



ISBCom26

3rd International Conference on
**Intelligent Systems,
Blockchain, and Communication
Technologies (ISBCom26)**

CONFERENCE PROGRAM



May 02–03, 2026



Central Michigan University
Mount Pleasant, Michigan, USA

Venue: Courtyard Mt. Pleasant at Central Michigan University



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Welcome from General Chairs

We extend a warm welcome to all our esteemed guests, authors, faculty members, and participants joining us for the 3rd International Conference on Intelligent Systems, Blockchain, and Communication Technologies (ISBCom26). Following the successful first and second editions held in Egypt in 2024 and 2025, we are delighted to bring this vibrant academic gathering to the United States for its 2026 edition, continuing our commitment to fostering global collaboration in a country renowned for its innovation, academic excellence, and diverse cultural landscape. ISBCom26 promises to be a dynamic platform for insightful discussions, meaningful collaborations, and the exchange of innovative ideas across the fields of intelligent systems, blockchain, and communication technologies. We wish all participants a successful and engaging conference experience filled with fruitful interactions and impactful dialogue.

Best Regards,

Ahmed Abdelgawad, PhD

Alaa Ali Hameed, PhD

Host

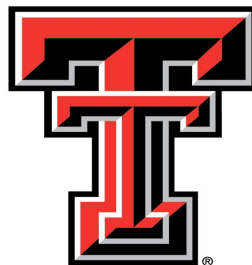


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Program Summary

All timings follow Eastern Time - Detroit (GMT-04:00)

Venue: Courtyard Mt. Pleasant at Central Michigan University

Saturday, May 2, 2026 Day-1

TIME: 08:20 - 08:30

Conference Opening Location: Gamma Room

Dr. Ahmed Abdelgawad
Central Michigan University, USA

TIME: 08:30 - 09:00

Keynote Session Location: Gamma Room

Dr. Nelly Elsayed
School of Information Technology, University of Cincinnati, USA

TIME: 09:00 - 09:30

Coffee Break Location: Gamma Room

TIME: 09:30 - 11:30

Technical Session - 1 Location: Gamma Room

Session Chairs: Dr. Md Rafiul Kabir

TIME: 11:30 - 13:00

Lunch Break Location: Gamma Room

TIME: 13:00 - 15:30

Technical Session - 2 Location: Gamma Room

Session Chairs: Dr. Zag ElSayed

Sunday, May 3, 2026 Day-2

TIME: 09:00 - 09:30

Keynote Session Location: Virtual Room -1

Dr. Junaid Shuja
Southeast Missouri State University, Missouri, USA

TIME: 09:30 - 10:00

Keynote Session Location: Virtual Room -1

Dr. Hassan Jamil Syed
Asia Pacific University of Technology & Innovation (APU), Kuala Lumpur, Malaysia

TIME: 10:00 - 12:00

Technical Session - 3

Location: Virtual Room -1
Session Chairs: Dr. Junaid Shuja

Technical Session - 4

Location: Virtual Room - 2
Session Chairs: Dr. Waleed M.Ead

Technical Session - 5

Location: Virtual Room - 3
Session Chairs: Abdelmuttlib
Ibrahim Abdalla Ahmed

TIME: 12:00 - 14:00

Technical Session - 6

Location: Virtual Room -1
Session Chairs: Dr. Waleed M.Ead

Technical Session - 7

Location: Virtual Room - 2
Session Chairs: Dr. Ihsan Ali

Technical Session - 8

Location: Virtual Room - 3
Session Chairs: Dr. Zag ElSayed

TIME: 14:00 - 16:15

Technical Session - 9

Location: Virtual Room -1
Session Chairs: Dr. Mahmoud Darwich

Technical Session - 10

Location: Virtual Room - 2
Session Chairs: Dr. Kasem Khalil

Full Program

All timings follow Eastern Time - Detroit (GMT-04:00)

Venue: Courtyard Mt. Pleasant at Central Michigan University

Saturday, May 2, 2026 Day-1

Conference Opening **In Person** Time: 08:20 - 08:30. Location: Gamma Room



Dr. Ahmed Abdelgawad
Central Michigan University, USA

Mode: In Person

Keynote Session **In Person** Time: 08:30 - 09:00. Location: Gamma Room



Dr. Nelly Elsayed
School of Information Technology, University of Cincinnati, USA

Talk: AI or Not AI in Clinical Settings: Trust, Risk, and Accountability in AI-Driven Medical Documentation

Abstract: AI-driven speech-to-text systems are increasingly used in clinical settings to reduce documentation burden and improve workflow efficiency. However, their rapid adoption has outpaced the evaluation of real-world risks related to reliability, transparency, privacy, and accountability. This keynote presents a socio-technical perspective on clinical AI systems, emphasizing that performance cannot be separated from human workflows, organizational practices, and regulatory contexts. It introduces a layered framework for understanding risk propagation across technical, human, and governance dimensions, and highlights the emerging "trust gap" between perceived and actual system reliability. The talk concludes with practical recommendations and a research agenda for designing trustworthy AI systems in high-stakes domains.

Biography:

Dr. Nelly Elsayed is an Associate Professor at the School of Information Technology, University of Cincinnati. She is the founder and leader of the Applied Machine Learning and Intelligence (AMLI) Lab. Her research focuses on Applied AI and Machine Learning, Explainable and Trustworthy AI in Healthcare and Clinical Informatics, Cybersecurity Analytics, and Smart Technologies. She received B.S. and M.S. degrees in Computer Science from Alexandria University and her M.S. and Ph.D. from the University of Louisiana at Lafayette. She is an active IEEE Senior Member. She has served as a principal and co-principal investigator in different federal, educational, and industrial-level funded research projects. She received the Faculty Incentive Award for Research and Scholarship from the CECH, UC, in 2021, 2025, and 2026. She received the Love of Learning Award from the Honor Society Phi Kappa Phi in 2019, 2021, 2023, and 2025, as well as the Golden Apple Award for Excellence in Teaching (Graduate Level), CECH, and the UCAADA Sarah Grant Barber Outstanding Advising Faculty Award from the University of Cincinnati. She has been an Ambassador for Goodwill of Lafayette, Louisiana, since 2017. Dr. Elsayed has been nominated for the Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM), the most prestigious mentoring award in the Nation.

Mode: In Person

Coffee Break **In Person** Time: 09:00 - 09:30. Location: Gamma Room

Technical Session - 1 **In Person** Time: 09:30 - 11:30. Location: Gamma Room

Mode: In Person

Session Chairs: Dr. Md Rafiul Kabir

Paper ID: 103
09:30 Human Ingenuity and Machine Intelligence: Comparing LLM and Student Solutions in Dynamic
09:45 Programming
WAJID, MOHD ANAS; Zúñiga, Claudia Camacho; Pirzado, Farman Ali; Wajid, Mohammad Saif
Presentation: In Person

Paper ID: 109
09:45 TESSA: A Teacher's Email Support & Smart Assistant Based on GPT-5.2
10:00
Maillard, Stephane; Khan, Mohammad Safayet; Garimella, Bhuvana
Presentation: In Person

Paper ID: 118
10:00 USTS-75K: A Benchmark U.S. Traffic Sign Dataset for Robust Classification
10:15
Chatterjee, Prosenjit; Zaman, ANK
Presentation: In Person

Paper ID: 124
10:15 Scaling Autonomy, Scaling Risk: A Security Taxonomy for Agentic AI Systems in Healthcare
10:30
Akinnusi, Samuel; ElSayed, Zag
Presentation: In Person

Paper ID: 125
10:30 Emergency Aware Deep Reinforcement Learning for Priority-Driven RF Energy Harvesting
10:45 Scheduling in Underground Sensor Networks
Anabi, Hilary; Frimpong, Samuel; Raza, Muhammad Azeem
Presentation: In Person

Paper ID: 139
10:45 Graph-Theoretic Priority Inference and Scheduling for V2V Messaging Under Bandwidth Contention
11:00
Chatterjee, Prosenjit; Zaman, ANK
Presentation: In Person

Paper ID: 152
11:00 Beyond the Black Box: Explainable AI for Alzheimer's Disease Progression Detection
11:15
Abey Siriwardana, Chamudi; El-Sappagh, Shaker ; Hendawi, Abdeltawab
Presentation: In Person

Lunch Break **In Person** **Time: 11:30 - 13:00. Location: Gamma Room**

Technical Session - 2 **In Person** **Time: 13:00 - 15:30. Location: Gamma Room**

Mode: In Person

Session Chairs: Dr. Zag ElSayed

Paper ID: 158
13:00 Data-Driven Decision-Making Approach to Developing Sustainable and Fair Proof-of-Useful-Work
13:15 Blockchain Consensus Protocol
Jojic, Rados; Natar, Natalija; Ostojic, Dragutin; Todorovic, Milan; Davidovic, Tatjana; Oh, Sang-Yong; Ramljak, Dusan
Presentation: In Person

Paper ID: 160
13:15 LLMs for Cardiovascular Risk Prediction from Structured Clinical Data
13:30
Maliha, Jeba; Kabir, Md Rafiul
Presentation: In Person

13:30 13:45	<p>Paper ID: 161</p> <p>Vision-Based Lane Following and Traffic Sign Recognition for Resource-Constrained Autonomous Vehicles</p> <p>Tanjemul Islam, Md; Kabir, Md Rafiul</p> <p>Presentation: In Person</p>
13:45 14:00	<p>Paper ID: 165</p> <p>A Comparative Analysis of Cyber-Physical Security and Privacy Challenges in Virtual and Robotic Assistive Technologies</p> <p>Elsayed, Nelly</p> <p>Presentation: In Person</p>
14:00 14:15	<p>Paper ID: 23</p> <p>Agentic AI Systems in Healthcare: A Scoping Review of Architectures, Clinical Applications, and Data Modalities</p> <p>Akinnusi, Samuel; ElSayed, Zag; Abdelgawad, Ahmed</p> <p>Presentation: In Person</p>

Sunday, May 3, 2026 Day-2

Keynote Session Online **Time: 09:00 - 09:30. Location: Virtual Room -1**

[Join Session](#)



Dr. Junaid Shuja

Southeast Missouri State University, Missouri, USA

Talk: AI-Augmented Peer Review: Detecting AI-Generated and Pal-Reviews for Ensuring Scholarly Integrity

Abstract: Peer review can be more efficient when using artificial intelligence (AI) and large language models (LLMs). However, there are also issues with academic integrity and authenticity. This study investigates the dual role of AI in peer review: as a tool for enhancing evaluation quality and as a potential source of superficial, AI-generated feedback that undermines scholarly standards. Pal-reviews, providing generic comments with no critical feedback, are another pressing subject in scientific publications. This talk explores the role of language models in automatically auditing and categorizing genuine reviews, AI generated reviews, and pal-reviews. The publisher policies are investigated alongwith available datasets. Initial findings are discussed following a methodology that involves combining paper titles, abstracts, and review text with special tokens, employing robust text encoding techniques. Five language models are investigated for accuracy while research challenges are presented for future directions.

Biography:

Dr. Junaid Shuja is currently serving as an Assistant Professor at Southeast Missouri State University, Missouri, USA. He has previously held academic and research positions at several esteemed institutions, including Universiti Teknologi PETRONAS, Malaysia; the National University of Computer and Emerging Sciences (FAST-NUCES), and COMSATS University, Pakistan. Additionally, Dr. Shuja has contributed as an adjunct lecturer at UCSI University, Malaysia. Dr. Shuja earned his Ph.D. in 2017 from the University of Malaya, Malaysia, under the prestigious BrightSpark scholarship. His doctoral research focused on the execution and offloading of SIMD (Single Instruction, Multiple Data) instructions across heterogeneous mobile and cloud platforms, for which he was honored with the "Graduate on Time" award for his timely completion. His research interests are diverse, encompassing the application of machine learning techniques in edge computing, the advancement of Large Language Models (LLMs) for low-resource languages, and the exploration of Blockchain technologies. His research is highly cited and he has been listed in the top 2% researchers by the Stanford report in 2022, 2023, 2024, and 2025. Dr. Shuja has published over 80 research articles in leading international journals and conferences. He currently serves as an Associate Editor for Telecommunication Systems, Cluster Computing, and Discover Computing. His research proposal have been funded by Higher Education Commission Pakistan and Ministry of health Saudi Arabia.

Mode: Online

Keynote Session Online **Time: 09:30 - 10:00. Location: Virtual Room -1**



Dr. Hassan Jamil Syed

Asia Pacific University of Technology & Innovation (APU), Kuala Lumpur, Malaysia

Biography:

Dr. Hassan Jamil Syed is a Senior Lecturer at the School of Computing, Asia Pacific University of Technology & Innovation (APU), Kuala Lumpur, Malaysia. He holds a Ph.D. in Computer Science, an M.S. in Telecommunications, and a B.E. in Electrical Engineering, with over 20 years of combined academic, research, and industry experience, including work with an Internet Service Provider (ISP).

His research focuses on cloud computing, cybersecurity, system observability, and AI-driven kernel-level security, particularly through eBPF-based intelligent monitoring in cloud-native environments. He has published widely in high-impact journals such as IEEE Access, Sensors, and Applied Sciences, and serves as a reviewer for several IEEE and Elsevier journals.

Mode: Online

Technical Session - 3 Online Time: 10:00 - 12:00. Location: Virtual Room -1

Mode: Online

Session Chairs: Dr. Junaid Shuja

10:00	<p>Paper ID: 119</p> <p>Analysis of Federated Image-Based Plant Disease Detection: Evaluating Centralized Model Selection for Distributed Learning</p>
10:15	<p>Stokes, Ticauris ; Abdelfattah, Rabab ; Sherif, Ahmed; Elsersy, Mohamed ; Sengupta, Partha ; Leonhardt, Tim ; Benozir Hossain, Md</p> <p>Presentation: Online</p>
10:15	<p>Paper ID: 121</p> <p>Multimodal AI for Engagement Prediction: Psychological and Digital Well-Being Perspective</p>
10:30	<p>Alqhtani, Budoor; Alqaissi, Eman; Algarni, Ali</p> <p>Presentation: Online</p>
10:30	<p>Paper ID: 123</p> <p>Agentic AI and Blockchain Integration in Supply Chain Management: A Survey</p>
10:45	<p>Alhamid, Esraa; Mokhamed, Takua; Abu Talib, Manar; Masmoudi, Malek ; Nasir, Qassim</p> <p>Presentation: Online</p>
10:45	<p>Paper ID: 104</p> <p>FMRP-LEAN: A HIPAA-Compliant AI-Augmented LIMS Architecture for End-to-End Clinical Assay Workflow Optimization</p>
11:00	<p>McCord, Eva; Pedapati, Ernie; ElSayed, Zag</p> <p>Presentation: Online</p>
11:00	<p>Paper ID: 105</p> <p>Multi-Horizon PM2.5 Forecasting in Ulaanbaatar Using Extremely Randomized Trees</p>
11:15	<p>Ganchimeg, Ganbold ; Usukhbayar, Munkhzaya</p> <p>Presentation: Online</p>
11:15	<p>Paper ID: 126</p> <p>Attention-Enhanced Hybrid CNN-LSTM Model for Real-Time Elderly Fall Detection in Smart Healthcare Systems</p>
11:30	<p>Radhakrishnan, Jayabhaduri; R, Shekhar</p> <p>Presentation: Online</p>

Paper ID: 127
11:30 Intent-to-VyOS: Benchmarking Domain-Adaptive Instruction Tuning for EVPN/VXLAN Configuration
11:45 Synthesis
Nguyen, Ngoc Huyen; Pham, Duc Dat; Huynh, Kha Tu; Le, Tan Duy; Viet Tuyen, Nguyen Tan
Presentation: Online

Paper ID: 128
11:45 Structural and optical characterization of CoO-Ag2O composite using the PLD method
12:00
Batosh, khamail, Khalid H. Rzayg
Presentation: Online

Technical Session - 4 **Online** **Time: 10:00 - 12:00. Location: Virtual Room - 2**

[Join Session](#)

Mode: Online

Session Chairs: Dr. Waleed M.Ead

Paper ID: 131
10:00 Learning to Linearize: Adaptive Kernel Design for Efficient Vision Transformers via Attention
10:15 Distillation
Sleem, Ahmed; ead, waleed
Presentation: Online

Paper ID: 132
10:15 Adaptive Attention Distillation: Bridging Standard and Linear Transformers via Learned Kernels
10:30 and Landmarks
Sleem, Ahmed; ead, waleed
Presentation: Online

Paper ID: 133
10:30 Culturally Anchored Education: AI-Driven SMS/USSD Platforms for Multilingual STEM Access in
10:45 Low-Resource African Communities
Nwodo, Nenne; Enyinna, Chinwendu; Osuorah, Josemaria
Presentation: Online

Paper ID: 137
10:45 Explainable Adaptive Intrusion Detection in the Internet of Vehicles: A Systematic Review of
11:00 Evolutionary and Ensemble Learning
Soad, MANAL
Presentation: Online

Paper ID: 138
11:00 Comparative Analysis of Behavioral and Count-Based Approaches for Insider Threat Detection
11:15 Using CERT Dataset
Manhal Mohamad Basher
Presentation: Online

Paper ID: 106
11:15 A Framework for Detection and Reduction of Hallucinations in Large Language Models
11:30
Dar, Fawaz Ahmed; Zaveri, Ayesha Anees
Presentation: Online

Paper ID: 140
11:30 A Joint Variational Autoencoder and Cox Hazard Network for Mortality Prediction in Hepatitis
11:45 Patients with Incomplete Clinical Records
Ramteke, Gunjan
Presentation: Online

Paper ID: 141
11:45 Evolutionary Structural Optimization of Rotation Forest for Explainable and Robust Intrusion
12:00 Detection in Internet of Vehicles
Soad, MANAL
Presentation: Online

Technical Session - 5 [Online](#) **Time: 10:00 - 12:00. Location: Virtual Room - 3**

[Join Session](#)

Mode: Online

Session Chairs: Abdelmutilib Ibrahim Abdalla Ahmed

Paper ID: 143
10:00 Energy Economics and Security of Blockchain Mining: A U.S. Case Study
10:15 Le, Giang; Nguyen, Sam
Presentation: Online

Paper ID: 144
10:15 A Comparative Study of Seq2Seq Formulations for Vietnamese QAG on UIT-ViQuAD2.0
10:30 Tran Anh, Trac Viet; Pham, Duc Dat; Le, Tan Duy; Huynh, Kha Tu
Presentation: Online

Paper ID: 150
10:30 Dynamic Path Planning for Electric Vehicles: A Comprehensive Survey and Taxonomy
10:45 Chaudhary, Zain; Ahmed, Ammar; Ahmed, Abdullah; Shaikh, Muhammad Abdullah; Sherif, Ahmed; Abdelfattah, Rabab ; Elersy, Mohamed
Presentation: Online

Paper ID: 107
10:45 Edge AI Architecture for Real-Time Financial Decision Support in Mobile FinTech Applications
11:00 Guduri, Manisha; Cherukuri, Rama Krishna ; Chennupati, Narendra; Gummadi , Hari Suresh Babu ; Dasari, Nagaraju ; Bhimavarapu, Anil Reddy
Presentation: Online

Paper ID: 153
11:00 Wound Vision: An AI-Based System for Wound Segmentation and Healing Time Prediction
11:15 Zaman, ANK; Islam, Shariful, Rudri Jardosh; Maitri Patel; Fenil Patel; Perin Patel
Presentation: Online

Paper ID: 101
11:15 The Traffic Toxicity Web: Decoding the Synergistic Asthma Threat of Exhaust and Mechanical
11:30 Pollution
Zaky, Abdullah; Gomaa, Yousef ; Dawod, Yoeel; Ali, Zain; Elgamal, Ayman; Elashry, Salma; Ead, Waleed
Presentation: Online

Paper ID: 159
Augmented Reality in Tertiary Education: Examining the Roles of Technological Knowledge and Institutional Support in Enhancing Student Performance
11:30
11:45
Sayem, S.M.
Presentation: Online

Paper ID: 110
Building a Tool for Detecting Leaf Diseases in Plants Using Weak Supervision and Deep Learning: A Review
11:45
12:00
Hasan , Basma
Presentation: Online

Technical Session - 6 **Online** **Time: 12:00 - 14:00. Location: Virtual Room -1**

[Join Session](#)

Mode: Online

Session Chairs: Dr. Waleed M.Ead

Paper ID: 112
Artificial Intelligence Framework for Honey-pot-Based Cyberattack Detection
12:00
12:15
Sharma, Priynka; Chaudhary, Kaylash ; Sharma, Bibhya
Presentation: Online

Paper ID: 182
TL-MU-Net: Patient-Level Machine Unlearning for Trustworthy Breast Cancer Image Classification
12:15
12:30
Atiq, Azka; Raza, Aamir; Saeed, Muhammad Atif; Jamil, Akhtar; Soleimani, Faezeh
Presentation: Online

Paper ID: 183
NeuroBridgeNet: A Noise-Aware Hybrid Fusion Model for Robust Cognitive Disorder Diagnosis
12:30
12:45
Irfan, Farwa; Ahmad, Annash; Kumar, Vinod; Saeed, Muhammad Atif; Jamil, Akhtar; Hameed, Alaa Ali

Paper ID: 113
Deep Learning and Traditional Classifiers for Fault Diagnosis in Predictive Maintenance: A Business Intelligence Approach
12:45
13:00
Rivas , Melvin ; Acevedo-Duque, Angel; Ordonez , Jose Luis
Presentation: Online

Paper ID: 167
Interpretable Machine Learning Framework for Alzheimer's Disease Prediction Using SHAP-Enhanced Voting Ensemble
13:00
13:15
Shrida, Noor Al-huda ; Gharghan, Sadik; Qahtan, Sarah
Presentation: Online

Paper ID: 114
FireLiteNet: A Lightweight and Explainable AI Framework for Accurate Wildfire Detection from Satellite Imagery
13:15
13:30
Das, Sourav; Bappy, Mehedi Hassan; Ahmed, Md. Adnan; Ananto, Md. Hasnatul Islam; Rahman, Mohammad Ashiqur; Sarwar, Md. Tausif
Presentation: Online

Paper ID: 115

13:30 **Benchmarking YOLOv5 to YOLOv11: Finding the Optimal Balance for Industrial Fabric Defect Detection**

13:45 Das, Sourav; Bappy, Mehedi Hassan; Binty, Zafrin Akther; Rahaman, Md. Atikur; Rahman, Tanjinur; Hasan, Md. Eyamin

Presentation: Online

Paper ID: 178

13:45 **AI-Driven Digital Transformation in Palestinian Banking Services: Evidence from FinTech Adoption**

14:00 Ashqar, Rashed Isam; Badrasawy, Ibtihal; Mallah, Huda; Yahya, Alaa; Salhi, Ahmed

Presentation: Online

Technical Session - 7 **Online** **Time: 12:00 - 14:00. Location: Virtual Room - 2**

[Join Session](#)

Mode: Online

Session Chairs: Dr. Ihsan Ali

Paper ID: 22

12:00 **Deep Learning CNN and Recurrence Analysis for Alpha-Gamma EEG Biomarkers in Fragile X Syndrome**

12:15 ElSayed, Zag; Siekierski, Payton; Liu, Jack Yanchen; Pedapati, Ernest

Presentation: Online

Paper ID: 102

12:15 **Driver Drowsiness Detection System-based Head Tilt Using MPU6050 Accelerometer Sensor and Raspberry Pi**

12:30 fadhel, maryam; Gharghan, Sadik; Mahmood, Amal

Presentation: Online

Paper ID: 34

12:30 **An AI-Driven Screening Tool for Lung Cancer Prediction: Integrating Health Information Technology with Machine Learning for Clinical Decision Support**

12:45

Mousa, Ayad Hameed

Presentation: Online

Paper ID: 37

12:45 **Developing Intrusion Detection Models Based on Machine Learning for Resource-Constrained Environment: A Systematic Investigation**

13:00

Nasser Abdul Hussein, tabark

Presentation: Online

Paper ID: 39

13:00 **Enhancement of Dijkstra's algorithm to improve path planning for mobile robots**

13:15

Ali, Alyasin; Eyad, I. Abbas, ; Jabbar, K. Mohammed,

Presentation: Online

Paper ID: 45

13:15 **Post-Quantum Blockchain Security with Content-Based Intrusion Detection: A Hybrid Approach**

13:30

Hussien, Nadia; Gaata, Methaq ; Taher, Hazeem

Presentation: Online

Paper ID: 46
13:30 Spatio-Temporal Skeleton Modeling for Video Anomaly Detection
13:45 abdulameer, hiba; Al-juboori, Ali
Presentation: Online

Paper ID: 48
13:45 ChatGPT Should be Implemented in Engineering Education, but how? A Systematic Literature
14:00 Review
Soto-Díaz, Roosvel; Vásquez-Carbonell, Mauricio; García-Restrepo, Johanna-Karina; Escorcia-Gutierrez, Jose
Presentation: Online

Technical Session - 8 **Online** **Time: 12:00 - 14:00. Location: Virtual Room - 3**

[Join Session](#)

Mode: Online

Session Chairs: Dr. Zag ElSayed

Paper ID: 54
12:00 A Graph-Aware Intent Encoding for Robust Smishing Detection
12:15 Nguyen, Sam
Presentation: Online

Paper ID: 55
12:15 Comprehensive Review of Image Captioning Techniques Based on Deep Learning Approaches
12:30 Noor Ali Hussain matrood1 , Elham Mohammed Thabit A. Alsaadi2
Presentation: Online

Paper ID: 56
12:30 ALNR: Adaptive Learning-Rate Newton–Raphson Optimization for Accelerated Convergence in
12:45 Multivariate Data Analysis
Lal, Kumari Nidhi
Presentation: Online

Paper ID: 60
12:45 Deep Learning-Based Crack Detection and Segmentation in Civil Infrastructure: A Comprehensive
13:00 Review
JAWAD, HADEEL ; Younis, Muhanad ; JAWAD, HADEEL
Presentation: Online

Paper ID: 63
13:00 Machine Learning-Based Privacy Risk Detection and Prevention in Social Media: A Systematic
13:15 Review
ALSarraj, Mohammed; Shareef, Abdulwahhab ; Moammar, Mohammed
Presentation: Online

Paper ID: 69
13:15 Comparison study of the aircraft detection and classification in remote sensing images
13:30 Muhammad, Anfal
Presentation: Online

Paper ID: 71
13:30 Prediction Paths of Code Systems in FedOps Environment Based on Deep Learning Algorithms
13:45 Abdullah, Rana
Presentation: Online

Paper ID: 72
13:45 **Verifying the Facial Kinship Evidence to Assist Forensic Investigation based on Deep Neural**
14:00 **Networks:A review**
khalaf, ruaa
Presentation: Online

Technical Session - 9 **Online** **Time: 14:00 - 16:15. Location: Virtual Room -1**

[Join Session](#)

Mode: Online

Session Chairs: Dr. Mahmoud Darwich

Paper ID: 180
14:00 **Novel Classification of Authentication Schemes in Electric Vehicle Charging**
14:15 Chaudhary, Muhammad Zohaib; Ahmed, Hammad; Manzoor, Munteeq; Ahmad, Malik; Sherif, Ahmed; Elserly, Mohamed; Abdelfattah, Rabab

Paper ID: 78
14:15 **A Hybrid YOLO with Adaptive ROI Verification for Real-Time Threat Detection**
14:30 Alqaraleh, Saed; SEZG ?N, Ahmet; KANT?, Amani; ÇEV?K, Necdet
Presentation: Online

Paper ID: 79
14:30 **X-CARE: Deep learning model for predicting lung cancer from lung Histopathology images**
14:45 Alqaraleh, Saed; Ahmad, Baraa Alsyed ; Alhusein, Hasan
Presentation: Online

Paper ID: 80
14:45 **Enhancing Cardiovascular Diseases Diagnosis Using Multi-Case Grey Wolf Optimizer and Machine**
15:00 **Learning Techniques**
Saeed, Sally Zoher; Mohammed, Athraa Jasim
Presentation: Online

Paper ID: 84
15:00 **An Empirical Evaluation of Transactional Lakehouse Architectures for Financial Data: Unifying**
15:15 **Latency and Reproducibility**
Khazaei, Mehdi; Karami, Amin; Soofiyan, Salma
Presentation: Online

Paper ID: 89
15:15 **Beyond Detection: Policy-Driven Dynamic Deployment Gating for Smart Contracts**
15:30 Soofiyan, Salma; Karami, Amin
Presentation: Online

Paper ID: 90
15:30 **Multi-Agent Reinforcement Learning for Continuous Dynamic Pricing and Occupancy-Aware**
15:45 **Demand Response in Urban Microgrids**
Rokni Lamouki, Niko; Khavarinejad, Parsa; Soofiyan, Salma; Karami, Amin
Presentation: Online

Paper ID: 96
15:45 **Graph-Theoretic Transformer for Stochastic Travel Time Prediction in Mixed-Mobility Urban**
16:00 **Networks**
Thai Ky Trung Pham, Deshinta Arrova Dewi

16:00 **Paper ID: 116**
16:15 **Optimizing ETL Error Detection and Classification with Advanced Machine Learning Strategies**
Hussain, Nazar; khan, Muhammad Ahmad; khan, Maqbool

Technical Session - 10 [Online](#) Time: 14:00 - 16:15. Location: Virtual Room - 2

[Join Session](#)

Mode: Online

Session Chairs: Dr. Kasem Khalil

14:00 **Paper ID: 91**
14:15 **Intelligent Systems in Credit Risk: A Comparative Study of Model Complexity and Synthetic Oversampling**
Tasev, Nikola; Damásio, Bruno
Presentation: Online

14:15 **Paper ID: 92**
14:30 **A Comparative Study on No-Reference Image Quality Metrics for Low-Light Object Detection**
Al-refai, Ghaith; Almtireen, Natheer; Ryalat, Mutaz; Elmoaqet, Hisham
Presentation: Online

14:30 **Paper ID: 93**
14:45 **Enhancing Toxicity Detection in YouTube Comments via Emoji-Aware Roberta with Domain-Adaptive Pretraining**
chaseb, duaa
Presentation: Online

14:45 **Paper ID: 94**
15:00 **Digital Transformation in Healthcare Data Management: An Intelligent Governance Architecture for Strategic Decision-Making**
Romagnano, Maria; Larrea, Claudio
Presentation: Online

15:00 **Paper ID: 95**
15:15 **An Adaptive Patch-Level Fusion Transformer for Intelligent PET/CT-Based Cancer Classification**
Khalifa, Fahmi
Presentation: Online

15:15 **Paper ID: 100**
15:30 **A Drift-Adaptive Hybrid Online Streaming Intrusion Detection Scenario for Electric Vehicle Charging Systems**
X Samuel Roy; Venkatesh K
Presentation: Online

15:30 **Paper ID: 176**
15:45 **Multi-Agent Reinforcement Learning for Spectrum Sharing and Resource Allocation in V2X: A Comparative Study**
Niloy, Samiul Islam; Ritul, Rifatul Hassan; Khan, Md Rahat Kader; Khalil, Kasem

15:45 **Paper ID: 177**
16:00 **A Fully Pipelined Streaming PCA Accelerator for Real-Time Edge Machine Learning**
Khalil, Kasem; Mohaidat, Tamador; Kumar, Ashok; Bayoumi, Magdy