



IEEE IEMCON 2024

2024 IEEE 15th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)

UNIVERSITY OF CALIFORNIA, BERKELEY, USA

24 - 26 October 2024

All the timings are given in Pacific Daylight Time (GMT+7)

TECHNICAL SCHEDULE

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All the timings are given in Pacific Daylight Time (GMT+7)

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All the timings are given in Pacific Daylight Time (GMT+7)

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All the timings are given in Pacific Daylight Time (GMT+7)

DAY 1: 24th Oct 2024

TIME	PARALLEL SESSION
9:00 AM - 9:30 AM	INAUGURATION [ROOM - SARGENT JOHNSON]
11:00 AM- 11:30AM	BREAK
9:30 AM – 11:00 AM	SESSION 1: BUSINESS INTELLIGENCE AND COMPUTER NETWORK [ROOM - SARGENT JOHNSON]
11:30 AM-1:00 PM	KEYNOTE 1: THE TRANSFORMATIVE ROLE OF AI IN NEW MOBILITY [ROOM - SARGENT JOHNSON] KEYNOTE 2: DISTRIBUTED MEASUREMENT OF OCEAN WAVES FOR SMART STEERING
1:00 PM-2:00 AM	LUNCH BREAK
2:00 PM – 3:30 PM	SESSION 2: INTELLIGENT INFORMATION PROCESSING AND COMPUTER GRAPHICS [ROOM - SARGENT JOHNSON]
2:00 PM – 3:30 PM	SESSION 3: ARTIFICIAL INTELLIGENCE [ROOM - WARRING WILKINSON]
3:30 PM 4:00 PM	BREAK
2:00 PM – 3:30 PM	SESSION 4: ARTIFICIAL INTELLIGENCE AND NETWORK SECURITY [ROOM - SARGENT JOHNSON]

All the timings are given in Pacific Daylight Time (GMT+7)

SESSION 1: BUSINESS INTELLIGENCE AND COMPUTER NETWORK**SESSION CHAIR: SHAHAB TAYEB (CALIFORNIA STATE UNIVERSITY,
FRESNO, USA)****SESSION TIME: 9:30 AM – 11:00 AM (DAY 1: 24th Oct 2024)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571075145	Automated Detection of Track Gauge Deviations Using Video and Depth Cameras With Machine Learning	Connor Stonestreet, Hwapyeong Song, Husnu S Narman, Pingping Zhu and Ammar Alzarrad (Marshall University, USA)
9.45 AM -10.00 AM	1571075913	A Microservice Architecture for Drone-Based Plant Disease Detection in Smart Agriculture	Jinpeng Miao (University of Colorado Boulder, USA); Shivakant Mishra (University of Colorado at Boulder, USA); Sanjeet Kumar Nayak (IIITDM Kancheepuram, India); Ram Narayan Yadav (Institute of Infrastructure Technology Research and Management, Ahmedabad, India)
10.00 AM – 10.15 AM	1571076140	Automated Railway Crack Detection Using Machine Learning: Analysis of Deep Learning Approaches	Andrew d'Arms, Hwapyeong Song and Husnu S Narman (Marshall University, USA); Nevzat Yurtcu (Nasdaq, USA); Pingping Zhu and Ammar Alzarrad (Marshall University, USA)
10.15 AM -10.30 AM	1571076071	A Latency Score Based Benchmarking Framework Integrating Quantum Computing in Edge-Cloud Environments	Guoxing Yao (University Missouri Saint Louis, USA); Navneet Kaur (UMSL, USA); Lav Gupta (University of Missouri - St. Louis, USA)

Break**11:00 AM- 11:30AM****All the timings are given in Pacific Daylight Time (GMT+7)**

KEYNOTE SESSION [DAY 1: 24TH OCT 2024]

TIME	NAME OF THE EVENT
11:30 AM – 12:15 PM	KEYNOTE ADDRESS BY EVANGELOS SIMOUDIS (FOUNDER AND MANAGING DIRECTOR SYNAPSE PARTNERS) TITLE OF TALK: THE TRANSFORMATIVE ROLE OF AI IN NEW MOBILITY
12:15 PM – 1:00 PM	KEYNOTE ADDRESS BY REZA ALAM (UNIVERSITY OF CALIFORNIA, BERKELEY) TITLE OF TALK: DISTRIBUTED MEASUREMENT OF OCEAN WAVES FOR SMART STEERING

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

SESSION 2: INTELLIGENT INFORMATION PROCESSING AND COMPUTER GRAPHICS

SESSION CHAIR: SHIVAKANT MISHRA (UNIVERSITY OF COLORADO AT BOULDER, USA)

SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 24TH OCT 2024)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571072733	Integrating Complex Adaptive Systems Theory With Whole-Systems Quantum Computing Approaches	Pravir Malik (Deep Order Technologies, USA)
2.15 PM – 2.30 PM	1571074471	Comparative Analysis of Rule-Based and Large Language Model-Based Approaches in Addressing Variability in Clinical Outcome Reporting	Fatemeh Shah-Mohammadi (University of Utah, USA); Joseph Finkelstein (University of Utah, School of Medicine, USA)
2.30 PM – 2.45 PM	1571076708	Scalability Analysis of Competing Niching Paradigms in Swarm Intelligence: Sequential Vs Parallel	Yves Matanga, Pius Adewale Owolawi, Chunling Tu and E. A. Van Wyk (Tshwane University of Technology, South Africa)
2.45 PM -3.00 PM	1571074465	Music-Enhanced Parallel Coordinate Plots: Visualizing Information in an Interactive Multimodal Environment	Shamima Yasmin (Eastern Washington University, USA)
3.00 PM – 3.15 PM	1571075545	Neural Network-Based Anomaly Detection in the Internet of Vehicles	Lovedeep Singh, Matin Pirouz and Shahab Tayeb (California State University, Fresno, USA)

All the timings are given in Pacific Daylight Time (GMT+7)

SESSION 3: ARTIFICIAL INTELLIGENCE**SESSION CHAIR: BROOK ABEGAZ (LOYOLA UNIVERSITY CHICAGO, USA)****SESSION TIME: 2:00 PM – 3:30 PM (DAY 1: 24TH OCT 2024)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571071555	P meta: Personal University AI Assistant Using Retrieval Augmented Generation	Robin Ghosh (Corley Hall, USA); Sijan Panday (Arkansas Tech University, USA); Md Atiqur Rahaman (Senior Data Scientist at CISCO, USA)
2.15 PM – 2.30 PM	1571072999	An Emotional Artificial Intelligence Framework for Detecting Criminals	Tala Talaei Khoei (Northeastern University, USA); Aditi Singh (Cleveland State University, USA); Peizhi Yan (Northeastern University, USA)
2.30 PM – 2.45 PM	1571071978	A Zero-Trust Reinforcement Learning Policy for Mitigating Cyberattacks on Emergency Vehicle Preemption Systems	Dalal Alharthi (The University of Arizona, USA); Montasir Abbas (Virginia Tech, USA)
2.45 PM -3.00 PM	1571075785	A Scalable RISC-V Coprocessor for Liquid Time-Constant Neural Network	Andreas Rebsamen and Juergen Wassner (Lucerne University of Applied Sciences and Arts, Switzerland)

3:30 PM- 4:00 PM**COFFEE BREAK****All the timings are given in Pacific Daylight Time (GMT+7)**

SESSION 4: ARTIFICIAL INTELLIGENCE AND NETWORK SECURITY**SESSION CHAIR: SHAHAB TAYEB (CALIFORNIA STATE UNIVERSITY, FRESNO, USA)****SESSION TIME: 4:00 PM – 5:30 PM (DAY 1: 24TH OCT 2024)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
4.00 PM – 4.15 PM	1571076125	Natural Language Processing-Driven Text-To-Animation Framework	Andrew J. Park (Trinity Western University, Canada); Musfira Aslam (National University of Sciences and Technology, Pakistan); Aiden Evans (Trinity Western University, Canada)
4.15 PM – 4.30 PM	1571076102	Design of a Multi-Sensing Platform for Collaborative and Safe Operation of Autonomous Systems	Brook Abegaz and Michael Quiroga (Loyola University Chicago, USA)
4.30 PM – 4.45 PM	1571074027	AI Edu: Navigating Privacy and Confidentiality	Kutub Thakur (St.Johns University, USA); Suzanna Schmeelk (St. John's University, USA); Md L. Ali (Rider University, USA); Abu S Kamruzzaman (the City University of New York (CUNY), USA); Joan E DeBello and Denise Dragos (St. John's University, USA)
4.45 PM - 5.00 PM	1571072491	Navigating AI to Unpack Youth Privacy Concerns: An In-Depth Exploration and Systematic Review	Ajay K Shrestha, Ankur Barthwal, Molly Campbell, Austin Shouli, Saad Syed and Sandhya Joshi (Vancouver Island University, Canada); Julita Vassileva (University of Saskatchewan, Canada)
5.00 PM – 5.15 PM	1571074035	Safeguarding Network: Mechanisms and Prevention Strategies of DNS Hijacking	Kutub Thakur (St.Johns University, USA); Joan E DeBello (St. John's University, USA); Abu S Kamruzzaman (the City University of New York (CUNY), USA); Md L. Ali (Rider University, USA)
5.15 PM – 5.30 PM	1571075105	A Comprehensive Survey of Cyber-Crimes: Impacts, Classification and Prevention	Xi Chen (Northeastern University & Roux Institute, USA); Tala Talaei Khoei (Northeastern University, USA); Aditi Singh (Cleveland State University, USA)

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Day 2: 25th OCT 2024

TIME	PARALLEL SESSION
9:30 AM-11:00 AM	SESSION 5: AD HOC NETWORKS [ROOM - SARGENT JOHNSON]
11:00 AM- 11:30AM	BREAK
11:30 AM-1:00 PM	KEYNOTE 1: VORTEX: THE PRACTICAL OF GENAI AT REAL WORLD BUSINESS [ROOM - SARGENT JOHNSON] KEYNOTE 2: HUMAN-ROBOT COLLABORATION: EXTREME ENVIRONMENT, HEALTH CARE, AND THE WORKPLACE
1:00 AM-2:00 AM	LUNCH BREAK
2:00 PM – 3:30 PM	SESSION 6: MACHINE LEARNING AND AI [ROOM - SARGENT JOHNSON]
2:00 PM – 2:45 PM	SESSION 7: MACHINE LEARNING, BIG DATA AND ROBOTICS [ROOM - WARRING WILKINSON]
2:45 PM- 3:15 PM	BREAK
3:15 PM- 4:00 PM	SESSION 8: CONTROL THEORY, ROUTING AND NLP [ROOM - WARRING WILKINSON]
3:15 PM- 5:15 PM	SESSION 9: SOFTWARE ENGINEERING, AI AND ML [ROOM - SARGENT JOHNSON]

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SESSION 5: AD HOC NETWORKS**SESSION CHAIR: SHIVAKANT MISHRA (UNIVERSITY OF COLORADO AT BOULDER, USA)****SESSION TIME: 9:30 AM-11:00 AM (DAY 2: 25TH OCT 2024)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571075547	Core Trends in Complex Networks for Social Network Analysis	Matin Pirouz (California State University, Fresno, USA)
9.45 AM -10.00 AM	1571072339	Cluster-Based FANETs With MIMO-OFDM Under 3D Mobility in 5G and Beyond	Md. Thouhidur Rahman (Yildiz Technical University & Tubitak, Turkey); A. F. M. Shahen Shah (Yildiz Technical University, Turkey); Muhammet Ali Karabulut (Kafkas University, Turkey); Haci Ilhan (Yildiz Technical University, Turkey)
10.00 AM – 10.15 AM	1571074381	A Five-Dimension MPA Based Fitness Function for Optimizing Energy in IoT Sensor Networks Considering Various Smart City Applications	Khalid A. Darabkh and Muna AlAkhras (The University of Jordan, Jordan)
10.15 AM -10.30 AM	1571077516	Multi-Mesh: A Miniaturized Multi-Radio WLAN Mesh Testbed	Tim Brockmann (University of Rostock, Germany); Michael Rethfeldt (University of Rostock & Institute of Applied Microelectronics and Computer Engineering, Germany); Benjamin Beichler (University of Rostock, Germany); Frank Golatowski (University of Rostock & Institute of Applied Microelectronics and Computer Engineering, Germany); Christian Haubelt (University of Rostock, Germany)
10:30 AM – 10.45 AM	1571076192	Cloud Incident Response Framework	Dalal Alharthi (The University of Arizona, USA)

11:00 AM- 11:30 AM**COFFEE BREAK****All the timings are given in Pacific Daylight Time (GMT+7)**

KEYNOTE SESSION [DAY 2: 25TH OCT 2024]

TIME	NAME OF THE EVENT
11:30 AM–12:15 PM	KEYNOTE ADDRESS BY BRUCE YANG (SENIOR DIRECTOR, HEAD OF AI & MACHINE LEARNING, SHEIN TECHNOLOGY LLC) TITLE OF TALK: VORTEX: THE PRACTICAL OF GENAI AT REAL WORLD BUSINESS
12:15 PM–1:00 PM	KEYNOTE ADDRESS BY OUSSAMA KHATIB (PROFESSOR, STANFORD UNIVERSITY) TITLE OF TALK: HUMAN-ROBOT COLLABORATION: EXTREME ENVIRONMENT, HEALTH CARE, AND THE WORKPLACE

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

SESSION 6: MACHINE LEARNING AND AI

SESSION CHAIR: ABU S KAMRUZZAMAN (THE CITY UNIVERSITY OF NEW YORK (CUNY), USA)

SESSION TIME: 2:00 PM-2:45 PM (DAY 2: 25TH OCT 2024)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571072392	Mpox Narrative on Instagram: A Labeled Multilingual Dataset of Instagram Posts on Mpox for Sentiment, Hate Speech, and Anxiety Analysis	Nirmalya Thakur (South Dakota School of Mines and Technology, USA)
2.15 PM – 2.30 PM	1571071562	Smart Shield: Enhancing IoT Security Against DDoS Attacks Using AI Techniques	Saikat Das (Utah Valley University, USA); Raktim Ranjan Das (Stamford University Bangladesh, Bangladesh)
2.30 PM – 2.45 PM	1571074935	Broadband-Based IoT Communication Solutions for Agribusiness and High-Speed Industrial Internet of Things (IIoT): Advanced Machine Learning Approach	Emmanuel Utochukwu Ogbodo (INATEL, Santa Rita do Sapucaí, Brazil); Luciano Leonel Mendes (Inatel, Brazil)

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SESSION 7: MACHINE LEARNING, BIG DATA AND ROBOTICS

SESSION CHAIR: DALAL ALHARTHI (THE UNIVERSITY OF ARIZONA, USA)

SESSION TIME: 2.00 PM–2:45 PM (DAY 2: 25TH OCT 2024)

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
2.00 PM – 2.15 PM	1571075195	Multi-Sensor Enhanced UAV Bridge Survey With Dynamic Trajectory Planning and Resource Optimization	Divija Swetha Swetha Gadiraju (Faculty, USA & University of Nebraska at Omaha, USA); Deepak Khazanchi (USA)
2.15 PM – 2.30 PM	1571071535	Graph Learning From Smooth Signals and Predictors With Partially Known Graph Topology	Natalie E Bennett (California State University, Chico); Cameron L Nolen and Jing Guo (California State University, Chico, USA)
2.30 PM – 2.45 PM	1571076082	Student Performance Analysis Using Natural Language Processing	Matin Pirouz and Pujitha Reddy Surapareddy (California State University, Fresno, USA)

2:45 PM- 3:15 PM

COFFEE BREAK

All the timings are given in Pacific Daylight Time (GMT+7)

SESSION 8: CONTROL THEORY, ROUTING AND NLP**SESSION CHAIR: SAIKAT DAS (UTAH VALLEY UNIVERSITY, USA)****SESSION TIME: 3:15 PM- 4:00 PM (DAY 2: 25TH OCT 2024)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
3:15 PM – 3:30 PM	1571076103	Reconfigurable Battery Systems for Enhanced Fast Charging in Electric Vehicles	Jonathan Olivares, Tyler Depe and Rakeshkumar Mahto (California State University, Fullerton, USA)
3:30 PM – 3:45 PM	1571076128	Comprehensive Modeling of the Human Respiratory System via a Port Hamiltonian Approach	Milka C I Madahana (University of the Witwatersrand, South Africa)
3:45 PM – 4:00 PM	1571076088	Advancing Smart Grid Communication: Integrating Technological Innovations for Enhanced Performance	Harsh Kumar (University of Indianapolis, USA); Michael Devetsikiotis (University of New Mexico, USA); Fabrizio Granelli (University of Trento, Italy); Sisay Tadesse Arzo (University of New Mexico, USA)

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SESSION 9: SOFTWARE ENGINEERING, AI AND ML [VIRTUAL SESSION]**SESSION CHAIR: SHRIKANT S JADHAV (SAN JOSE STATE UNIVERSITY, USA)****SESSION TIME: 3:15 PM- 5:15 PM (DAY 2: 25th OCT 2024)****PARTICIPATION LINK: [CLICK HERE](#)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
3:15 PM – 3.30 PM	1571076121	Cognitive Complexity: A Paradigm-Independent Metric for Enhanced Software Complexity Assessment	Madhushika Rajapaksha (1 Billion Technology, Sri Lanka)
3.30 PM – 3.45 PM	1571076364	Enhancing E-Commerce Sentiment Analysis: An Ensemble Approach to Addressing Contextual Data Imbalance	Suchita Sharma (IEEE.org, USA & Shutterfly LLC, USA); Nishith Desai (Hemisphere GNSS, USA)
3.45 PM – 4.00 PM	1571077589	A 4DoF Cartesian Robot for Automated Compaction Mold Handling and Measurement	Heydi K Hinostroza Maravi, Albert J Valenzuela Inga, Jesus Angel Huamán Chavez, Rubí Del Pilar Valenzuela Isuiza and Benjamin De La Cruz Taipe (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia)
4.00 PM – 4.15 PM	1571076127	Enhancing Complexity Measurement in OO Systems: An Advanced Metric	Madhushika Rajapaksha (1 Billion Technology, Sri Lanka)
4.15 PM – 4.30 PM	1571077596	Design and Concept of a Tire Bead Separator Machine: Integrating a Two-Stage Shredding Process for Crumb Rubber Production	Heydi K Hinostroza Maravi, Albert J Valenzuela Inga, Jesus Angel Huamán Chavez, Rubí Del Pilar Valenzuela Isuiza and Benjamin De La Cruz Taipe (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia)
4.30 PM – 4.45 PM	1571076129	Quantifying Software Code Complexity With the CC Tool	Madhushika Rajapaksha (1 Billion Technology, Sri Lanka)
4.45 PM – 5.00 PM	1571076784	Predicting Future Ratings of Amazon Products Based on the Users' Prior Reviews	Raj Narendra Shah, Ranjitha Sukesh Kallur, Yashaswini Prakash and Srinidhi Yerabati (California State University San Marcos, USA); Asif Imran (University at Buffalo (SUNY), USA); Muhammad Lutfor Rahman (California State University San Marcos, USA)
5.00 PM – 5.15 PM	1571075910	Acceptance of Mobile Telephony in Rural Areas: An Extension of Rural Technology Adoption and Use Model	Ida Tognisse (IMSP, Benin & IMSP/ UAC, Benin)

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Day 3: 26th OCT 2024

TIME	PARALLEL SESSION
9:30 AM-11:00 AM	SESSION 10: WIRELESS NETWORK AND TELECOMMUNICATION SYSTEM [ROOM - WARRING WILKINSON]
11:00 AM- 11:30AM	BREAK
10:00 AM – 1:00 PM	WORKSHOP ON ASPECTS OF VIRTUAL REALITY BY DR. PHILLIP BRADFORD (UNIVERSITY OF CONNECTICUT, STAMFORD, USA) [ROOM - SARGENT JOHNSON]
11.30 AM-1.00 PM	SESSION 11: MACHINE LEARNING, DATA MINING AND AI [ROOM - WARRING WILKINSON]
11.30 AM-1.00 PM	SESSION 12: MOBILE COMPUTING, TELECOMMUNICATION SYSTEM [ROOM - SARGENT JOHNSON]
1:00 AM-2:00 AM	LUNCH BREAK
2:00 PM – 3:00 PM	VALEDICTORY SESSION [ROOM - WARRING WILKINSON]

All the timings are given in Pacific Daylight Time (GMT+7)

SESSION 10: WIRELESS NETWORK AND TELECOMMUNICATION SYSTEM**SESSION CHAIR: SAIKAT DAS (UTAH VALLEY UNIVERSITY, USA)****SESSION TIME: 9.30 AM-11.00 AM (DAY 3: 26th OCT 2024)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
9.30 AM – 9.45 AM	1571075943	FPGA-Based Inebriation & Drowsiness Detection Embedded System	Anthony Le, Shaun Suezaki and Shrikant S Jadhav (San Jose State University, USA)
9.45 AM -10.00 AM	1571072343	Performance Analysis of Fluid Antenna Multiple Access (FAMA) for 6G	A. F. M. Shahen Shah (Yildiz Technical University, Turkey); Muhammet Ali Karabulut (Kafkas University, Turkey); Eyup Cinar (Eskisehir Osmangazi University, Turkey); Khaled M. Rabie (Manchester Metropolitan University, United Kingdom (Great Britain))
10.00 AM – 10.15 AM	1571074484	Automated Assessment of Sit-To-Stand Test Using Machine Learning and Image Processing	Te-Yi Tsai (Data Scientist, University of Utah, USA); Aref Smiley (University of Utah, USA); Joseph Finkelstein (University of Utah, School of Medicine, USA)
10.15 AM – 10.30 AM	1571076078	Indoor Position Tracking Using WiFi-RTT	Brandon Emkjer, Brenden Newman, Richard Rule, Nikolas Selk and Girma Tewelde (Kettering University, USA)

11:00 AM- 11:30 AM**COFFEE BREAK****Workshop on Aspects of Virtual Reality****By****Dr. Phillip Bradford (University of Connecticut, Stamford, USA)****10:00 AM – 1:00 PM****All the timings are given in Pacific Daylight Time (GMT+7)**

SESSION 11: MACHINE LEARNING, DATA MINING AND AI [VIRTUAL SESSION]**SESSION CHAIR: QUDRAT E ALAHY RATUL (UTAH VALLEY UNIVERSITY)****SESSION TIME: 11.30 AM-1.00 PM (DAY 3: 26th OCT 2024)****PARTICIPATION LINK: [CLICK HERE](#)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11.30 AM – 11.45 AM	1571071529	Comparative Analysis of Photogrammetric Software for 3D Building Modeling: A Case Study at TUT	Rotimiwilliams Bello, Pius Adewale Owolawi, Chunling Tu, E. A. Van Wyk, Perseverence Khosa Pertunia and Nombuso Brenda Mahlangu (Tshwane University of Technology, South Africa)
11.45 AM -12.00 PM	1571073891	FIRE-Breast: A Firefly Optimization-Driven EfficientNetB0 CNN Model for Optimized Breast Cancer Detection	Roseline Oluwaseun Ogundokun (Landmark University, Nigeria & Tshwane University of Technology, Pretoria, South Africa); Pius Adewale Owolawi (Tshwane University of Technology, South Africa); Temitope Samson Adekunle (Colorado State University, USA); Charles Awoniyi (Bupa Insurance Services, United Kingdom (Great Britain))
12.00 PM – 12.15 PM	1571074377	Prolonging IoT Sensor Networks Lifetime for Different Smart City Applications Utilizing a Three-Dimension MPA Based Fitness Function	Khalid A. Darabkh and Muna AlAkhras (The University of Jordan, Jordan)
12.15 PM -12.30 PM	1571074411	Smart Fine Management System for Detecting and Predicting Traffic Violations in Sri Lanka	Rathnayakalage Prabodha Madushan Rathnayaka (Sri Lanka Institute of information Technology - SLIIT); Narmada Gamage (Sri Lanka Institute of Information Technology, Sri Lanka); Dasuni P Nawinna (Sri Lanka Institute of Information Technology - SLIIT & Curtin University, Sri Lanka); Methmal De Silva (Sri Lanka Institute of Information Technology - SLIIT, Sri Lanka); Pulasthi Chandula Nanayakkara (Sri Lanka Institute of Information Technology, Sri Lanka); Withana D.M (Sri Lanka Institute of Information Technology - SLIIT, Sri Lanka)
12:30 PM – 12.45 PM	1571075606	SortingBot: Leveraging Large Language Models and 3D Vision for Multi-Category Material Sorting	Wang Haiping and Li Yaning (China Academy of Information and Communications Technology, China)
12:45 PM – 1.00 PM	1571076787	AI-Driven Neuroadaptive Authentication: A New Frontier in Accessibility for Users with Disabilities	Surabhi Anand (USA)
1:00 PM – 1.15 PM	1571075903	A Survey on AI-Driven Software Testing in Healthcare: Enhancing Outcomes for Elderly Patients	Vaibhavi Tiwari (Montclair State University, USA); Vikram Singh (Oak Street Health, USA)

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SESSION 12: MOBILE COMPUTING, TELECOMMUNICATION SYSTEM [VIRTUAL SESSION]**SESSION CHAIR: A. F. M. SHAHEN SHAH (YILDIZ TECHNICAL UNIVERSITY, TURKEY)****SESSION TIME: 11.30 AM-1.00 PM (DAY 3: 26th OCT 2024)****PARTICIPATION LINK: [CLICK HERE](#)**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11.30 AM – 11.45 AM	1571073405	Digital Detriment: Smartphone Societal Syndrome	Robert Dilworth and Charan Gudla (Mississippi State University, USA)
11.45 AM -12.00 PM	1571075865	Performances Enhancement of Patch Antenna Using Split Ring Resonator for 5G Communication Systems	Abderraoufe Zerrouk (LCDEP Lab, FEE, USTHB, Algeria); Mohamed Lamine Tounsi (LCDEP Laboratory, Faculty of Electrical Engineering, USTHB, Algiers, Algeria.); Mustapha C.E. Yagoub (University of Ottawa, Canada)
12.00 PM – 12.15 PM	1571075936	Power Transmission From Friis Equation and Machine Learning	Huber Nieto-Chaupis (Universidad Autónoma del Perú, Peru)
12.15 PM -12.30 PM	1571077582	Integration of Modular Workability and Weight Measurement Units in Non-Tilting Drum Mixers	Albert J Valenzuela Inga, Jesus Angel Huamán Chavez, Rubí Del Pilar Valenzuela Isuiza, Heydi K Hinojosa Maravi and Benjamin De La Cruz Taipe (Universidad Continental, Peru); Boris Senin Carhuallanqui Parian (HSE University, Russia)
12:30 PM – 12.45 PM	1571076112	Probabilistic Inflation Modeled by Quantum Mechanics Formalism	Huber Nieto-Chaupis (Universidad Autónoma del Perú, Peru)

1:15 PM- 2:15 PM**LUNCH BREAK****VALEDICTORY
SESSION****2:15 PM – 3:15 PM****All the timings are given in Pacific Daylight Time (GMT+7)**