

Oral Presentation Session-Offline: Afternoon <i>Session Chair: En. Amirul</i>	
14:00-14:10	Elham Faraji, The University of Auckland, New Zealand Speech Title: Group-Aware Validation and Capacity Matching for Reliable Machine Learning on Small, Clustered Datasets
14:10-14:20	Benil T, Vellore Institute of Technology, Chennai, India Speech Title: CerviXAI-Net: Hybrid Attention and Morphological Feature Fusion for Reliable Cervical Lesion Classification
14:20-14:30	Tripti Sharma, University of Technology and Applied Sciences, Sultanate of Oman Speech Title: From Clinical Checklists to Intelligent Decision Support: Machine Learning for Developmental Level Prediction Using Denver Occupational Assessments
14:30-14:40	Faisal Mohd Amin, Universiti Tenaga Nasional (UNITEN), Malaysia Speech Title: An Ontology-Driven Conceptual Framework for an Explainable Predictive Maintenance of Solar PV Nanogrids
14:40-14:50	Priyanath Das, National Institute of Technology Agartala, India Speech Title: Optimised Dynamic Energy Allocation and Peer-to-Peer Trading in IoT-Enabled Smart Microgrids
14:50-15:00	Suyel Namasudra, National Institute of Technology Agartala, India Speech Title: Blockchain-Assisted Secure and Reliable Remote Patient Monitoring Framework for Smart Healthcare
15:00-15:10	Mamadou Jean Baptiste Niassy, Universite Numerique Cheikh Hamidou Kane, Senegal Speech Title: Improving Lane-Keeping Generalization with Symmetry-Driven Reinforcement Learning
15:10-15:20	Dailing Jiang, Hong Kong Baptist University, Hong Kong, China Speech Title: AI-driven Spatial Simulation for Identifying Urban Inequality in Public Service Access
15:20-15:30	Ria Siti Juairiah, Universitas Gadjah Mada, Indonesia Speech Title: Analyzing the Popularity–Personalization Trade-off in a Hybrid SVD++–DecayPop Recommendation System: Accuracy, Catalogue Coverage, and User Segment Sensitivity
15:30-15:40	Kiran Kumar Sahu, O.P. Jindal University, India Speech Title: SemSelect: Training-Free Semantic-Margin Selection for Blur-Robust Zero-Shot Image Classification
15:40-15:50	Thai Nguyen Vo Thong, FPT University, Vietnam Speech Title: Designing for Model Fallibility: A Bounded-Autonomy Architecture for Locally Hosted LLM Alert Triage
15:50-16:00	Poonam Syal, National Institute of Technical Teachers Training and Research, India Speech Title: Variable Step L2 Norm Lorentzian Adaptive Control for Improving Power Quality of Grid-Connected PV System

16:00-16:30	Certificate Ceremony
16:30-16:40	Coffee Break
Oral Presentation Session-Online Online Venue: ZOOM ID: 820 2997 8014 Password: 20260929	
14:00-14:10	Muralidharan Lakshmanan, Independent Researcher, USA Speech Title: Multi-Agent Orchestration for Agentic Commerce: Coordinating Shopping, Payment, Rewards, and Fraud Agents in Real-Time Financial Transactions
14:10-14:20	George Zacharia, Independent Researcher, USA Speech Title: FedShield-X: An Adaptive Federated Threat Intelligence Framework for Privacy-Preserving Cloud Cyberattack Detection and Collaborative Security Learning
14:20-14:30	Walida Sardari, Universiti Teknologi Malaysia (UTM), Malaysia Speech Title: A Data-Driven Smart Learning Infrastructure Framework for Public Universities in Afghanistan: Assessment, Challenges, and Opportunities
14:30-14:40	Dexter James Cuaresma, Adamson University, Philippines Speech Title: IoT-Based Monitoring System for Environmental Data Collection in Adamson University Buildings
14:40-14:50	Dexter James Cuaresma, Adamson University, Philippines Speech Title: An On-Node Indoor Environmental Monitoring System with Integrated Validity Checking and Machine Learning Inference
14:50-15:00	Yutong Li, Xiamen University Malaysia, Malaysia Speech Title: A Non-Intrusive Edge Security Proxy for MQTT Data Integrity in AI-Driven Industrial Vibration Monitoring
15:00-15:10	Zulkurnain Hassan, Universiti Kebangsaan Malaysia, Malaysia Speech Title: Artificial Intelligence, IoT, and Big Data in Digital Water Management: A Systematic Literature Review of the Digital Transformation of Water Systems
15:10-15:20	Tri Yuliati, Universiti Utara Malaysia, Malaysia Speech Title: Adaptive Symbolic Aggregate Approximation for Tide Time Series Representation
15:20-15:30	Ari Sellyana, Universiti Utara Malaysia, Malaysia Speech Title: Bee for Mining (B4M) for Rule-Based Classification: Baseline Implementation and Experimental Evaluation
15:30-15:40	Waad Alzahrani, King Abdulaziz University Jeddah, Saudi Arabia Speech Title: Knowledge Graph-Augmented Language Model Framework for Stroke Diagnosis Support
15:40-15:50	Mahsa Mohammadi Eshkaftaki, University of Exeter, UK Speech Title: Reliable Weak Supervision with Target-Mass Allocation for Multi-Positive Persian Dense Retrieval
15:50-16:00	Kaisarbeg Mirza, Datta Meghe Institute of Higher Education And Research Wardha, India Speech Title: Geospatial AI Meets Vision Foundation Models: Advancing Precision Agriculture in the Face of Climate Change
16:00-16:10	Choon-Ching Ng, Raffles University, Malaysia Speech Title: Contrastive vs. Supervised Learning for Facial Emotion Recognition on FER2013+
16:10-16:20	Said Al Talaii, University Technology Malaysia, Malaysia Speech Title: Trust-aware cloud service selection under security and QoS disruption: a controlled cross-sector study
16:20-16:40	Hong Teck Ong, University Technology Malaysia, Malaysia Speech Title: Experimental Evaluation of CG-WHE for SIEM Alert Triage
September 30, 2026 (Wednesday) - Return Trip	



CAIS 2026 • CCPCDL 2026 • ISPDS 2026

**2026 International Conference on
Artificial Intelligence and Simulation**

**2026 5th International Conference on
Cloud Computing, Performance Computing
and Deep Learning**

**2026 7th International Conference on
Information Science, Parallel and
Distributed Systems**



Hosted by: Institute of Visual Informatics, Universiti Kebangsaan Malaysia (UKM)
Faculty of Computing, Universiti Teknologi Malaysia (UTM)



» About CAIS 2026 «

CAIS 2026 aims to bring together leading researchers, engineers, and industry experts in artificial intelligence and simulation to foster collaboration and innovation. The conference will serve as a premier forum for sharing cutting-edge advancements, discussing emerging challenges, and promoting the exchange of scientific knowledge across academia and industry. The event will feature keynote speeches, technical sessions, and interactive discussions, ensuring a rich exchange of ideas to shape the future of the field.

We look forward to welcoming you to Malaysia for an inspiring and productive conference experience. Join us at CAIS 2026 to contribute to the next wave of AI and simulation breakthroughs!

» Organization «

Hosted By: Institute of Visual Informatics, Universiti Kebangsaan Malaysia (UKM)
Faculty of Computing, Universiti Teknologi Malaysia (UTM)



» Conference Venue «

Registration Site (Sept. 28-29): Front Door, Institute Visual of Informatics, UKM

Conference Venue (Sept. 29): Seminar Room AST 3, Level 3, Academia Cyber Technopolis, Institute Visual of Informatics, UKM, 43600 Bangi

Address: Institut Informatik Visual (IVI), Aras 1, Akademia Siber Technopolis, UKM, 43600 Bangi, Selangor, Malaysia



For more details of how to get to the venue, please scan the QR code.

» Opening Speaker «



YBhg. Prof. Dr. Riza Sulaiman, Institute of Visual Informatic, Universiti Kebangsaan Malaysia, Malaysia

Biography: Riza Sulaiman (Member, IEEE) is currently a Professor in visualization with the Institute of Visual Informatics, Universiti Kebangsaan Malaysia, Malaysia, where he is also the Director. His research interests include CAD/CAM, visualization, robotics, graphics, image recognition, and image processing in smart farming, education, and medical imaging.

» Keynote Speakers «



Prof. Rezzy Eko Caraka, National Research and Innovation Agency (BRIN), Indonesia / Chaoyang University of Technology, Taiwan, China

Biography: Rezzy Eko Caraka (Senior IEEE Member) is a researcher at the Research Center for Data and Information Sciences, National Research and Innovation Agency (BRIN), Indonesia, and a Professor at the Department of Information Management, Chaoyang University of Technology (CYUT), Taiwan. He currently serves as Expert Staff to the President of Indonesia on the Research Advisory Team and Expert Staff at LLDIKTI, providing strategic guidance for higher education and national research policy.



Mr. Saurabh Kakkar, Santander Bank –Dallas, USA

Biography: Dr. Saurabh Kakkar brings over 15 years of experience in risk management, regulatory compliance, and AI-driven transformation within global banking institutions, combining deep industry expertise with research-oriented insights. Currently, Dr. Kakkar serves as Director and Program Manager at Santander Bank, where he leads the Basel Data Repository program and drives enterprise-scale regulatory reporting aligned with Basel III, CRR, IFRS 9, and EBA frameworks.



Dr. Ely Salwana, Universiti Kebangsaan Malaysia, Malaysia

Biography: Dr Ely Salwana is a Research Fellow in the Institute of Visual Informatics, Universiti Kebangsaan Malaysia (UKM, Bangi), Malaysia. Her primary research area include information work, data analytics, data mining, knowledge organization and participatory information practices. The contexts of her research range from; public organization, education, virtual worlds and corporate.

» Conference Program «

September 28, 2026 (Monday)

Registration: Front Door, Institute Visual of Informatics, UKM

14:30-17:30	Registration
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September 29, 2026 (Tuesday)

On-Site Venue: Seminar Room AST 3, Level 3, Academia Cyber Technopolis, IVI, UKM

Online Venue: ZOOM ID: 820 2997 8014 Password: 20260929

08:00-09:00	Registration
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Morning Session

Session Chair & Emcee: Ma Jin

Opening Remarks

09:00-09:10	YBhg. Prof. Dr. Riza Sulaiman, Institute of Visual Informatic, UKM
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09:10-09:15	Group Photo
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09:15-09:35	Coffee Break
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Keynote Speech Session

09:35-10:15	Prof. Rezzy Eko Caraka, National Research and Innovation Agency, Indonesia / Chaoyang University of Technology, Taiwan, China Speech Title: A GeoAI-Driven Multi-Agent Framework for Spatial Trade-Off Optimization and Decision Intelligence in Sustainable Development Policy
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10:15-10:55	Mr. Saurabh Kakkar, Santander Bank – Dallas, USA Speech Title: From Black Box to Boardroom: Building Explainable, Governed AI in Regulated Banking
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10:55-11:35	Dr. Ely Salwana, Universiti Kebangsaan Malaysia, Malaysia Speech Title: AI in Broadcasting: Building Trust in the Human-AI Era
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Oral Presentation Session-Offline: Morning

Session Chair: Ma Jin

11:35-11:45	Pov Sorn, Institute of Technology of Cambodia, Cambodia Speech Title: Fine-Tuning Strategies for Reasoning in Khmer Mathematical Word Problems
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11:45-11:55	Bunheng UN, Institute of Technology of Cambodia, Cambodia Speech Title: SangKheb: An End-to-End Framework for Automatic Summarization of Khmer Government News and Announcements
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11:55-12:05	Abtin Ijadi Maghsoodi, University of Waikato, Hamilton, New Zealand Speech Title: REACH 2.0: A Multi-Regressor Framework with What-If Gating for Older Patient Pathway Prioritisation
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12:05-14:00	Lunch & Break
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