFICIAL INTELLIGENCE, DATA MINING AND MACHINE LEARNING TOOLS [ROOM NO- 309]
4:00 PM – 5:30 PM	SESSION 11: NEURAL NETWORKS; CRYPTOGRAPHY AND ROBOTICS [ROOM NO. – 3AB]

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PARALLEL SESSIONS

SESSION 1: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SESSION CHAIR: CHETAN JAISWAL (QUINNIPIAC UNIVERSITY, USA)
SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 28th May 2025) [ROOM NO. – 3AB]

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571112732	Artificial Intelligence: Benefits and Flaws	Abdulrahman Yarali (MSU, USA)
9.45 AM -10.00 AM	1571131646	Towards Fully Synthetic Training: Exploring Data Augmentations for Synthetic-to-Measured SAR in Automatic Target Recognition	Adu A Baffour (University of Missouri-Kansas City, USA); Isaac Osei Agyemang (Chengdu University Chengdu, China); Isaac Adjei-Mensah (University of Electronic Science and Technology of China, China); Raphael E Nuhoho (JBS USA, USA)
10.00 AM – 10.15 AM	1571135781	Ensemble Learning-Based Anomaly Detection for Automotive in-Vehicle Networks	Anjum Naveed (University of L'Aquila, Italy & Anjum Naveed, Italy); Andrea Marotta (University of L'Aquila, Italy & WEST Aquila SRL, Italy); Walter Tiberti (University of L'Aquila, Italy); Fortunato Santucci (University of l'Aquila, Italy); Piergiuseppe Di Marco (University of L'Aquila, Italy)
10.15 AM -10.30 AM	1571135688	PRISM: Predictive Risk and Injury Surveillance Model for Athlete Safety	Apoorva Rumale (California State University, Northridge, USA); Mahek T Desai (California State University Northridge, USA); Marjan Asadinia (California State University, Northridge, USA)
10:30 AM – 10:45 AM	1571133684	Enabling Interoperable AI in IoT: a Unified Data Framework Approach	Aseem Khanna (IEEE, Regis University Colorado & Echostar Dish, USA); Anuradha Bhusri (YATI Solutions, USA)
10:45 AM – 11:00 AM	1571138485	Multi-Stage Real-Time Classification of Breathing Patterns Using ECG and Respiratory Signals	Ucchwas Talukder Utsha and Bashir I Morshed (Texas Tech University, USA)

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SESSION 2: SECURITY, TRUST AND PRIVACY			
SESSION CHAIR: RASIB KHAN (NORTHERN KENTUCKY UNIVERSITY, USA)			
SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 28th May 2025) [ROOM NO. – 307]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571136011	ElderConnect: an AI-Powered Platform to Empower Seniors Against Cyberthreats	Indira K Dutta, Md Shaba Sayeed and Hayin Tamut (Arkansas Tech University, USA)
9.45 AM – 10.00 AM	1571135103	Formally Verifying RISC-V Code for Securing IoT with an Emphasis on Exception Handling	Fatema Islam Meem and Jim Alves-Foss (University of Idaho, USA)
10.00 AM -10.15 AM	1571136030	Responsible Generative AI for Software Development Life Cycle	Jay A Shah (Canada DevOps Community of Practice & IEEE Region 7, Canada & Southern Methodist University, USA); Garima Bajpai (Canada DevOps Community of Practice, Canada)
10.15 AM -10.30 AM	1571136025	Detecting Malicious URLs in Brushing Scams: a Machine Learning Approach with Human-Centered Cybersecurity	Indira K Dutta and Md Shaba Sayeed (Arkansas Tech University, USA)
10:30 AM – 10:45 AM	1571135996	Towards the Development of a Resilient and Compliant Cybersecurity Framework for E-Government: a Survey	Jean-Baptiste Gandonou (University Of Abomey-Calavi, Benin); Thierry Wandji (Cybastion Institute of Technology, Benin); Jules Dégila (University of Abomey-Calavi, Benin); Ida Tognisse (IMSP, Benin & IMSP/ UAC, Benin); Théophile K. Dagba (Université of Abomey-Calavi, Benin); Anziz Adehan (Information Systems and Digital Agency, Benin)
10:45 AM – 11:00 AM	1571136085	Best Practices for Cloud, IT and Digital Infrastructure Programs Across Government Agencies	Jay A Shah (Canada DevOps Community of Practice & IEEE Region 7, Canada & Southern Methodist University, USA); Nisha R Iyer (Walmart Inc., USA & The University of Texas at Dallas and IEEE Young Professional Region 5, USA)

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SESSION 3: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: AMITH KAMATH BELMAN (SAN JOSE STATE UNIVERSITY, USA)			
SESSION TIME: 9:30 AM – 11.00 AM (DAY 1: 28th May 2025) [ROOM NO. – 308]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571135371	Improving Object Counting Accuracy with Adaptive CNN Models and Meta-Level Routing	Bayazit Karaman, Ian Bentley, Benjamin Bowman, Zhi Zheng, Nesreen Dalhy and Brendan Geary (Florida Polytechnic University, USA)
9.45 AM – 10.00 AM	1571135929	Exploring Feature Selection and Dimensionality Reduction Techniques for Network Anomaly Detection in the UWF-ZeekData22 Dataset	Caroline John and Patrick Ansah (University of West Florida, USA)
10.00 AM -10.15 AM	1571136004	Pediatric Asthma Detection with Google's HeAR Model: an AI-Driven Respiratory Sound Classifier	Abul Ehtesham (Kent State University, USA); Saket Kumar (The Mathworks, USA); Aditi Singh (Cleveland State University, USA); Tala Talaei Khoei (Northeastern University, USA)
10.15 AM -10.30 AM	1571134675	Deep Neural Network for Human Pose Estimation	Kyle Stewart, Evelyn Truong and Cheol-Hong Min (University of St. Thomas, USA); Hassan Salamy (University of Saint Thomas, USA)
10:30 AM – 10:45 AM	1571136072	Transformer-Based Extraction of Statutory Definitions from the U.S. Code	Arpana Hosabettu (Google, USA); Harsh Shah (Cornell University, USA)
10:45 AM – 11:00 AM	1571135619	TMA-UNet: a Parameter-Efficient Deep Learning Model for Fetal Brain MRI Segmentation	Tahereh Sharifian (Isfahan University of Technology, Iran); Zahra Nabi Zadeh Shahr Babak (McMaster University, Canada & Isfahan University of Technology, Iran); Behzad Mirmahboub and Nader Karimi (Isfahan University of Technology, Iran); Pejman Khadivi and Shadrokh Samavi (Seattle University, USA)

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TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
SESSION 4: IOT; ARTIFICIAL INTELLIGENCE & MACHINE LEARNING; SOFTWARE ENGINEERING **SESSION CHAIR: BIJOY A. JOSE (COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, INDIA)** **SESSION TIME: : 9:30 AM – 11:00 AM (DAY 1: 28th May 2025) [ROOM NO. – 309]**			
9.30 AM – 9.45 AM	1571135960	Transactions in the Wild: a Secure, Offline Architecture for Ad-Hoc Mobile Payments	Nathanael Kenneth Roberts, Laura Estremera, Owen Richard, Ben Eskra, Sima Jafarikhah and Hosam Alamleh (University of North Carolina Wilmington, USA)
9.45 AM – 10.00 AM	1571135636	GreenPod: Energy-Optimized Scheduling for AIoT Workloads Using TOPSIS	Preethika Pradeep and Eyhab Al-Masri (University of Washington Tacoma, USA)
10.00 AM -10.15 AM	1571138498	Deciding When Not to Decide: Indeterminacy-Aware Intrusion Detection with NeutroSENSE	Eyhab Al-Masri (University of Washington Tacoma, USA)
10.15 AM -10.30 AM	1571135892	Deep Q-Network-Based Agent Learning for Employee Performance Prediction in Industrial Environments	Arun Prasad Jaganathan (Jugl Limited, USA & Jugl, USA); Nirmal Manmathan (Jugl Incorporation Limited, USA, Ana University India, USA), Prakash Subramani (Deloitte, USA)
10:30 AM – 10:45 AM	1571138354	Hardware-Accelerated Video Processing System for Low-Powered Embedded Devices	Sharoon Sharif (Alabama A&M University, USA); Sita Kondamadugula (Alabama A & M University, USA); Zhigang Xiao (AAMU, USA); Andrew Scott (Alabama A&M University, USA)
10:45 AM – 11:00 AM	1571135654	An IoT-Based Smart Desk System for Smart Classrooms: Enabling OTA Firmware Updates and Multi-Application Deployment	Krupa V Khapper (North Carolina Agricultural and Technical State University, USA); Corey Graves (North Carolina A&T State University, USA); Hiba Hamzeh Darwish (NCAT, USA & North Carolina Agricultural and Technical State University, USA); Issa W. AlHmoud (North Carolina a and T State University, USA); Balakrishna Gokaraju (North Carolina A&T State University, USA); AKM Kamrul Islam (NCAT, USA); Madhuri Siddula (North Carolina A&T State University, USA)

COFFEE BREAK	11:00 AM- 11:30AM

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KEYNOTE SESSION [DAY 1: 28TH MAY 2025]

TIME	NAME OF THE EVENT
11:30 AM – 12:15 PM	**KEYNOTE ADDRESS BY SNEHASIS MUKHOPADHYAY** **(PROFESSOR, PURDUE UNIVERSITY)** **TITLE OF TALK: INTERACTIVE ARTIFICIAL INTELLIGENCE AND ITS APPLICATIONS** **[ROOM NO. – 3AB]**
12:15 PM – 1:00 PM	**KEYNOTE ADDRESS BY DR. PHILLIP BRADFORD** **(UNIVERSITY OF CONNECTICUT, STAMFORD, USA)** **TITLE OF TALK: AI AND IoT: SMALL CLEVER DEVICES WITH GREAT POWER** **[ROOM NO. – 3AB]**

1:00 PM-2:00 PM	**LUNCH BREAK**

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SESSION 5: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: RANGA RAJU VATSAVAI (NORTH CAROLINA STATE UNIVERSITY, USA & LIRIO, INC, USA)			
SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 28th May 2025) [ROOM NO. – 307]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
2.00 PM – 2.15 PM	1571134659	MoExSOC: a Mixture of Experts Approach for Enhanced Battery State of Charge Estimation	Itamar Ryan (University of St Thomas, USA); Kundan Nepal (University of St. Thomas, USA & University of St Thomas, USA)
2.15 PM – 2.30 PM	1571136031	Deep Reinforcement Learning for Autonomous Cost and Performance Optimization of Big Data Query Engines in the Cloud	Jasmin Jarsania (USA); FNU Harsh (Apple, USA); Mantek Singh (Liverpool John Moores University & Google, USA); Smarth Behl (USA, USA)
2.30 PM - 2.45 PM	1571136001	Early Detection of Pediatric Pneumonia Using Google's HeAR Model: a Respiratory Sound Embedding Approach	Abul Ehtesham (Kent State University, USA); Aditi Singh (Cleveland State University, USA); Saket Kumar (The Mathworks, USA); Tala Talaei Khoei (Northeastern University, USA)
2.45 PM – 3.00 PM	1571136050	Generating Natural Language Explanations for LMM-Driven Robot Behavior	Jasmin Jarsania (USA); Mantek Singh (Liverpool John Moores University & Google, USA); FNU Harsh (Apple, USA)
3.00 PM – 3.15 PM	1571130837	Comprehensive Performance Evaluation of Deep Learning Models for Optimizing Breast Cancer Classification on Mammogram Datasets	Sharmin Akhter and Jiangjiang Liu (Lamar University, USA)
3.15 PM - 3.30 PM	1571138488	Enhancing Clinical Decision Support and EHR Insights Through LLMs and the Model Context Protocol: an Open-Source MCP-FHIR Framework	Aditi Singh (Cleveland State University, USA); Abul Ehtesham (Kent State University, USA); Saket Kumar (The Mathworks, USA)

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SESSION 6: SECURITY, TRUST AND PRIVACY			
SESSION CHAIR: INDIRA K DUTTA (ARKANSAS TECH UNIVERSITY, USA)			
SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 28th May 2025) [ROOM NO. – 308]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
2.00 PM – 2.15 PM	1571135910	Improving Mobile Security with Visual Trust Indicators for Smishing Detection	Narges Zare (UNC Charlotte, USA); Cori Faklaris (University of North Carolina at Charlotte, USA); Sarah Tabassum and Heather Lipford (UNC Charlotte, USA)
2.15 PM – 2.30 PM	1571135618	Application of a Blockchain-Based Filtering Model to Mitigate Cyber Attacks in a Decentralized Transactive Energy System	Oluwaseun Olayinka Tooki (Tshwane University of Technology, South Africa)
2.30 PM - 2.45 PM	1571135993	Process-Aware Anomaly Detection in Industrial Control Systems Using Frequency-Based Causal Structure Analysis	Rishabh Das and Gerald Agendia (Ohio University, USA)
2.45 PM – 3.00 PM	1571135830	SPHERE: a Secure Provenance-Aware Hierarchical Ecosystem for Reliable Edge Computing Services	Sajan Poudel, Rasib Khan and Aalok Dhonju (Northern Kentucky University, USA); Nishar Miya (Fisk University, USA)
3.00 PM – 3.15 PM	1571135637	Application of Bayesian Price Clearing Auction Model in Enhancing Transactive Energy Systems Vulnerabilities to Cyber Attacks	Oluwaseun Olayinka Tooki (Tshwane University of Technology, South Africa)
3.15 PM - 3.30 PM	1571135933	Privacy Meets Conservation: Federated Learning's Revolution in Deforestation Detection	Samir Poudel, Arpan M Sainju and Kritagya R Upadhyay (Middle Tennessee State University, USA)

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SESSION 7: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: AMITH KAMATH BELMAN (SAN JOSE STATE UNIVERSITY, USA)			
SESSION TIME: 2:00 PM – 3:15 PM (DAY 1: 28th May 2025) [ROOM NO. – 309]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571134650	FLY-LLM Sim: a Novel Integration of UAV and LLM Lab Platform	Karthisri Meghana Guntupalli and Ashok Vardhan Raja (Purdue University Northwest, USA)
2.15 PM – 2.30 PM	1571135878	UCMViT: Enhancing Skin Lesion Segmentation with Efficient Transformer-Based Feature Fusion and Small Lesion Cropping	Zahra Ghorbani, Farzaneh Koohestani and Nader Karimi (Isfahan University of Technology, Iran); Shahram Shirani (McMaster University, Canada); Pejman Khadivi and Shadrokh Samavi (Seattle University, USA)
2.30 PM - 2.45 PM	1571135137	AI-Driven Smart Grid Optimization: Enhancing Urban Communication Networks	Harsh Kumar (University of Indianapolis, USA); Petro Mushidi Tshakwanda and Michael Devetsikiotis (University of New Mexico, USA)
2.45 PM – 3.00 PM	1571135219	AI-Assisted Breast Cancer Classification: a Deep Learning Model Integrating MobileNet and ShuffleNet Features	Mahdieh Ahmadi, Behzad Mirmahboub and Nader Karimi (Isfahan University of Technology, Iran); Pejman Khadivi and Shadrokh Samavi (Seattle University, USA)
3.00 PM – 3.15 PM	1571135999	Q-VMedSim: Training Platform for Emergency Response Procedures Through Virtual Reality and AI Assistance	Harika Sirandass (Quinnipac University, USA); Chetan Jaiswal (Quinnipiac University, USA); Mary Sukumar (Center for Education, Simulation and Innovation (CESI), USA)

3:30 PM- 4:00 PM	COFFEE BREAK

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SESSION 8: APPLICATIONS OF IoT			
SESSION CHAIR: BASHIR I MORSHED (TEXAS TECH UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5:30 PM (DAY 1: 28th May 2025) [ROOM NO. – 307]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
4.00 PM – 4.15 PM	1571134670	A Non-Invasive Solution to Posture Training System	Evelyn Truong and Cheol-Hong Min (University of St. Thomas, USA); Kundan Nepal (University of St. Thomas, USA & University of St Thomas, USA)
4.15 PM – 4.30 PM	1571136067	FPGA-Based Automatic Music Transcription as a Web Service	Nansong Wu and Brandon Fong (Sonoma State University, USA); Xiaokun Yang (University of Houston - Clear Lake, USA); Kaiman Zeng (California State University Stanislaus, USA)
4.30 PM – 4.45 PM	1571136017	Optimizing Transformer-Based Predictive Models for NBA Statistic Forecasting	Luke B Campbell (East Tennessee State University, USA); Mohammad S Khan (East Tennessee State University, USA)
4.45 PM - 5.00 PM	1571138375	On the Quality Aspects of Digital Twins	Nader Mohamed (Pennsylvania Western University, USA); Jameela Al-Jaroodi (Robert Morris University, USA)
5.00 PM – 5.15 PM	1571135675	Analyzing Transformer Models and Knowledge Distillation Approaches for Image Captioning on Edge AI	Wing Man Casca Kwok (Individual Researcher, USA); Yip Chiu Tung (Individual Researcher, Hong Kong); Kunal Bhagchandani (Individual Researcher, USA)
5.15 PM – 5.30 PM	1571135293	STGR: Self-Training Cross-Domain Air-Writing Gesture Recognition Using FMCW Radar	Jiake Tian, Yi Zou and Jiale Lai (South China University of Technology, China); Dacheng Li (Gosuncn Technology Group Co. Ltd, China)

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SESSION 9 : SECURITY; COMPUTATIONAL INTELLIGENCE ; ARTIFICIAL INTELLIGENCE TOOLS			
SESSION CHAIR: RASIB KHAN (NORTHERN KENTUCKY UNIVERSITY, USA)			
SESSION TIME: 4:00 PM – 5:30 PM (DAY 1: 28th May 2025) [ROOM NO. – 308]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
4.00 PM – 4.15 PM	1571135646	AirBoard: an AI Powered Whiteboard	Brian Wanamaker (Quinnipiac University & School of Computing and Engineering, USA); Harsh Gandhi, Andrew Kulowski, Chetan Jaiswal, Brian O'Neill, Kruti Shah and Sara Rzeszutek (Quinnipiac University, USA)
4.15 PM – 4.30 PM	1571138117	Multi-Modal Adversarial Activity Detection Using Keyboard and Mouse Dynamics	Johny Xiong and Amith Kamath Belman (San Jose State University, USA)
4.30 PM – 4.45 PM	1571138312	Applying Monolithic to Microservices Strategy for Elastic Container Deployment for AI Applications	Abdul Hakkeem P A, Anusha O and Bijoy A. Jose (Cochin University of Science and Technology, India); Anand Harikrishnan and Kiran Elengickal (Abilytics, Inc, India)
4.45 PM – 5:00 PM	1571138479	Performance Impact of Feature-Selection and Hyperparameter Tuning in IIoT Attack Detection	Prathibha Keshavamurthy (Villanova University, USA & Villanova, USA); Sarvesh Kulkarni (Villanova University, USA); Erin Colleen Smith and Aasif Majeed (Villanova, USA)
5:00 PM – 5:15 PM	1571135426	Defeating Multimodal Information Manipulation by a Web 3.0 Decentralized Identity (DID)-Based Accountability Framework	Xianping Wang (Florida Polytechnic University, USA); Hao Qiu (Fort Valley State University, USA); Jiayue Shen (SUNY Polytechnic Institute, USA); Weiru Chen (Slippery Rock University of Pennsylvania, USA); Anthony Choi (Mercer University, USA); Wenbing Zhao (Cleveland State University, USA)
5:15 PM – 5:30 PM	1571135961	Hello Linux! AI and Linux Redefining the Everyday User Experience	Hunter Yocum and Lukas Martino (Quinnipiac University, USA); Peter Zegarek (Quinnipiac Unviersity, USA); Jonathan Blake, Jesse Kalinowski and Chetan Jaiswal (Quinnipiac University, USA)

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SESSION 10 : ARTIFICIAL INTELLIGENCE, DATA MINING AND MACHINE LEARNING TOOLS				
SESSION CHAIR: RANGA RAJU VATSAVAI (NORTH CAROLINA STATE UNIVERSITY, USA & LIRIO, INC, USA)			
SESSION TIME: 4:00 PM – 5:00 PM (DAY 1: 28th May 2025) [ROOM NO. – 309]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
4.00 PM – 4.15 PM	1571136079	Artificial Intelligence Based Early Warnings and Intervention Models for Student's Success in Institutions of Higher Learning a Review	Milka C I Madahana and John E.D Ekoru (University of the Witwatersrand, South Africa)
4.15 PM – 4.30 PM	1571136019	Lightweight AI-Based Cross-Architecture Detection of IoT Malware Using Opcode and System Call Analysis	Carl A Fitzpatrick, Domhnall Carlin and Kieran McLaughlin (Queen's University Belfast, United Kingdom (Great Britain))
4.30 PM – 4.45 PM	1571135983	Optimizing Offensive Gameplan in the National Basketball Association with Machine Learning	Eamon Mukhopadhyay (Purdue University, USA)
4.45 PM - 5.00 PM	1571136012	Predicting at Risk Students in a Blended Learning Environment via Machine Learning and Deep Learning Approach with Practical Implications	Milka C I Madahana and John E.D Ekoru (University of the Witwatersrand, South Africa)

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SESSION 11: NEURAL NETWORKS; CRYPTOGRAPHY AND ROBOTICS			
SESSION CHAIR: EYHAB AL-MASRI (UNIVERSITY OF WASHINGTON TACOMA, USA)			
SESSION TIME: 4:00 PM – 5:30 PM (DAY 1: 28th May 2025) [ROOM NO. – 3AB]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
4.00 PM – 4.15 PM	1571134728	Attention-Driven Adaptive Deep Canonical Correlation Analysis for Multimodal Sentiment Analysis with EEG and Eye Movement Data	Yunhong Liao, Zhengyi Lu, Wing-Yue Louie and Jia Li (Oakland University, USA); Mark Brudnak (USARMY DEVCOM, USA)
4.15 PM – 4.30 PM	1571134979	Identifying the Factors in Reporting the Cost of a Hack	Sai Ranganath Mikkilineni (Delaware State University, USA); Albert H Carlson (Quantum Security Alliance, USA); Benjamin Williams (University of Idaho, USA); Mandeep Singh (US Army, USA); Ariana Carlson and Mandeep Singh (USA)
4.30 PM – 4.45 PM	1571125451	FusionDLNet: a Feature Fusion-Based CNN Approach for Citrus Leaf Disease Identification	Heena Kalim and Amit Prakash Singh (Guru Gobind Singh Indraprastha University, India); Suneel Babu Boppana (Isite Technologies, USA)
4.45 PM - 5.00 PM	1571135931	Basics of Polymorphism in Encryption	Mandeep Singh (USA); Albert H Carlson (Quantum Security Alliance, USA); Benjamin Williams (University of Idaho, USA)
5.00 PM – 5.15 PM	1571138719	Design of a Renewable Energy Device Integrating Wind Turbine and Solar Stirling Engine	Victor Cristian Hinostroza Maravi and Heydi K Hinostroza Maravi (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia)
5:15 PM – 5:30 PM	1571135928	Verifying Isomorphic Cipher Reduction Using the y-Intercept from Collision Plots	Mandeep Singh (USA); Albert H Carlson (Quantum Security Alliance, USA); Christopher Briscoe (Emet Classical Academ, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

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Day 2: 29TH May 2025

TIME	PARALLEL SESSION
9:30 AM-11:00 AM	SESSION 12: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 307]
9:30 AM-11:00 AM	SESSION 13: PATTERN RECOGNITION; ARTIFICIAL INTELLIGENCE TOOLS & APPLICATIONS [ROOM NO- 308]
9:30 AM-11:00 AM	SESSION 14: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 309]
11:30 PM – 1.00 PM	KEYNOTE SESSION [ROOM NO- 3AB]
2:00 PM – 5:00 PM	TUTORIAL 1: APPLICATIONS ON GENERATIVE AI [ROOM NO. 307]
2.00 PM–3:15 PM	SESSION 15: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 3AB]
2.00 PM–3:30 PM	SESSION 16: CAD DESIGN ; NLP; GRAPHICS, SIMULATION & MODELLING [ROOM NO- 308]
2.00 PM–3:30 PM	SESSION 17: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING TOOLS & APPLICATIONS [ROOM NO- 309]
4.00 PM- 5:15 PM	SESSION 18: NEURAL NETWORKS; DATA MINING & MACHINE LEARNING TOOLS; IoT [ROOM NO- 3AB]
4:00 PM- 5:30 PM	SESSION 19: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO- 308]
4:00 PM- 5:00 PM	SESSION 20: BIG DATA; IOT; ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [ROOM NO. – 309]

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 12: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

SESSION CHAIR: ANDREW J. PARK (TRINITY WESTERN UNIVERSITY, CANADA)

SESSION TIME: 9:30 AM-11:00 AM (DAY 2: 29TH MAY 2025) [ROOM NO. – 307]

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571135967	GUARDIAN: Goal-Oriented Unmanned Aerial Vehicles with Adaptive Real-Time Dynamic Intelligence for Advanced Neural Monitoring	Ananya Hazarika and Mehdi Rahmati (Cleveland State University, USA)
9.45 AM – 10.00 AM	1571135880	Preprocessing and Postprocessing for Robust Bone Tumor Detection: a Siamese-Guided Weighted Augmentation Pipeline	Ali Tamizifar (Isfahan University of Technology, Iran); Shakiba Berenjkoub (Electrical and Computer Engineering Isfahan University of Technology Iran, Iran); Zahra Sobhaninia (University of Copenhagen & Electronic and Computer, Denmark); Nader Karimi (Isfahan University of Technology, Iran); Pejman Khadivi and Shadrokh Samavi (Seattle University, USA)
10.00 AM -10.15 AM	1571138046	Tactile IoT-Driven Predictive Representation for Swift Content Delivery in Augmented and Virtual Reality	Ananya Hazarika and Mehdi Rahmati (Cleveland State University, USA)
10.15 AM -10.30 AM	1571122574	AI-Optimized Serverless Computing for Scalable Customer Sentiment Analysis in Open Banking APIs	Rajesh Vayyala (PRA Group Inc, USA)
10:30 AM – 10:45 AM	1571138493	LLM-Powered AI Agent Systems and Their Applications in Industry	Qianqian Tong (UNCG, USA); Guannan Liang (USA)
10:45 AM – 11:00 AM	1571135094	Dversarial Robustness in Cloud-Native Core Banking Systems: Topological Data Analysis (TDA) for AI Model Integrity Under Cyber-Physical Attacks	Rajesh Vayyala (PRA Group Inc, USA)

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SESSION 13: PATTERN RECOGNITION; ARTIFICIAL INTELLIGENCE TOOLS & APPLICATIONS
SESSION CHAIR: SAMAH SENBEL (SACRED HEART UNIVERSITY, USA)
SESSION TIME: 9:30 AM-11.00 AM (DAY 2: 29TH MAY 2025) [ROOM NO. – 308]

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571132981	Efficient Detection of Relaxed Maximal Cliques in Large-Scale IoT Networks	Zy Li and Jooa Lee (Seattle University, USA); Yunqi Li (Everett College, USA)
9.45 AM – 10.00 AM	1571131502	A Novel Hybrid CNN-Quantum Neural Network Framework with Quantum Acceleration and Error Correction for High-Precision Breast Cancer Classification on AI Edge Devices	Senthilkumar Vijayakumar (Resercher, India); Shaunak Pai Kane (IEEE Member, India); Selvavaani Senthilkumar (IEEE Senior Member, USA); Parameshvarri Vaiappuri (Doctor, Malaysia); Filious Louis (IEEE Senior Member, USA); Sathyaprakash Palaniyappan (IEEE Senior Member, India); Anantha Prabha (CSE & SKCT, India)
10.00 AM -10.15 AM	1571138531	Comprehensive Comparative Study on Peak Particle Velocity Prediction for Surface Mines via a Machine Learning Approach	Milka C I Madahana and John E.D Ekoru (University of the Witwatersrand, South Africa)
10.15 AM -10.30 AM	1571132492	AI-Based Interference Pattern Prediction and Fair Scheduling in Full-Duplex Wireless IoT Networks	Hadi Hosseini and Ehsan Aryafar (Portland State University, USA)
10:30 AM – 10:45 AM	1571131457	E²A²: an Encouraging and Engaging Assignment Assistant for Learning Beyond Answers	Jiaheng Li, Bo Jiang, Zhi Xu and Mira Yun (Boston College, USA)
10:45 AM – 11:00 AM	1571135902	Hyperchat and Hypervideo: Enabling Real-Time Groupwise Conversations at Unlimited Scale	Louis Rosenberg, Gregg Willcox, Hans Schumann and Miles Bader (Unanimous AI, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

	SESSION 14: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING		
	SESSION CHAIR: SANJEEV KUMAR (UNIVERSITY OF TEXAS - RGV, USA)		
	SESSION TIME: 9:30 AM-11.00 AM (DAY 2: 29TH MAY 2025) [ROOM NO. – 309]		
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
9.30 AM – 9.45 AM	1571135685	SHIELD: Securing Healthcare IoT with Efficient Machine Learning Techniques for Anomaly Detection	Mahek T Desai (California State University Northridge, USA); Apoorva Rumale and Marjan Asadinia (California State University, Northridge, USA)
9.45 AM – 10.00 AM	1571138482	Exploration of Access to AI in Mobile Mentorship: a Use Case of Bring Your Own Device (BYOD)	Ranita Ganguly (Delaware State University, USA); Rajesh Kesavalalji, Narendra Chennupati, Hari Suresh Babu Gummadi and Sreedharbabu Sseshagani (Independent Researcher, India); Gayathri Garine (University of North Carolina, USA)
10.00 AM -10.15 AM	1571131563	AI-Centric Hyper-Heuristic and Self-Exclusion Mechanism for the Updating of a Heuristic	Steve Chan (Harvard University, USA)
10.15 AM -10.30 AM	1571135639	An Artificial Intelligence Driven Thermodynamics Based IOT Sensor Network for the Ultra-Early Detection of Wildfires	Ryan Honary (SensoRyAI, USA & UCLA, USA); Pirouz Kavehpour (UCLA, USA)
10:30 AM – 10:45 AM	1571134995	Rank Reversal Mitigation for Enhanced Transition Boundary Discernment in a Bespoke AI System	Steve Chan (Vit Tall Special Projects Unit, USA); Bob Griffin (University of Arizona, USA)
10:45 AM – 11:00 AM	1571135979	A Data-Driven Digital Twin for Student Engagement Prediction in e-Learning Systems	Sandra Kumi (University of Saskatchewan, Canada); Richard K Lomotey (The Pennsylvania State University, USA); Madhurima Ray (Pennsylvania State University, USA); Emma Cunningham and Stephanie Milovich (The Pennsylvania State University, USA); Ralph Deters (University of Saskatchewan, Canada)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

11:00 AM–11:30 AM	**COFFEE BREAK**

KEYNOTE SESSION [DAY 2: 29TH MAY 2025]

TIME	NAME OF THE EVENT
11:30 AM–12:15 PM	**EVE PSALTI** **(SENIOR DIRECTOR, ARTIFICIAL INTELLIGENCE ENGINEERING AT MICROSOFT)** **TITLE OF TALK: ENGINEERING THE FUTURE: HARNESSING THE POWER OF AI TO DRIVE BUSINESS GROWTH** **[ROOM NO. 3AB]**
12:15 PM - 1:00 PM	**LUYUAN FANG** **(CEO AND FOUNDER, CURATIVE AI)** **TITLE OF TALK: USHERING IN THE AI-FIRST HEALTHCARE ERA: REIMAGINING REVENUE CYCLE MANAGEMENT AND CLINICAL OPERATIONS** **[ROOM NO.-3AB]**

1:00 PM-2.00 PM	LUNCH BREAK

TUTORIAL ON APPLICATIONS ON GENERATIVE AI BY SUDIPTA SAHANA (UNIVERSITY OF ENGINEERING AND MANAGEMENT, KOLKATA)	2.00 PM – 5.00 PM [ROOM NO. – 307]

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

PARALLEL SESSIONS

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571138350	AI-Enabled Intrusion Detection of Cyber Security Flood Attacks on Smart Electric Meters	Sanjeev Kumar (University of Texas - RGV, USA); Maximiliano Garcia (The University of Texas - RGV, USA)
2.15 PM – 2.30 PM	1571135982	A Federated Deep Reinforcement Learning Approach for Reliable Glucose Regulation	Amima Shifa, Sherif Abdelfattah and Babu Baniya (Bradley University, USA)
2.30 PM – 2.45 PM	1571138359	Adaptive Bitrate Selection for Medical Video Compression: Balancing Bandwidth Efficiency and Segmentation Quality	Farzaneh Koohestani (Isfahan University of Technology, Iran); Zahra Nabi Zadeh Shahr Babak (McMaster University, Canada & Isfahan University of Technology, Iran); Nader Karimi (Isfahan University of Technology, Iran); Pejman Khadivi (Seattle University, USA); Shahram Shirani (McMaster University, Canada); Shadrokh Samavi (Seattle University, USA)
2.45 PM -3.00 PM	1571132399	Optimizing Rescue Mission Strategies: Integrating Human Intuition with AI Efficiency in VR Simulations Using Reinforcement Learning	Shahin Doroudian and Mohsen Dorodchi (University of North Carolina at Charlotte, USA)
3.00 PM – 3.15 PM	1571138507	Performance Comparison of Feature Selection Methods for Machine Learning Models on DDoS Attack Dataset	Sanjeev Kumar (University of Texas - RGV, USA); Nicole Kayambu (The University of Texas - RGV, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 16: CAD DESIGN ; NLP; GRAPHICS, SIMULATION & MODELLING
SESSION CHAIR: MICHAEL OKWORI (UNION COLLEGE, USA)
SESSION TIME: 2.00 PM–3:30 PM (DAY 2: 29TH MAY 2025) [ROOM NO. – 308]

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571138504	Design of a Mosquito Repellent Device with Ultraviolet Technology and Adhesive Capture	Victor Cristian Hinostroza Maravi and Liz Analy Tapahuasco Zúñiga (Universidad Continental, Peru); Romildo Genaro Silva Cuadros (UNMSM, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia)
2.15 PM – 2.30 PM	1571138373	Simulating the Effects of Prior Environmental Knowledge on Fire Egresss	Andrew J. Park (Trinity Western University, Canada); Ryan Ficocelli (Thompson Rivers University, Canada); Gisung Han (Korea Advanced Institute of Science and Technology, Korea (South))
2.30 PM – 2.45 PM	1571138713	Proof of Concept of a Wheelbarrow with Hitch Warning System to Optimize Tasks in Civil Works	Victor Cristian Hinostroza Maravi and Liz Analy Tapahuasco Zúñiga (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia); Romildo Genaro Silva Cuadros (UNMSM, Peru)
2.45 PM -3.00 PM	1571135814	Integrating Large Language Models (LLMs) and Vector Databases into Healthcare Operations	Rajvardhan Patil, Manideep Abbidi, Sorio Boit, Kruttika Sutrave and Jiaxin Du (Grand Valley State University, USA)
3.00 PM – 3.15 PM	1571138344	Sentiment Analysis of YouTube Comments on Videos About Fatal Extremist Attacks	Andrew J. Park and Dominic Nootebos (Trinity Western University, Canada)
3.15 PM - 3.30 PM	1571138720	Proof of Concept of a Portable Wind-Solar Hybrid Generating Device for Use in Remote Areas	Victor Cristian Hinostroza Maravi and Liz Analy Tapahuasco Zúñiga (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia); Albert J Valenzuela Inga (Universidad Continental, Peru)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

**SESSION 17: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING TOOLS & APPLICATIONS**

SESSION 17: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING TOOLS & APPLICATIONS

SESSION CHAIR: SAMAH SENBEL (SACRED HEART UNIVERSITY, USA)

SESSION TIME: 2.00 PM–3:30 PM (DAY 2: 29TH MAY 2025) [ROOM NO. – 309]

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571136000	Vision-Based Risk Detection of Bed Falls Using YOLOv8 and MediaPipe	Sherif Abdelfattah, Fawwaz Ali, Sai Gowtham Kalleti and Saifuddin Mahmud (Bradley University, USA)
2:15 PM – 2:30 PM	1571136005	Leveraging Artificial Intelligence for Type 2 Diabetes Management: a Community-Driven Platform Using Reddit Data and AI Tools	Shilpi Bhattacharyya (IBM, USA)
2:30 PM -2:45 PM	1571136010	Towards Security Awareness Enhancement Using Dynamic and Adaptive Behavior Learning Models	Preshika Basnet, Isha Nepal and Rasib Khan (Northern Kentucky University, USA)
2:45 PM – 3:00 PM	1571128782	Where You Say Matters: a Study of Positional Bias of Small LLMs	Salvatore Vella, Salah Sharieh, Fatima Hussain and Alex Ferworn (Toronto Metropolitan University, Canada)
3:00 PM – 3:15 PM	1571138481	Federated Clustering with Heterogeneous Distributed Data	Ranga Raju Vatsavai (North Carolina State University, USA & Lirio, Inc, USA); Chris Symons (Lirio, Inc, USA)
3:15 PM – 3:30 PM	1571135954	Leveraging RAG for Enhanced Business Intelligence with Local LLMs	Anujkumarsinh Donvir (ADP, USA); Priti Yadav (Human in Loop Corp., Canada & Independent Researcher, Canada); Sriram Panyam (Omlet Inc & Google, USA); Ram Joshi (Climate Corporation, USA & Meta, USA)

3.30 PM- 4.00 PM	**COFFEE BREAK**

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 18: NEURAL NETWORKS; DATA MINING & MACHINE LEARNING TOOLS; IoT			
SESSION CHAIR: RANGA RAJU VATSAVAI (NORTH CAROLINA STATE UNIVERSITY, USA & LIRIO, INC, USA)			
SESSION TIME: 4:00 PM - 5:15 PM (DAY 2: 29TH MAY 2025) [ROOM NO. – 3AB]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4:00 PM – 4:15 PM	1571135447	A Distributed Edge Computing Prototype Using Raspberry PIs	Minh Tran and Xiang Cao (Grand Valley State University, USA)
4:15 PM – 4:30 PM	1571132873	Enhancing Cybersecurity in der-Based Smart Grids with Blockchain and Differential Privacy	Noga Gercsak (UNC Charlotte, USA)
4:30 PM – 4:45 PM	1571132928	Cognitive IoT and Edge Computing for Intrusion Detection with Federated TinyML	Mingyan Li, Paul Laiu, Jeffrey Nichols, Mike Huettel, Isaac Sikkema, Mahim Mathur, Samuel C Hollifield and Max Hankins (Oak Ridge National Laboratory, USA)
4:45 PM – 5:00 PM	1571136924	Predictive Analytics in Public Health: Time Series Modeling of County Health Outcomes	Jake Ekoniak (University of California, Los Angeles, USA); Marjan Asadinia (California State University, Northridge, USA)
5:00 PM – 5:15 PM	1571136464	From Data to Diagnosis: AI-Powered Anomaly Detection for Heart Health	Jake Ekoniak (University of California, Los Angeles, USA); Marjan Asadinia (California State University, Northridge, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

		SESSION 19: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
		SESSION CHAIR: SANJEEV KUMAR (UNIVERSITY OF TEXAS - RGV, USA)	
		SESSION TIME: 4:00 PM - 5:30 PM (DAY 2: 29TH MAY 2025) [ROOM NO. – 308]	
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
4:00 PM – 4:15 PM	1571138483	Deep Reinforcement Learning for Adaptive Beamforming in Massive MIMO Systems Using DeepMIMO	Yusuf Usman, Caleb Muriuki-Mureithi and Daniel Vitashkevich (Quinnipiac University, USA); Robin Chataut (Texas Christian University, USA); Robert Akl (University of North Texas, USA)
4:15 PM – 4:30 PM	1571132918	MALTopic: Multi-Agent LLM Topic Modeling Framework	Yash Sharma (Google, USA)
4:30 PM – 4:45 PM	1571135959	A Hybrid CNN-LSTM-Transformer Model for IoT Networks Anomaly Detection	Yonas G Mulissa, Wei Li, Ajoy Kumar and Ling Wang (Nova Southeastern University, USA)
4:45 PM – 5:00 PM	1571135459	Bagging or Boosting? Anomalous Transaction Identification in Financial Systems	Srushti Patel, Ruobin Qi and Rashida Hasan (California State University, Northridge, USA)
5:00 PM – 5:15 PM	1571132001	Multimodal Large Language Models in Language Education: Personalization, Scale, and Future Potential	Xianping Wang (Florida Polytechnic University, USA); Hao Qiu (Fort Valley State University, USA); Jiayue Shen (SUNY Polytechnic Institute, USA); Weiru Chen (Slippery Rock University of Pennsylvania, USA); Anthony Choi (Mercer University, USA); Wenbing Zhao (Cleveland State University, USA)
5:15 PM – 5:30 PM	1571138363	AI-Enhanced Deep Neural Network Architecture for Accurate Channel Estimation in 6G Networks	Yusuf Usman, Daniel Vitashkevich and Caleb Muriuki-Mureithi (Quinnipiac University, USA); Robin Chataut (Texas Christian University, USA); Robert Akl (University of North Texas, USA)

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SESSION 20: BIG DATA; IOT; ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING		
SESSION CHAIR: ANDREW J. PARK (TRINITY WESTERN UNIVERSITY, CANADA)		
SESSION TIME: 4:00 PM - 5:00 PM (DAY 2: 29TH MAY 2025) [ROOM NO. – 309]		
TIME ALLOTTED	**PAPER ID**		**AUTHORS WITH AFFILIATION & COUNTRY**
4:00 PM – 4:15 PM	1571135377	Data-Driven Analysis of Weather Patterns: Comparative Study of New York City, Phoenix, and Seattle Using Advanced Visualization Techniques	Ruchitha Mallampati, Bharadwaj Pinisetty and Samah Senbel (Sacred Heart University, USA)
4:15 PM – 4:30 PM	1571137976	Energy Harvesting from Earth's Radiation for Internet of Things Applications	Amir Botros (Boise State University, USA); Adel Saleeb (Menoufia University, Egypt); Said Ahmed-Zaid and Eklas Hossain (Boise State University, USA)
4:30 PM – 4:45 PM	1571135631	Predictive Analysis of Basketball Shots from Inertial Data Using Machine Learning	Chiharu A. Mamiya, Lilly M Marletta, Cherrice Traver, Shane Cotter and Michael Okwori (Union College, USA)
4:45 PM – 5:00 PM	1571138372	A Foggy Forecast: Reducing Distributed Data at the Edge	Jaimie L F Kelley (Ohio State University, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

Day 3: 30ᵗʰ May 2025

TIME	PARALLEL SESSION
9:30 AM - 11:00 AM	SESSION 21: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING AND SECURITY [ROOM NO- 307]
9:30 AM - 11:00 AM	SESSION 22: COMPUTER VISION AND SPEECH AND SOFTWARE ENGINEERING [ROOM NO- 308]
9:30 AM - 11:00 AM	SESSION 23: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING; SECURITY AND IOT [ROOM NO- 309]
9:30 AM - 11:00 AM	SESSION 24: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [VIRTUAL SESSION] [ROOM NO- 3AB]
11:30 PM - 1:00 PM	KEYNOTE SESSION [ROOM NO- 3AB]
2:00 PM - 5:00 PM	TUTORIAL 2: ASPECTS OF VIRTUAL REALITY [ROOM NO- 307]
2:00 PM – 3:15 PM	SESSION 25: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TOOLS & APPLICATIONS [ROOM NO- 3AB]
2:00 PM – 3:30 PM	SESSION 26: ARTIFICIAL INTELLIGENCE TOOLS & APPLICATIONS; IOT ; SOFTWARE ENGINEERING [ROOM NO- 308]
2:00 PM – 3:30 PM	SESSION 27: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING; IOT [ROOM NO- 309]
3:30 PM – 5:00 PM	SESSION 28: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING; SECURITY [VIRTUAL SESSION] [ROOM NO- 3AB]
3:30 PM – 5:00 PM	SESSION 29: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING [VIRTUAL SESSION] [ROOM NO- 308]
3:30 PM – 5:00 PM	SESSION 30: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING TOOLS & APPLICATIONS; SECURITY FOR IOT [VIRTUAL SESSION] [ROOM NO- 309]
5:00 PM – 5:30 PM	VALECDICTORY SESSION [ROOM NO- 3AB]

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 21: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING AND SECURITY			
SESSION CHAIR: RISHABH DAS (OHIO UNIVERSITY, USA)			
SESSION TIME: 9:30 AM-11:00 AM (DAY 3: 30TH MAY 2025) [ROOM NO. – 307]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
9:30 AM – 9:45 AM	1571135985	Multimodal Biomarker Discovery for Diabetic Retinopathy: an in-Context Learning Approach to Early Detection and Progression Monitoring	Jiblal Upadhya (Middle Tennessee State University, USA & USA, USA); Khem Poudel and Jaishree Ranganathan (Middle Tennessee State University, USA)
9:45 AM -10:00 AM	1571131929	AI's Hidden Influence: the Silent Manipulation of Youth	Abdulrahman Yarali (MSU, USA)
10:00 AM – 10:15 AM	1571135382	A Mutually Exclusive 3D Convolution Based Time Dilation Framework for Future Frame Prediction in Video Streams of Natural Events	Benjamin Robinson and Chaity Banerjee Mukherjee (University of Alabama in Huntsville, USA); Eduardo L Pasiliao, Jr (Air Force Research Laboratory, USA); Tathagata Mukherjee (University of Alabama in Huntsville, USA)
10:15 AM -10:30 AM	1571135413	Multimodal AI for Seamless Communication: Integrating Computer Vision and Speech Translation with LLMs	Preksha Vinod Kothari (The Edge Fitness Clubs, LLC, USA); Jainam Tushar Gandhi (Wuxi Advanced Therapies, USA)
10:30 AM – 10:45 AM	1571136045	An Intelligent IoT Navigation System for Visually Impaired Individuals: Design and Implementation	Punam Ram Pukale, Kushal Sri Rangam, Shounak Palnitkar Jitendra, Dongbin Lee and Jinzhu Gao (University of the Pacific, USA)
10:45 AM-11:00 AM	1571133013	Identity Recognition for Multiple Agents in an Alternative-Paths Workflow: a Hidden Markov Approach	Shieu-Hong Lin, Maddie Westhuyzen, Meilyn Hill and Zhengyi Zhao (Biola University, USA)

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	SESSION 22: COMPUTER VISION AND SPEECH AND SOFTWARE ENGINEERING		
	SESSION CHAIR: MICHAEL OKWORI (UNION COLLEGE, USA)		
	SESSION TIME: 9:30 AM-11:00 AM (DAY 3: 30TH MAY 2025) [ROOM NO. – 308]		
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571136915	SCAN-SPEAK: a Dual-Path Deep Learning Model for Alzheimer's Detection from Scans and Speech	Rowena Quinn (Illinois Central College, USA); Sherrene Bogle (California State Polytechnic University, Humboldt, USA); Marjan Asadinia (California State University, Northridge, USA)
9.45 AM – 10.00 AM	1571135551	Skin Lesion Segmentation Using Unet with a Topology Term in Loss Function	Hong Cheng and Md Shakilur Rahman (Southern Arkansas University, USA)
10.00 AM -10.15 AM	1571135444	Precise Alzheimer's Disease Diagnosis via Advanced Brain MRI Image Segmentation with Optimized Attention OAUN Pipeline	Yu Lin (Stevens Institute of Technology, USA); Ming Xu (University of Wisconsin Milwaukee, USA); Kaiyue Luo (Duke University, USA)
10.15 AM -10.30 AM	1571135452	Attention ResNet-Based Classification of β-Amyloid PET Images for Alzheimer's Disease Severity Assessment	Yu Lin (Stevens Institute of Technology, USA); Ming Xu (University of Wisconsin Milwaukee, USA); Kaiyue Luo (Duke University, USA); Tranush Kondapalli (Texas Tech University, USA)
10:30 AM – 10:45 AM	1571138718	Design and Development of an Automatic Solar Gate with Wireless Activation Using LoRa Technology for Efficient Water Flow Management	Victor Cristian Hinostroza Maravi and Liz Analy Tapahuasco Zúñiga (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia); Romildo Genaro Silva Cuadros (UNMSM, Peru)
10:45 AM – 11:00 AM	1571135940	Large Language Models for Automated Network Protocol Testing: a Survey	Vy Dang Phuong Nguyen and Sepehr Amir-Mohammadian (University of the Pacific, USA)

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SESSION 23: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING; SECURITY AND IOT			
SESSION CHAIR: AREF SMILEY (UNIVERSITY OF UATH, USA)			
SESSION TIME: 9:30 AM-11:00 AM (DAY 3: 30TH MAY 2025) [ROOM NO. – 309]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571135237	Focal-Unet: Unet-like Focal Modulation for Medical Image Segmentation	Mohammadreza Naderi, Mohammadhossein Givkashi, Fatemeh Piri, Behzad Mirmahboub and Nader Karimi (Isfahan University of Technology, Iran); Shadrokh Samavi (Seattle University, USA)
9.45 AM – 10.00 AM	1571135140	Design Framework to Realize on-Chip ML Accelerator: Energy Efficient Seizure Prediction Processor Using Neural Network	Karen Gonzalez, Sam Johnson and Wala Saadeh (Western Washington University, USA)
10.00 AM -10.15 AM	1571135615	Low-Power GPU-Accelerated Neural Inference for Bitrate Prediction on Edge Devices	Sayandip Pal (San Diego State University, USA); Mahasweta Sarkar (San Diego State University & Center for Neurotechnology, USA); Santosh Nagaraj (San Diego State University, USA)
10.15 AM -10.30 AM	1571127784	PhishProof: AI-Driven Phishing Detection with Optimized Feature Selection for Scalable Security	Yusuf Usman (Quinnipiac University, USA); Brian Girardi (Rice University, USA); Robert Akl (University of North Texas, USA); Prashnna K Gyawali (West Virginia University, USA); Robin Chataut (Texas Christian University, USA)
10:30 AM – 10:45 AM	1571135997	Weaponizing Search Engines: Efficient Discovery and Exploitation of XSS in Public-Facing Endpoints	Smit Chandrakant Nayak (Montclair State University, USA); Sarvagn Pathak (New Jersey Institute of Technology, USA); Fuad Hamidli (University Lecturer, USA)
10:45 AM - 11:00 AM	1571137027	Privacy-Preserving Healthcare Data Security Using Large Language Models and Adaptive Access Control	Srimaan Yarram (Coupa Software, USA); Sreedhar Babu Seshagani (American Express, USA); Nagaraju Dasari (Navy Federal Credit Union, USA); Priyam Ganguly (Widener University, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 24: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR:			
SESSION TIME: 9:30 AM-11:00 AM (DAY 3: 30TH MAY 2025) [ROOM NO. – 3AB]			
PARTICIPATION LINK: [VIRTUAL LINK]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9:30 AM – 9:45 AM	1571135480	Evaluation of Real-Time Preprocessing Methods in AI-Based ECG Signal Analysis	Jasmin Freudenberg (University of Siegen, Germany); Kai Hahn (Universität Siegen, Germany); Christian Weber (University of Siegen, Germany); Madjid Fathi (Universität Siegen, Germany)
9:45 AM -10:00 AM	1571116730	Artificial Intelligence for Smart South African Transport Industry	Ndala Mulongo (University of Johannesburg, South Africa)
10.00 AM -10.15 AM	1571129109	Implementation of AI in the Automation Industry for Personalized Production and Quality Improvement for Revenue Growth	Krishna D Jadhav (University of Chicago, USA & Tech Mahindra, USA)
10.15 AM -10.30 AM	1571116732	Challenges to Adopting Artificial Intelligence Technologies for the Development of Smart Governance of Smart City	Ndala Mulongo (University of Johannesburg, South Africa)
10:30 AM – 10:45 AM	1571129136	Critical Analysis of the Application of AI in Risk Management Financial Services	Krishna D Jadhav (University of Chicago, USA & Tech Mahindra, USA)
10:45 AM - 11:00 AM	1571116735	Artificial Intelligence for Smart Agriculture Industry	Ndala Mulongo (University of Johannesburg, South Africa)

11.00 AM – 11.30 AM	COFFEE BREAK

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

KEYNOTE SESSION [DAY 3: 30TH MAY 2024]

TIME	NAME OF THE EVENT
11:30 AM–12:15 PM	**MAHASWETA SARKAR** **(PROFESSOR ,SAN DIEGO STATE UNIVERSITY)** **TITLE OF TALK: INTELLIGENT SYSTEMS CONNECTING THE UNCONNECTED** **[ROOM NO. – 3AB]**
12:15 PM–1:00 PM	**KEYNOTE ADDRESS BY SARA ABDALI** **(SENIOR RESEARCHER, MICROSOFT)** **TITLE OF TALK: PHILOSOPHY-INSPIRED NLP TO FOSTER INNOVATION [VIRTUAL][LINK]** **[ROOM NO. – 3AB]**
LUNCH BREAK	**1.00 PM–2.00 PM**

Tutorial on Aspects of Virtual Reality By **Dr. Phillip Bradford (University of Connecticut, Stamford, USA)**	**2.00 PM- 5.00 PM** **[ROOM NO. – 307]**

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
		SESSION 25: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TOOLS & APPLICATIONS	
		SESSION CHAIR: XIANPING WANG (FLORIDA POLYTECHNIC UNIVERSITY)	
		SESSION TIME: 2:00 PM - 3:15 PM (DAY 3: 30TH MAY 2025) [ROOM NO. – 3AB]	
2:00 PM – 2:15 PM	1571120143	Benchmarking Machine Learning Methods for Modeling Energy Consumption of Small Drones	Umut Can Cabuk and Yusuf Ozturk (San Diego State University, USA)
2:15 PM – 2:30 PM	1571129809	Smart Agriculture Advisor: a Machine Learning Approach to Precision Farming	Venkata Ranga Ramanuja K Chaitanya Kamduri (University of the Pacific, USA & N/a, USA); Pramod Gupta (University of the Pacific, USA)
2:30 PM – 2:45 PM	1571135976	Integrating LLM Text-to-Speech for an Accessible Bible Study Application	Nathanael A. Craver, Deepshikha Bhati and Angela Guercio (Kent State University, USA)
2:45 PM -3:00 PM	1571135998	Evaluating Real-Time Object Detection Models for Autonomous Vehicle Vision	Surbhi Bahri (Algonquin College, Canada & University of Ottawa, Canada); Hussein Mouftah (University of Ottawa, Canada)
3:00 PM – 3:15 PM	1571135652	The Role of Machine Learning and Neural Networks in Predicting Treatments for Colorectal Cancer Patients	Garik Kazanjian and Venkata Siva Kumar K Margapuri (Villanova University, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571135650	Congestion-Based Traffic Control with Dynamic Algorithms and Supervised Machine Learning	Skyler M Putney, Mohamed S Hefeida and Anurag K Srivastava (West Virginia University, USA)
2:15 PM – 2:30 PM	1571135655	Exploring IoT Architecture for Home-Based Physical Telerehabilitation	Aref Smiley (University of Uath, USA); Joseph Finkelstein (University of Utah, School of Medicine, USA)
2:30 PM – 2:45 PM	1571135934	Optimized Multi-Path Routing for IoT Connectivity in LEO Satellite Networks: a Load-Balanced Approach	Jatin K Rai (Southern Illinois University, Carbondale, USA); Baraa Abudehais (Research Assistant, USA); Ansuman Bhattacharya (Indian Institute of Technology, Dhanbad, India); Koushik Sinha (Southern Illinois University Carbondale, USA)
2:45 PM – 3:00 PM	1571136024	Hardware-Software Co-Designed Embedded System for Efficient Image Processing	Sharoon Sharif (Alabama A&M University, USA); Sita Kondamadugula (Alabama A & M University, USA); Zhigang Xiao (AAMU, USA); Andrew Scott (Alabama A&M University, USA)
3:00 PM – 3:15 PM	1571135628	Development of Microcontroller-Based AI Robot Tour Guide Utilizing Custom Language Models	Ian S Jackson, Aiden G Ballard, Mohamed S Hefeida, Anurag K Srivastava and Prashnna K Gyawali (West Virginia University, USA)
3:15 PM – 3:30 PM	1571135634	Building a UC Treatment Response Classifier: a Random Forest Classifier with Key Biomarker Identification	Mohammad Ahmadi (University of New Mexico, USA); Mohammad David Ismaeil (Islamic Azad University, Iran); Jorge Canales Verdial (Central New Mexico Community College, USA); Amir Raeisi Nafchi and Mona Esmaeili (University of New Mexico, USA)

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SESSION 27: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING; IOT			
SESSION CHAIR: SANJEEV KUMAR (UNIVERSITY OF TEXAS - RGV, USA)			
SESSION TIME: 2:00 PM- 3:30 PM (DAY 3: 30th May 2025) [ROOM NO. – 309]			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2:00 PM – 2:15 PM	1571136023	A Survey on Large Concept Models: Advancing Applications in Healthcare, Finance, and Education	Aditi Singh (Cleveland State University, USA); Abul Ehtesham (Kent State University, USA); Saket Kumar (The Mathworks, USA); Tala Talaei Khoei (Northeastern University, USA)
2:15 PM – 2:30 PM	1571135994	Internet of Things Solutions for Data Acquisition from Custom Bluetooth Low Energy Peripherals	Joshua J Porter (Youngstown State University, USA); Vamsi Borra (Youngsotwn State University, USA); Frank X Li (Youngstown State University, USA)
2:30 PM – 2:45 PM	1571138490	Evaluating AI-Assisted Search vs. Traditional Keyword Search: a Comparative Study of ChatGPT and Google	Owen F Karpinski, Levi N Mcfetridge, Michael C Ta, Faris N Ashriem and Aditi Singh (Cleveland State University, USA)
2:45 PM -3:00 PM	1571135638	AI-Based Drug Discovery of Multi-Hormone Receptor Agonists for Obesity Treatment	Jayasree Rangu (USA); Anup Ramdhave (Other, Canada)
3:00 PM – 3:15 PM	1571134897	A Comprehensive Review of Datasets and Preprocessing Techniques in Deep Learning-Based Breast Cancer Classification	Sharmin Akhter and Jiangjiang Liu (Lamar University, USA); Afjal H Sarower (Washington University of Science and Technology, USA); Farha Kamal and Tasmina Imam (Lamar University, USA); Md. Saymon Ahammad (Daffodil International University, Bangladesh)
3:15 PM – 3:30 PM	1571138501	Large Language Models in Wearable Devices: Applications, Challenges, and Future Directions	Poojareddy Arava and Aditi Singh (Cleveland State University, USA)

3:30 PM – 4:00 PM	COFFEE BREAK

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 28: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING; SECURITY			
SESSION CHAIR: RISHABH DAS (OHIO UNIVERSITY, USA)			
SESSION TIME: 3:30 PM -5:00 PM (DAY 3: 30TH MAY 2025) [ROOM NO. – 3AB]			
PARTICIPATION LINK: [VIRTUAL LINK]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
3:30 PM – 3:45 PM	1571136006	Breast Cancer Classification Through Meta-Learning on Multimodal MRIs	Siu Pang Yung (The University of Hong Kong, Hong Kong); Raymond Hon-Fu Chan (Lingnan University, Hong Kong); Yao Lu (Sun Yat-sen University, China); Chenghao Qiu, Jun Xie, Kehui Zhang and Xiaosheng Zhuang (City University of Hong Kong, Hong Kong)
3:45 PM – 4:00 PM	1571128030	Enhancing ISP Compliance in Remote Work: the Impact of Social Connectivity on Security and Privacy	Rijo Joy (University of the Cumberlands, USA)
4:00 PM – 4:15 PM	1571134538	Preventing DDoS Attacks in SDN Networks: a Model of Défense Against Packet-in Flooding	Wendnéso Aïda Ouedraogo Rakissaga (UJKZ, Burkina Faso & LAMI, Burkina Faso); Frédéric Frederic Ouedraogo (Université Norbert Zongo, Burkina Faso); P. Justin Kouraogo (Ecole de Technologie Supérieure University of Québec at Montréal, Canada)
4:15 PM – 4:30 PM	1571135995	Early Wildfire Detection Using Sensor Networks and RNN-Based Models	Ankita Mohapatra (California State University Fullerton, USA); Lucius Gibbons (Irvine Valley College, USA); Jatin Mahey (California State University, Fullerton, USA); Dylan Ruiz (California State University Fullerton, USA)
4:30 PM – 4:45 PM	1571135858	Higher-Order-ReLU-KANs (HRKANs) for Solving Physics-Informed Neural Networks (PINNs) More Accurately, Robustly and Faster	Chi Chiu So (The Hong Kong Polytechnic University, Hong Kong); Siu Pang Yung (The University of Hong Kong, Hong Kong)
4:45 PM – 5:00 PM	1571132786	Intrinsic Motivation and ISP Compliance in Remote Work: a Factor Analytic Study Using Self-Determination Theory	Rijo Joy (University of the Cumberlands, USA)

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SESSION 29: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: JAIMIE L F KELLEY (OHIO STATE UNIVERSITY, USA)			
SESSION TIME: 3:30 PM – 5:00 PM (DAY 3: 30TH MAY 2025) [ROOM NO. – 308]			
PARTICIPATION LINK: [VIRTUAL LINK]			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
3:30 PM – 3:45 PM	1571135538	LLM-Guided Hybrid Architecture for Autonomous Fire Response: Dialog-Driven Planning in Space and Disaster Missions	Swarnamouli Majumdar (Zenext AI, Canada); Sonny Kirkley (Indiana University, USA); Biswadip Basu Mallik (Institute of Engineering & Management, India)
3:45 PM – 4:00 PM	1571136049	LLM-Guided Multi-Agent System for Natural Language-Based Robot Navigation	Kaveesha Gayathra Samarathunga, Lmd, Ranuri Aseka Gurusinghe, G A, Kugesan Sivasothynathan and Velmanickam Logeeshan (University of Moratuwa, Sri Lanka); Chathura Wanigasekara (German Aerospace Centre, Germany)
4:00 PM – 4:15 PM	1571136066	An Approach to Training and Fine-Tuning Large Language Models for Low-Resource Languages	Udith Sandaruwan Panthiye Kankanamge, Nimesh M A Fonseka, Pamith Chankana Salwathura and Velmanickam Logeeshan (University of Moratuwa, Sri Lanka)
4:15 PM – 4:30 PM	1571128772	Deep Learning Approach for Optimized DDoS Detection in SDN	Rolph Abraham Yao, Y (Université Joseph Ki-Zerbo & UJKZ, Burkina Faso); Ferdinand Tonguim Guinko (Université Joseph KI ZERBO, Burkina Faso)
4:30 PM – 4:45 PM	1571135780	Comparative Study of Fault Detection Systems Using Multi-Sensor Data for Inverter-Driven Permanent Magnet Synchronous Motor	Soe Min Htet and Chun-Yu Hsiao (Tatung University, Taiwan); Anh Duc Tran (University of Massachusetts Amherst, USA); Khanh Nguyen Hoang Nam (British International School, Vietnam); Khoi Minh Doan (Australian International School, Vietnam)
4:45 PM – 5:00 PM	1571111098	Next-Generation AI for Firefighter Hazard Prediction: Exploring BERT and Doc2Vec to Advance Safety and Risk Intelligence	Swarnamouli Majumdar (Zenext AI, Canada)

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	SESSION 30: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING TOOLS & APPLICATIONS; SECURITY FOR IOT		
	SESSION CHAIR: AREF SMILEY (UNIVERSITY OF UATH, USA)		
	SESSION TIME: 3:30 PM – 5:00 PM (DAY 3: 30TH MAY 2025) [ROOM NO. – 309]		
	PARTICIPATION LINK: [VIRTUAL LINK]		
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
3:30 PM – 3:45 PM	1571138071	Enabling Conversational Intelligence in Service Robots Through Multimodal Fusion and Resource-Aware Generative Models	Tharmilan Thanabalasingam, Henoshan Athimoolanathan, Garthigan Kumarasamy, Buddhika Prabhath Jayasekara and Velmanickam Logeeshan (University of Moratuwa, Sri Lanka); Chathura Wanigasekara (German Aerospace Centre, Germany)
3:45 PM – 4:00 PM	1571136040	Lightweight Machine Learning-Deep Learning Framework for IoT Devices	Otily Toutsop (Morgan State University & CREAM LAB, USA); Kevin Kornegay and Tsion M Yimer (Morgan State University, USA)
4:00 PM – 4:15 PM	1571138335	An AI-Based Approach for Improved Power Quality Disturbances Detection and Classification	Kalani Ganganee, Gayantha Gimhan Ranasinghe, Mathusha Sivaananthan, Velmanickam Logeeshan and S Kumarawadu (University of Moratuwa, Sri Lanka); Chathura Wanigasekara (German Aerospace Centre, Germany)
4:15 PM – 4:30 PM	1571135941	Analysis of Encrypted Wireless Traffic for Identification of IoT Devices	Natalie Nakhla, Susan Watson, Ronggong Song and Grant Vandenberghe (Defence Research and Development Canada, Canada); Nazmul Islam (Queen's University, Canada); Masoud Bozorgi (Defence Research and Development Canada, Canada); Ming Li (Defence Research and Development Canada)
4:30 PM – 4:45 PM	1571136044	Is There a Path Backward If the Cloud is Compromised?	Tsion M Yimer (Morgan State University, USA); Otily Toutsop (Morgan State University & CREAM LAB, USA); Kevin Kornegay (Morgan State University, USA)
4:45 PM – 5:00 PM	1571135399	CorrMADA: Improving Robustness of ML-Coupled Intrusion Detection Systems	Yousef Alshehri and Farzaneh Saadati (University of Georgia, USA)

VALEDICTORY SESSION	**5:00 PM – 5:30 PM [ROOM NO. – 3AB]**

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