

SOICT 2025 TECHNICAL PROGRAM
12-13 December 2025
SHERATON NHA TRANG HOTEL, NHATRANG, VIETNAM

DAY 1 (Friday, 12 December 2025)					
07:45 - 18:00	Registration				
08:30 - 08:50	CONFERENCE OPENING – Venue: Ballroom				
08:50 - 09:30	Keynote I: Vincent Wong (The University of British Columbia, Canada) Machine Learning for Integrated Sensing and Communication Chair: Eui-Nam Huh Venue: Ballroom				
09:30 - 10:10	Keynote II: John C.S. Lui (The Chinese University of Hong Kong, Hong Kong) Quantum Internet: The Final Frontier Chair: Yukinobu Hoshino Venue: Ballroom				
10:10 - 10:40	Tea Break Poster Session				
	Ballroom A	Ballroom B	Yersin A	Yersin B	
10:40 - 12:00	SOICT Technical Session 1 Quantum Information Chair: Nguyen Hung Son	SOICT Technical Session 2 AI Applications Chair: Namal Rathnayake	SOICT Technical Session 3 Software Engineering Chair: Jonathan Hoyin Chan	SOICT Technical Session 4 Networking and Communication Technologies Chair: Melloou Abdelhamid	POSTER EXHIBITION AI Applications
10:40 - 11:00	Thuy Dao Thi Thu, Dat Le Quoc and Linh Hoang Dinh, Quantum Circuit Resource Assessment for ChaCha20 Stream Cipher	Thai Anh Vo, Lan Anh Nguyen, Bao Do, Cong Thanh Ma, Son-Trung Doan and Son-Hong Ngo, TriFusion: GNN-Based Multimodal Fusion for 3D Object Detection in Autonomous Driving	Kaung Myat Kyaw, Jonathan Chan and Udom Silparcha, CandleGen : Generating Synthetic OHLC Data for Different Market Trends using GANs	Long Khanh Tran, Thiloan Bui, Viet Hieu Ha, Van Dat Nguyen, Dinh Dung Nguyen and Thi Ngoc Dung Kieu, Propagated Presence: A Bluetooth Propagation-Based Method for Automated Classroom Attendance on Mobile Devices	
11:00 - 11:20	Trieu Nguyen, Minh Chung, Thanh-Dang Diep and Nam Thoai, EDM4QS: An Emulator-Driven Model for Quantum Scheduling	Nhat-Nam Duong, Trung-Kien Dao and Dinh-Van Nguyen, A Novel Approach for Sino-Vietnamese Text Transcription by Leveraging a Pre-trained BERT and Self-Attention Mechanism	Thi-Ha Le, Quoc-Hung Pham, Huy-The Vu, Minh-Tien Nguyen and Xuan-Hieu Phan, Graph-based Multi-Agents for Text-to-SQL	Quang Huy Duong and Brigitte Jaumard, An Evaluation on Defragmentation with CDC ROADMs in Elastic Optical Networks	
11:20 - 11:40	Lan Anh Nguyen, Thai Anh Vo, Trang Nguyen, Son-Trung Doan, Toan-Duc Nguyen, Son-Hong Ngo and Eunsung Jung, Toward Acceleration of Variational Quantum Classifier Simulation on GPUs	Duong Nguyen Vu Binh, Duy-Thanh Vu, Duy-Cat Can, Hai Duc Nguyen, Binh T. Nguyen, Oliver Y. Chen and Huong Ha, A Comparison of Machine Learning Methods for Alzheimer's Disease Classification in Vietnamese Patients	Long Nguyen, Quynh Vo, Thi Nguyen and Tho Quan, URAG 2.0: An Agentic Dual Retrieval Framework for Enhanced Reasoning in RAG-based QA Systems	Thanh-Dat Tran, Son Truong, Hoc Phan, Hai-Trang Dang and Thien Huynh-The, Fusing Gated Spatial-Channel Units and Fractal Cross-Scale Attention for Lightweight Waveform Classification	
11:40 - 12:00	Hieu Nguyen Doan, Duc Nguyen Manh, Thu Ngo Tran Anh, Tung Nguyen Xuan, Chien Trinh Van and Hwang Won Joo , Performance Analysis of Quantum Federated Learning with Personalized Layer	Binh-Dang Le, Quan Thi Khac, Duy Tran Ngoc Bao and Thanh Van Le, CodeLit: A Skill-Based Framework for Automated Assessment of Code Comprehension	Huynh Ngoc Khoa, Tang Nhat Hung, Dang Thien Binh and Nguyen Thanh Binh, Boosting Test Smell Prediction Using Deep Learning	Minh-Cat-Tuong Nguyen, Si-Thai Trang and Chi-Thanh Vi, A mobile-based attendance system using Bluetooth MAC address scanning	
12:00 - 13:30	LUNCH (Feast Restaurant, 1st Floor - Sheraton Hotel)				
13:30 - 15:30	SOICT Technical Session 5 Generative AI Chair: Jian Gang Ngui	SOICT Technical Session 6 AI Applications Chair: Guy Nagels	SOICT Technical Session 7 Applied Operations Research and Optimization Chair: Markus Westner	SOICT Technical Session 8 Multimedia Processing Chair: Khush Agarwal	POSTER EXHIBITION AI Applications, AI Foundations and Big Data, Applied Operations Research and Optimization, Generative AI, Human Computer Interaction and Intelligent Interactive Systems
13:30 - 13:50	Industrial Talk Jian Gang Ngui (AI Singapore, Singapore) SEA-LION: Southeast Asian Languages in One Network	Vu Pham and Long Nguyen, Optimization Approaches for Language Models in the Task of Translating Sino-Vietnamese Texts into Modern Vietnamese	Hoang Giang Pham and Thuy Anh Ta, Exponential Cone Reformulation for Scalable Estimation of Quantal Response and Multinomial Logit Models	Thao Thi Phuong Dao, Tan-Cong Nguyen, Trong-Le Do, Mai-Khiem Tran, Minh-Khoi Pham, Trung-Nghia Le, Minh-Triet Tran and Thanh Dinh Le, DTD-Mamba: Dual Teacher Distillation for Mamba in Head and Neck Abscess Segmentation	
13:50 - 14:10	Huyen Nguyen, Hieu Dam, Cong Tran and Cuong Pham , AD-GENESIS: Anomaly Detection through Gradient-Guided Generative Synthesis	Nam Nguyen Tu and Hiroki Takahashi, Motion-Gated Adaptive Filtering for Continuous Sign Language Recognition	Ban Ha-Bang and Do Tuan-Anh, Reinforcement Learning-Enhanced GRASP for the Multiple Traveling Repairmen Problem with Workload Balance	Trong-Hieu Nguyen-Mau, Minh-Nam Tran, Kim-Trang Phu-Thi, Minh-Triet Tran and Hai-Dang Nguyen, VietMed-VQA: A Novel Dataset and Benchmark for Vietnamese Medical Visual Question Answering	
14:10 - 14:30	Huu Dung Nguyen, Tri Dung Do, Viet Cuong Nguyen, Oanh Thi Tran and Duc-Trong Le, PRADA-QA: Product QA with Multi-Agent Planning and Dynamic Knowledge Retrieval	Khush Agarwal and Jonathan Hoyin Chan, Fine-Tuning Large Language Models for Automated English Speaking Proficiency Assessment Using Multimodal Linguistic and Prosodic Features	Hue Tran, Thai Hoa Nguyen and Khanh Phuong Nguyen, The Min-makespan Vehicle Routing Problem with Drones under Multiple Trips and Visits	Thao Thi Phuong Dao, Tan-Cong Nguyen, Nguyen Chi Thanh, Truong Hoang Viet, Trong-Le Do, Mai-Khiem Tran, Minh-Khoi Pham, Trung-Nghia Le, Minh-Triet Tran and Thanh Dinh Le, MasHeNe: A Benchmark for Head and Neck CT Mass Segmentation using Window-Enhanced Mamba with Frequency-Domain Integration	
14:30 - 14:50	Vu Tran and Long Nguyen, Enhancing RAFT with Knowledge Graphs for Question Answering on Vietnamese Legal Texts	Minh Trinh The, Son Nguyen Van, Phuong Nguyen Nam and Hanh Nguyen Thi, DRONES: Deep Reinforcement Optimization for Network k-Connectivity Restoration Enhancement in UAVs	Van Quan La and Nguyen Hoang Phuong Tran, Grey Wolf Optimization with Entropy Control for Coverage in DSNs	Minh Tri Ngo, Hieu Trung Dang, Hoang Trong Pham, Dinh Khoi Nguyen, Quyen Nguyen Huu and Duy Phan The , An Optimization-Driven Fusion Framework of Vision-Language Foundation Models for Large-Scale Video Retrieval	
14:50 - 15:10	Tim Hallyburton, Ludovic Berset, Gernot A. Fink, Andreas Fischer and Anna Scius-Bertrand, Segmentation-Free Handwriting Recognition from Historical Handwritten Documents Using Large Vision-Language Models	Toan Nguyen Khac and Ngoc Ly Quoc , XMedCLIP: A Multimodal Deep Neural Network for Bone Pathology Classification from X-ray Image	Quoc-Trung Bui, Quang-Dung Pham, Van-Son Nguyen and Minh Phan, Modeling and Solving the Bin Packing Problem with Relaxed Capacity Constraints: Applications in Agricultural Land Consolidation in Vietnam	Ngoc-Thao Le, Cat-Thanh Hoang-Le and Quoc-Ngoc Ly, Text-Driven 3D Interior Scene Generation using 3D Gaussian Splatting	
15:10 - 15:30	Kasper Lien Oftebro, Anh Nguyen Duc, Kai-Kristian Kemell and Anh Nguyen Quang, GenAI-Enabled Backlog Grooming in Agile Software Projects: An Empirical Study	Thi Loan Bui, Thi Oanh Tran, Thi Kim Oanh Nguyễn, Chi Tho Luong and Vanha Tran, Automated ESG classification by using Natural Language Processing Techniques from Vietnamese Company Annual Reports		Chinh Nguyen Minh, Long Tran Ngoc, Khoi Tran Man, Long Le Hoang Hien, Van Thai Hung, Duy-Dinh Le and Thanh Duc Ngo, When Events Speak: MLLM-Guided Video Retrieval with Temporal Renanking	
15:30 - 16:00	Tea Break Poster Session				
16:00 - 18:00	SOICT Technical Session 9 AI Applications/AI Foundations and Big Data Chair: Anna Scius-Bertrand	SOICT Technical Session 10 AI Applications Chair: Tran Cong	SOICT Technical Session 11 Applied Operations Research and Optimization Chair: Vi Chi Thanh	SOICT Technical Session 12 Networking and Communication Technologies/Software Engineering Chair: Huynh The Thien	
16:00 - 16:20	Hai Anh Tran, Huy-Hieu Nguyen, Quoc-Trung Le, Abdelhamid Melloou and Truong X. Tran, FedABoost: A Client Entropy Adaptive Boosting Framework for Federated Learning	Tan Hai Nguyen, Do Thanh Huyen Khong and Thi Quynh Hoa Nguyen, Enhancing Survey Efficiency: A Validated Vietnamese Short-Form of the MBTI Developed Through Machine Learning	Quoc-Trung Bui, Minh Phan, Duy Vu Nguyen, Van Son Nguyen and Quang Dung Pham, Non-Parametric Feature Combination For Explainable Credit Scoring	Thien Huynh-The, Minh-Thanh Le, Ngoc-Ha Truong, Van-Ca Phan and Truong-Thinh Le, A Lightweight and Robust Framework for Waveform Classification Using Dynamic Warping and State-Space Models	
16:20 - 16:40	Teh-Jen Sun and Eui-Nam Huh, Entropy-Based Gradient Weighting and Batch-Size Adaptation for Virtual Data-Parallel Training	Tien Dat Phan, Vy Anh Tran, Bao Long Hoang, Thi Minh Ngoc Truong and Thi Hau Nguyen, GRACE: A Knowledge Graph-Enhanced Conversational Recommendation System via Retrieval-Augmented Generation	Uyen Tran, Tan Tran and Canh Pham, Deterministic one-pass streaming algorithm for non-monotone DR-submodular maximization under a size constraint	Tien H. Do, Thang V. Nguyen, Kien T. Phan, Hien T. T. Pham and Ngoc T. Dang, Channel-Aware Power and Rate Control for UOWC with DRL and HARQ Integration	

16:40 - 17:00	<i>Quang-Hung Bui, Bach Ngoc Pham, Anh-Minh Tran, Thanh Dat Le, The Phong Le, Tien Dung Nguyen and Anh Son Ta, AdaFRUGAL: Adaptive Memory-Efficient Training with Dynamic Control</i>	<i>Yukinobu Hoshino, Namal Rathnayake, Tuan Linh Dang and Upaka Rathnayake, Effectiveness of Rolling-Sum Preprocessing in River Mouth Water Depth Prediction Using Machine Learning</i>	<i>Luan Thach, Phuong Do, Khoa Tan Vo, Thu Nguyen, Mong-Thy Nguyen-Thi and Tu-Anh Nguyen-Hoang, DESW: Reducing Concentration in Proof-of-Stake with Dynamic Exponential Stake Weighting</i>	<i>Trung Vu-Thanh, Jing He, Xuan Quang Truong, Nga Phan Thi Thanh, Luong Nguyen Thi, Ninh Duong-Bao and Khanh Nguyen-Huu, Threshold-based AP Filtering and Distance Measure Analysis for K-means Clustering in WiFi Fingerprinting-based Indoor Localization System</i>	
17:00 - 17:20	<i>Wassim Ghommidh and Mohamed Farah, Part-GNN: A partitioning-based graph neural network for efficient memory large scale data classification</i>	<i>Tuan-Ngoc Nguyen, Hai-Dang Kieu and Cam-Van Thi Nguyen, Enhance Sequential Recommendation via Linear Recurrent Units</i>	<i>Bui Trong Duc, Ho Viet Duc Luong, Bui Xuan Son, Dang Quang Thang, Tran Van Tam, Nguyen Hai Dang and Vu Van Tan , Balancing Efficiency and Fairness in the Integrated Truck-Drone Dispatching Problem with Dynamic Endurance via Pareto Front Grid Guided Multi-objective Optimization</i>	<i>Nhat-Hoa Tran and Quang-Huy Vuong, A Bounded Model Checking Approach for Verifying OSEK/VDX Applications</i>	
17:20 - 17:40	<i>Mark Jerome Santos, Andreas Luy, Kenneth Amurao and Adriane Brent Castro, CITADEL: A Web-Based Faculty Performance Evaluation and Decision-Support System for Higher Education Institutions</i>	<i>Dang Nhat Khuong, Nguyen Chi Kien, Truong Vinh Linh, Cao-Phan Khanh-Duy and Pham Minh Tuan, Aspect-Based Sentiment Analysis for Stock Price Movement Prediction</i>	<i>Dung T.K. Ha, Anh T.N. Vu, Linh K. Duong and Phong T.D. Nguyen, Budgeted Object Detection via Online Submodular Approximation Algorithm</i>	<i>Taejun Choi, Boyoon Kim and Hichan Moon , UAV-Based Target Terminal Search System for Emergency Rescue</i>	
17:40 - 18:00	<i>Rafael John Castro, Earl Gabriel Datu, Alex Gaebriel Limio, Julian Carlos Torno and Jenice Anne Marie Visperas, AUF iAssist: A Web-Based Helpdesk System for Efficient Support and Concern Resolution</i>	<i>Abir Linoubli, Khairi Abidi and Mohamed Farah , Tokenization in Protein Language Models: Methods, Taxonomy, and Applications</i>	COMPETITION SESSION Chair: Nguyen Hung Son		
DAY 2 (Saturday, 13 December 2025)					
08:00 - 17:40	Registration				
08:30 - 09:10	Keynote III: Josiah Poon (University of Sydney, Australia) Designing Multimodal Driven NLP for a Fluid World Chair: Cathal Gurrin Venue: Ballroom				
09:10 - 09:50	Keynote IV: Tung Kum Hoe Anthony (National University of Singapore, Singapore)□ Being Small in the Era of Large Models: Enabling Prudent AI with Lightweight, Just-in-Time AI Boxes Chair: Wray Buntine Venue: Ballroom				
09:50 - 10:20	Tea Break Poster Session				
	Ballroom A	Ballroom B	Yersin A	Yersin B	POSTER EXHIBITION Lifelog Event Retrieval
10:20 - 12:00	SOICT Technical Session 13 Lifelog Event Retrieval Chair: Cathal Gurrin	SOICT Technical Session 14 AI Applications Chair: Nguyen Van Duy	SOICT Technical Session 15 Human Computer Interaction and Intelligent Interactive Systems Chair: Dang Tuan Linh, Le Duy Dung	SOICT Technical Session 16 Multimedia Processing Chair: Ide Ichiro	
10:20 - 10:40	<i>Trong-Le Do, Viet-Tham Huynh, Hai-Dang Nguyen, Thuc Nguyen-Quang, Mai-Khiem Tran, Trong-Thuan Nguyen, Tu V. Ninh, Tu-Khiem Le, Thanh Duc Ngo, Duc-Tien Dang-Nguyen, Tu-Trinh Ngo, Klaus Schoffmann, Cathal Gurrin and Minh-Triet Tran, Toward Abstraction-Level Event Retrieval in Large Video Collections: Leveraging Human Knowledge and LLM-Based Reasoning in the Ho Chi Minh City AI Challenge 2025</i>	<i>Ma Công Thành, Tran Duc Huy, Pham Ngoc Loc, Hoang Anh Vu and Nguyen Trong Khanh, FA-Net: A Dual-Branch Attention Architecture for Extracting Fine-Grained Anatomical Features of Wood</i>	<i>Trong Tuan Do, Duc Minh Nguyen, Van Quyen Bui and Dinh Duy Nguyen, A Co-Simulation Approach for UAV-Network-AI Interaction in Digital Twin Visual Context</i>	<i>Trong-Thuan Nguyen and Minh-Triet Tran, LOGOS: Language-guided Oriented Object Detection in Aerial Scenes</i>	
10:40 - 11:00	<i>Thanh Nhan Vo, Minh Doan Ngoc Binh, Pi-Dieu Sam, Hai Dang Nguyen and Khoi-Nguyen Nguyen, Real-Time Hybrid Multimodal Retrieval System for AI Challenge HCMC 2025</i>	<i>Dung Tran, Huyen Tran, Hong Nguyen, Xuan-Vu Phan and Nam-Phong Nguyen, Adaptive Rainfall Forecasting from Multiple Geographical Models Using Matrix Profile and Ensemble Learning</i>	<i>Viet-Tham Huynh, Minh-Khang Nguyen, Nhut-Thanh Le-Hinh, Duy-Nam Ly, Tam V. Nguyen and Minh-Triet Tran, Fairy360VR: Immersive 360° Storytelling with Large Language Models and Generative Diffusion</i>	<i>Nguyen Thanh Khoi, From Text to Thumbnail: A Unified Framework for Automated News Image Generation and Evaluation for Daily Activities</i>	
11:00 - 11:20	<i>Nguyen Mai Vinh, Khoi Nguyen Nam Anh, Duy Tran Khanh, Duy Do Quoc, Hung Bach Chan, Bao Tran Gia, Minh Vo, Tien Do and Thanh Duc Ngo, Towards Conversational Video Retrieval with an Intelligent Search Agent</i>	<i>Nguyen Tran Minh Nhat, Pham Cong Hoang, Tran Phong Quan, Tran Le Dung, Nguyen Duy Long, Nguyen Duong Hung and Ho Viet Duc Luong, Toward a Culture-Aware Vietnamese Mental Health Support Chatbot with Large Language Models</i>	<i>Phi Vu Vo Diep, Xuan Uyen Nguyen Vu, Chi Thanh Vi and Khanh-Duy Le, Enhancing VR Drink Taste Believability using Olfactory Stimulation</i>	<i>Nguyen Duong Hung, Hoang Danh Quan, Ho Viet Duc Luong, Lang Hong Nguyen Anh, Nguyen Thi Thuy and Dinh Viet Sang, Self-Supervised ViT for Endoscopy: I-JEPA Pretraining with Label-Free Diffusion Assessment</i>	
11:20 - 11:40	<i>Minh-Quan Ho-Le, Duy-Khang Ho, Huy-Hoang Do-Huu, Nhut-Thanh Le Hinh, Hoa-Tien Vo-Hoang, Tu V. Ninh and Minh-Triet Tran, Applying Large Language Model (LLM) Agents for Automated Lifelog Retrieval</i>	<i>Cuong Van Duc, Thai Tran Quoc, Minh Nguyen Dinh Tuan, Tam Vu Duc, Son Nguyen Van and Hanh Nguyen Thi, MiRAGE: Misconception Detection with Retrieval-Guided Multi-Stage Reasoning and Ensemble Fusion</i>	<i>Thi Quynh Hoa Nguyen, Duy Hai Nguyen, Thanh Ha Le and Thi Duyen Ngo, An eye-tracking system for extracting and visualizing visual features of dyscalculia in children</i>	<i>Hoang-Phuc Nguyen, Phuong-Linh Huynh-Ha and Minh-Triet Tran, Generalizability Evaluation and Anchor-Guided Approach for Category-Agnostic Pose Estimation</i>	
11:40 - 12:00	<i>Xuan Huy Manh, Anh Hao Kieu, Minh Hung Le, Duy Tung Nguyen, Thanh Tung Nguyen, Viet Hang Dao and Hai Vu, Estimating size of lesions in Endoscopic Images using depth model-based approaches</i>	<i>An To Vinh, Nguyen Nguyen Hoang, Nguyen Luong Si, Tho Le Doan, Minh Vo, Tien Do and Thanh Duc Ngo, Leveraging Composed Image Retrieval Principles for Efficient Textual Feedback in Multimodal Retrieval</i>	<i>Trung-Hau Nguyen-Tran, Dung-Minh Nguyen, My-Le Duong-Thi, Ngoc-Trinh Nguyen-Thi, Thi-Hai Vo, Hoai-Nam Do and Khanh-Duy Le, MO-PO RM: A Collaborative Mixed Reality Board Game for Engaging Players and Audience in Learning through Playing</i>	<i>Duc-Tuan Luu, Diem Nguyen, Anh-Khoa Nguyen Vu and Vinh-Tiep Nguyen, RIOT: Robust Incremental Few-Shot Instance Segmentation via Synthetic Feature Generation with Optimal Transport</i>	
12:00 - 13:30	LUNCH (Feast Restaurant, 1st Floor - Sheraton Hotel)				
13:30 - 15:30	SOICT Technical Session 17 Lifelog Event Retrieval Chair: Cathal Gurrin	SOICT Technical Session 18 AI Applications Chair: Than Quang Khoat, Vu Van Khu	SOICT Technical Session 19 Recent Advances in Cyber Security Chair: Tran Hai Anh	SOICT Technical Session 20 Multimedia Processing Chair: Quan Thanh Tho	
13:30 - 13:50	<i>Duc-Nhuan Le, Hoang-Phuc Nguyen, Thanh-Duy Lam, Minh-Nhut Dang and Minh-Hoang Le, U-CESE: Unified Clip-based Event Search Engine for AI Challenge HCMC 2025</i>	<i>Dam Thai Ninh, Nguyen Duc Kien, Trinh Ngoc Huynh, Dinh Tran Hiep, Nguyen Hai Anh, Bui Duc Manh, Miguel D'Haeseleer, Jeroen Van Schependom, Stijn Deniszen, Tran Quoc Long, Nguyen Linh Trung and Guy Nagels, The Privacy-Utility Trade-off in Brain MRI Synthesis: A Comparative Framework for Generative Models</i>	<i>Minh Tran Dang Quang, Tung Bui, Tran Dinh Kien Giang, Tran Quang Duc and Tuyen Ngoc Le, Robust Intrusion Detection and Classification in EVSE Using Ensemble Methods</i>	<i>Quynh Vo, Dung Phan and Tho Quan, Scene Graph for Vietnamese Video Understanding: An Agentic Approach with Reasoning</i>	
13:50 - 14:10	<i>Van-Loc Nguyen, Gia-Huy Vuong, Ngoc-Do Tran, Tien-Thanh Nguyen-Dang, Van-Son Ho, Van-Tu Ninh and Minh-Triet Tran, Visionary: Optimized Temporal Video Retrieval via Large Language Model-Enhanced Query Processing</i>	<i>Bao Bui-Quoc, Khang Nguyen-Vi, Hoa Nguyen-Phuong and Nidal Kamel, Task-Aware Harmonization of Sentinel-2 for Canopy Height Mapping: A Deep Learning Application in the Ngoc Linh Mountains, Vietnam</i>	<i>Hung Nguyen Tuan, Kiet Le Tuan, Nguyen Nguyen Trung, Luong Ho Nguyen, Duy Vu Ba and Hoa Nguyen Ngoc, FOAMI: Enhancing ICS Threat Detection via Feature Optimization, Realistic Augmentation, and Mutual Inference</i>	<i>Quang-Linh Tran, Hoang-Bao Le, Tuong-Nghiem Diep, Binh Nguyen, Gareth J. F. Jones and Cathal Gurrin, OpenLifelogQA: An Open-Ended Multimodal Lifelog Question-Answering Dataset</i>	
14:10 - 14:30	<i>Khoa Dinh Duc Anh, Duc-Tai Dinh, Trung Nguyen Le Hoang and Nhan Nguyen Thanh, KPTER: K-Pointer for Temporal Event Retrieval</i>	<i>Thanh Tam Tran, Ba Hung Ngo, Thu Thuan Pham and Tae Jong Choi, Adaptive Multi-Level Attention for Effective Cross-Domain Brain Tumor Detection</i>	<i>Vu Minh Manh, Nguyen Thanh Chung and Cho Do Xuan, A Novel Framework for Android Malware Detection Based on Function Call Graph Pruning and Contrastive Learning</i>	<i>Thanh-Son Nguyen, Van-Loc Nguyen, Cong-Luan Le, and Viet-Tham Huynh, EnAug: ENT Endoscopy Images Classification Using Ensemble and Augmentation Methods</i>	

14:30 - 14:50	<i>Huu An Vu, Van Khanh Mai, Trong Tam Nguyen, Quang Duc Dam, Tien Huy Nguyen and Thanh Huong Le,</i> MADTempo: An Interactive System for Multi-Event Temporal Video Retrieval with Query Augmentation	<i>Leonhard Bürkner and Markus Westner,</i> Critical Success Factors for AI Adoption: A Multivocal Literature Review and a Top Management Perspective	<i>Huynh Minh Hien, Ngo Trung Hieu, Nguyen Huu Quyen, Pham Van-Hau, Do Thi Thu Hien and Phan The Duy,</i> MPPO-GEM: Reinforcement Learning Approach for Generating Evasive Malware against Static and Dynamic Malware Detectors	<i>Minh-Khoa Le-Phan, Minh-Hoang Le, Minh-Triet Tran and Trong-Le Do,</i> EDGER: EDge-Guided with Heatmap Refinement for Generalizable Image Forgery Localization	POSTER EXHIBITION Lifelog Event Retrieval, Multimedia Processing, Communication Technologies, Quantum Information, Recent Advances in Cyber Security, Software Engineering
14:50 - 15:10	<i>Duong Nghia, Nguyen Tu, Pham Nhan, Le Truong and Le Khoi,</i> Althema-Vision: Adaptive Temporal Multimodal Event Retrieval with LLM-generated Multiperspective Fusion	<i>Thi Quynh Hoa Nguyen, Duy Hai Nguyen, Tuan Long Tran, Thi Trang Tran and Van Khoa Le,</i> A Computational Framework for the Personalized Remediation of Reading Difficulties Using Dynamic Bayesian Networks	<i>Xuan Hung Truong, The Dung Luong and Anh Tu Tran,</i> Pri-WeDec: A Private Deep Learning Approach for Weapon Detection in Digital Forensics	<i>Minh-Loi Nguyen, Xuan-Vu Le, Long-Bao Nguyen, Hoang-Bach Ngo and Trung-Nghia Le,</i> Hierarchical Multi-Modal Retrieval for Knowledge-Grounded News Image Captioning	
15:10 - 15:30	<i>Duy Ho Khanh, Diep Tran Van, Son Nguyễn Hồng, Duy Nguyen, Hữu Trần Chí and Binh Nguyen,</i> Lucifer-TRACE: Dynamic Programming and LVLM-Aided Verification for Event-Based Video Retrieval	<i>Quang Nguyen and Khang Nguyen,</i> Towards Reliable Oriented Surgical Instrument Detection: Benchmark and Evaluation	<i>Nhat Duy Dang, Linh Giang Nguyen, Dong Le Van and Tuyen Ngoc Le,</i> Few-Shot Intrusion Detection using Model-Agnostic Meta-Learning with Deep Neural Networks	<i>Ngoc Nguyen Tran, Duc-Duy Nguyen and Nhat-Duc Le,</i> From Relative to Absolute: Monocular Depth Estimation in Aerial Imagery	
15:30 - 16:00	Tea Break Poster Session				
16:00 - 17:20	SOICT Technical Session 21 Lifelog Event Retrieval Chair: Tran Minh Triet	SOICT Technical Session 22 AI Applications Chair: Ta Duy Hoang	SOICT Technical Session 23 Recent Advances in Cyber Security Chair: Dam Quang Tuan	SOICT Technical Session 24 Multimedia Processing Chair: Le Duc Hau	
16:00 - 16:20	<i>Minh Nguyen, Nga N.T. Nguyen, Cuong Dinh, Dang Nguyen, Dat Tien Nguyen and Huy M. Le,</i> CLIPAR: Multimodal and Temporal-Aware Video Retrieval System	<i>Huyen Nguyen, Hieu Dam, Thuy Nguyen Thi Thu and Viet Nguyen Kim,</i> AuMoM: A Framework for Learning Discriminative Speaker Embeddings using a Mamba-based Mixture of Experts and Contrastive Loss	<i>Nghi Hoang Khoa, Vo Duc Chinh, Tu Chi Kien, Thai Hung Van and Phan The Duy,</i> Password Generation Based on GenAI for Evaluating the Security of Password-Based Control Systems	<i>Thanh-Nhan Vo, Trong-Thuan Nguyen, Tam V. Nguyen and Minh-Triet Tran,</i> SimGraph: A Unified Framework for Scene Graph-Based Image Generation and Editing	
16:20 - 16:40	<i>Duc-Tho Nguyen, Hieu-Hoc Tran-Minh, Khanh-Hoa Lam, Hoang-Nhut Ly, Huu-Phuc Huynh, Thanh-Tien Tran and Trung-Nghia Le,</i> Vortex: A Multi-Modal Fusion System for Intelligent Video Retrieval	<i>Anh Nguyen-Thi-Mai, Anh Nguyen-Thi-Van, Bao Doan-Quoc, Minh Tran-Duc, Tran Hung, Miroslav Voznak, Tu Duc Ho, Van Vo Nhan, Symeon Chatzinotas and Tran Dinh-Hieu,</i> A Survey on Challenges and Emerging Frontiers of Multi-Agent Systems	<i>Giang Tran Dinh Kien, Duy Anh Hoang, Van Tong, Tung Bui, Tran Quang Duc and Tuyen Le Ngoc,</i> FusionMalNet: A Hybrid Ensemble Architecture for Windows Malware Detection	<i>Duc-Manh Phan, Quoc-Duy Tran, Duy-Khang Do, Anh-Tuan Vo, Hai-Dang Nguyen, Trong Le Do, Mai-Khiem Tran, Vinh-Tiep Nguyen, Tam V. Nguyen, Isao Echizen, and Trung-Nghia Le,</i> Forged Calamity: Benchmark for Cross-Domain Synthetic Disaster Detection in the Age of Diffusion	
16:40 - 17:00	<i>Danh Nguyen Duc, Duy Dang Phu, Lac Tran Nguyen Khai, Bao Luong Huynh Gia, Minh Quang Le, Van Thai Hung, Duy-Dinh Le and Thanh Duc Ngo,</i> Efficient Video Retrieval for Less-Resourced Languages via Multi-Modal Semantic Search	<i>Nhân Nguyễn Tiến, Sơn Lê Mai Thanh, Anh Vũ Đức, Bảo Bùi Quốc and Nidal Kamel,</i> Improving Plant Species Distribution Models with Hydrologic and Topographic Features	<i>Nghi Hoang Khoa, Dang Quang Huy, Cao Minh Duc, Ngo Duc Hoang Son and Phan The Duy,</i> PowerGAN: Enhancing PowerShell Attack Detection through GAN-Driven Data Generation	<i>Thi-Minh-Thu Vu, Quoc-An Nguyen, Bich-Dat Nguyen, Dinh-Quang-Minh Tran and Hoang-Quynh Le,</i> HERF: Hybrid Evidence Retrieval Framework for Entity-Centric Question Answering	
19:00 - 21:30	GALA DINNER (Lakshmi hall 1 - Champa Island Nha Trang - Resort Hotel & Spa) Pick up at 18:30, Sheraton Hotel				