

## SOICT 2023 POSTER SESSIONS PROGRAM

#	Authors	Title	Track	Poster Session	Day
2385	Nguyen Nang Hung Van, Phuc Hao Do, Van Nam Hoang, Aleksandr Borodko and Tran Duc Le	Leveraging FFT and Hybrid EfficientNet for Enhanced Action Recognition in Video Sequences	AI Foundation and Big Data	1	07/12/2023
3231	Tan Tran, Canh Pham and Dung Ha	Maximizing a $\phi$ -Submodular Maximization Function under an Individual Knapsack Constraint	AI Foundation and Big Data	1	07/12/2023
3331	Dang H. Pham, Anh D. Nguyen, Long V. Vu and Hoa N. Nguyen	IQAGA: Image Quality Assessment-Driven Learning with GAN-Based Dataset Augmentation for Cross-Domain Person Re-Identification	AI Foundation and Big Data	1	07/12/2023
3695	Ngo Thi-Vinh, Bui Van-Tan, Nguyen Phuong-Thai and Nguyen Le-Minh	Improving Multilingual Neural Machine Translation with Artificial Labels	AI Foundation and Big Data	1	07/12/2023
3958	Nguyen Thi Khanh Tram, Doan Trung Son and Anh Võ Thái	Weapon Detection Using Deep Learning	AI Foundation and Big Data	1	07/12/2023
4119	Guillaume Guérard, Soufian Ben Amor, Loup-Noé Levy, Djebali Sonia, Maxence Choufa and Clément Cornet	Clustering Mixed Data Comprising Time Series	AI Foundation and Big Data	1	07/12/2023
4751	Thi Minh Nguyen, Thi An Le and Thi Hau Nguyen	A flexible framework for customer behavior prediction based on ensemble learning	AI Foundation and Big Data	1	07/12/2023
5035	Michael Jungo, Lars Vögtlin, Atefeh Fakhari, Nathan Wegmann, Rolf Ingold, Andreas Fischer and Anna Scius-Bertrand	Impact of the ground truth quality for handwriting recognition	AI Foundation and Big Data	1	07/12/2023
5177	Jun Yao and Huanhuan Chen	Adaptive Nonlinear Dimensionality Reduction with a Local Metric	AI Foundation and Big Data	1	07/12/2023
5211	Nguyen Sy Duc, Nguyen Van Nga and Dao Thanh Chung	Video Sage: Video Recommendation Using Graph Convolution Neural Network	AI Foundation and Big Data	1	07/12/2023
6360	Duc-Thao Do, Tien-Dung Cao, Hien Tran and Huy Quoc Le	Optimizing GANs using Relativistic Discriminator with Margin Losses for Semi-supervised Learning	AI Foundation and Big Data	1	07/12/2023
7779	Thai Huy Nguyen and Ngoc Hoang Luong	Understanding the Role of Population Experiences in Proximal Distilled Evolutionary Reinforcement Learning	AI Foundation and Big Data	1	07/12/2023
9303	Quy Tran Van, Tram Nguyen Bao and Tu Pham Minh	Integrated Hybrid Approaches for Stock Market Prediction with Deep Learning, Technical Analysis, and Reinforcement Learning	AI Foundation and Big Data	1	07/12/2023
1157	Son Ngo Duc Hoang, Anh Bui Vuong Tam, Phuoc Phan Hoang, Giang Tran Thi Cam, Thinh Nguyen Hung, Quyên Nguyen Huu, Duy Phan The and Van-Hau Pham	BlazeSearch: A multimodal semantic search engine for retrieving in-video information for AI Challenge HCMC 2023	Lifelog Event Retrieval	2	07/12/2023
1313	Thai Ngoc Toan Truong and Thi Thanh Sang Nguyen	Global Knowledge-Aware and Local Attention-Aware Framework for News Recommendation	Lifelog Event Retrieval	2	07/12/2023
2600	Phong Phan Nguyen Huu, Khoa Tran Dinh, Ngan Tran Kim Ngoc, Luong Tran Duc, Phuc Le Hoang, Quyên Nguyen Huu, Duy Phan The and Van-Hau Pham	DoppelSearch: A Novel Approach to Content-Based Video Retrieval for AI Challenge HCMC 2023	Lifelog Event Retrieval	2	07/12/2023
3167	Khai Trinh Xuan, Nguyen Nguyen Khoi, Huy Luong-Quang, Sang Hoa-Xuan, Anh Nguyen-Luong-Nam, Minh-Hung An and Hong-Phuc Nguyen	Multi-User Video Search: Bridging the Gap Between Text and Embedding Queries	Lifelog Event Retrieval	2	07/12/2023
3227	Phong Truong, Anh Dao, Dat Nguyen and Khoi Le	NewSeeker: An Interactive Event Query System for Video Data	Lifelog Event Retrieval	2	07/12/2023
6657	Hồng Linh Phạm, Tấn Luân Huỳnh, Lê Hoàng Nguyễn, Minh Toàn Đinh and Tuấn Mạnh Hùng Võ	Efficient Video Retrieval with Advanced Deep Learning Models	Lifelog Event Retrieval	2	07/12/2023
6897	Quang Tan Nguyen, Xuan Quang Nguyen, Trong Bao Ho, Duc Thang Truong and Minh Hoang Le	Vi-ATISO: An Effective Video Search Engine at AI Challenge HCMC 2023	Lifelog Event Retrieval	2	07/12/2023
7065	Junjie Shan, Yangdi Ni and Yoko Nishihara	Dialogue Attributes' Zero-Shot Classification Based Anime Scene's Matching for Japanese Listening Test	Lifelog Event Retrieval	2	07/12/2023

8202	Minh-Dung Le-Quynh, Anh-Tuan Quang-Hoang, Anh-Tuan Nguyen, Van-Huy Dinh, Tien-Huy Nguyen and Hoang-Bach Ngo	Enhancing Video Retrieval with Robust CLIP-Based Multimodal System	Lifelog Event Retrieval	2	07/12/2023
8585	Dang Pham-Hai, Ninh Duong-Bao, Jing He, Luong Nguyen Thi, Seon-Woo Lee and Khanh Nguyen-Huu	WiFi-based Positioning System with k-means Clustering and Outlier Removal: Evidence from Multiple Datasets	Lifelog Event Retrieval	2	07/12/2023
9515	Kiet Pham Gia, Hai Binh Tran Le, Phi Long Nguyen Huynh, Song Phuong Le Tran, Long Pham Hoang, Tin Huynh Ngoc, Tri Pham Xuan and Duong Tran Ham	An Interactive System for Multimedia Retrieval in Video Collection with Temporal Integration	Lifelog Event Retrieval	2	07/12/2023
196	Hung Tran, Tung Pham Huu, Tu Lam-Thanh, Van Vo Nhan, Giang Vu Le Quynh, Viet-Hung Dang and Trinh Van Chien	Packet Timeout Probability for Cognitive Cooperative Radio Network under Security Constraint	Networking and Communication Technologies	2	07/12/2023
2214	Hieu Nguyen Doan, Tung Nguyen Xuan, Quang Vinh Do, Hwang Won Joo, Chung Sang-Hwa and Kim Jong-Deok	Graph Neural Network-based Federated Learning for Sum-rate Maximization in Small-cell Wireless Network	Networking and Communication Technologies	2	07/12/2023
2887	Hoang Long Vu, Quang Anh Tran, Bao Son Do, Huu Binh Ta, Binh Minh Nguyen and Thi Thanh Binh Huynh	GAPRO: An Adaptive User-centric Resource Allocation and Task Offloading Strategy for Multi-access Edge Computing	Networking and Communication Technologies	2	07/12/2023
3769	Mateusz Kazimierczak, Thanyathorn Thanapattheerakul and Jonathan H. Chan	Enhancing Security in WhatsApp: A System for Detecting Malicious and Inappropriate Content	Networking and Communication Technologies	2	07/12/2023
5435	Minh Vu Nguyen, Ngoc Thuy Le, Dung Duong, Yannan Li and Madhav Mukherjee	Blockchain Oracles: Implications for Smart Contracts in Legal Reasoning and Addressing the Oracle Problem	Networking and Communication Technologies	2	07/12/2023
8656	Hoang Quan Pham, Manh Cuong Pham, Thanh Hung Nguyen, Phi Le Nguyen and Van Chien Trinh	A Q-learning-based Energy Efficiency Optimization in LoRa Networks	Networking and Communication Technologies	2	07/12/2023
1143	Cong Thuan Do, Anh Nam Le, Van Duc Nguyen and Van Chien Trinh	Deep Learning-based Prediction of Alertness and Drowsiness using EEG Signals	Artificial Intelligence and Data Science for Smart Health and Medicine	3	08/12/2023
4924	Wafae Aissaoui, Fadoua Khennou and Abderrahim Abdellaoui	Enhancing Intensive Care Patient Prognostics with Machine Learning	Artificial Intelligence and Data Science for Smart Health and Medicine	3	08/12/2023
5039	Nhut-Thanh Le-Hinh, Hoa-Vien Vo-Hoang, Trong-Nghia Tran and Xuan-Nam Cao	Improving Depression Classification in Social Media Text with Transformer Ensembles	Artificial Intelligence and Data Science for Smart Health and Medicine	3	08/12/2023
6021	Tue Cao, Nhat Tran, Le Nguyen, Hung Nguyen and Hieu Pham	IncepSE: Leveraging InceptionTime's performance with Squeeze and Excitation mechanism in ECG analysis	Artificial Intelligence and Data Science for Smart Health and Medicine	3	08/12/2023
6182	Duc-Long Vu and Hai-Chau Le	Efficient Machine Learning-based Gene Selection Exploiting Immune-related Biomarkers and Recursive Feature Elimination for Sepsis Diagnosis	Artificial Intelligence and Data Science for Smart Health and Medicine	3	08/12/2023
9841	Hieu Phan Trung, Su Nguyen Thiet, Tuan Nguyen Trung, Loc Le Tan, Triet Tran Minh and Tho Quan Thanh	OsteoGA: An Explainable AI Framework for Knee Osteoarthritis Severity Assessment	Artificial Intelligence and Data Science for Smart Health and Medicine	3	08/12/2023
5315	Nguyễn Võ Duy, Thụ Nguyễn Minh, Triết Nguyễn Huỳnh Minh and Khang Nguyễn Tấn Trần Minh	Optimizing Results in Aerial Images through Post-Processing Techniques on YOLOv7	Multimedia Processing	3	08/12/2023
2029	Vu Tuan Hai and Pham The Bao	Entangled topologies for quantum image processing	Multimedia Processing	3	08/12/2023
3059	Duc-Vu Nguyen and Quoc-Nam Nguyen	Evaluating the Symbol Binding Ability of Large Language Models for Multiple-Choice Questions in Vietnamese General Education	Multimedia Processing	3	08/12/2023
3145	Lê Công Luận and Trần Minh Triết	Analyze video action with a deep learning model based on space-time and context information	Multimedia Processing	3	08/12/2023
3257	Bao Quoc Phan Nguyen, Hung Thanh Nguyen and Ngoc Quoc Ly	A New Coarse-To-Fine 3D Face Reconstruction Method Based On 3DMM Flame and Transformer: CoFIT-3D FaRe	Multimedia Processing	3	08/12/2023
4249	Duy-Tung Nguyen, Duc-Manh Nguyen, Dinh-Tan Pham, Khoat Than, Hong-Thai Pham and Hai Vu	Bayesian method for bee counting with noise-labeled data	Multimedia Processing	3	08/12/2023

5830	Stefan Pham, Shri Hari Gopalakrishnan, Cise Midoglu, Robert Seeliger, Stefan Arbanowski and Stephan Steglich	A Novel Approach to Streaming QoE Score Calculation by Integrating Error Impacts	Multimedia Processing	3	08/12/2023
7484	Anh-Kiet Vo and Thien Huynh-The	LiPoSeg: A Lightweight Encoder-Decoder Network for LiDAR-based Road-Object Semantic Segmentation	Multimedia Processing	3	08/12/2023
7914	Tung Nguyen Quang and Oanh Nguyen Thi	Language Knowledge-Assisted in Topology Construction for Skeleton-Based Action Recognition	Multimedia Processing	3	08/12/2023
9545	Viet Hang Duong and Dang Duc Manh Nguyen	Lite FPN_SSD: A Reconfiguration SSD with Adapting Feature Pyramid Network Scheme for Small Object Detection	Multimedia Processing	3	08/12/2023
888	Chinh Nguyen Truong, Phuc Dang and Hieu Dau Sy	RAC-SAC: An improved Actor-Critic algorithm for Continuous Multi-task manipulation on Robot Arm Control	Human Computer Interaction and Intelligent Interactive Systems	4	08/12/2023
1112	Tuan Do Trong, Duy Tran Bao, Khai Vu Dinh and Hoang-Anh Pham	Applying Deep Learning for UAV Obstacle Avoidance: A Case Study in High-Rise Fire Victim Search	Human Computer Interaction and Intelligent Interactive Systems	4	08/12/2023
1201	Cao Vu Bui, Thi Thu Hong Phan and Luong Vuong Nguyen	An Ensemble Approach to Graph Layout for Movie Poster Similarity Visualization	Human Computer Interaction and Intelligent Interactive Systems	4	08/12/2023
3091	Cong-Tai Nguyen, Huu-Hung Nguyen and Minh-Triet Tran	A Comprehensive Web Annotation Application for Organ Image Segmentation and Predictive Inference	Human Computer Interaction and Intelligent Interactive Systems	4	08/12/2023
6020	Duc Duy Le, Thi Kieu Chinh Nguyen, Thanh Ha Le, Thi Cam Huong Nguyen and Thi Duyen Ngo	An eye tracking - based system for capturing visual strategies in reading of children with dyslexia	Human Computer Interaction and Intelligent Interactive Systems	4	08/12/2023
8308	Gia-Huy Vuong and Minh-Triet Tran	Resnet Video 3D for Gait Retrieval: A Deep Learning Approach to Human Identification	Human Computer Interaction and Intelligent Interactive Systems	4	08/12/2023
1516	Pham Huu Phong, Nguyen Viet Hung, Tran Ngoc Anh and Nguyen Minh Hieu	LOG ANALYSIS FOR NETWORK ATTACK DETECTION USING DEEP LEARNING MODELS	Recent Advances in Cyber Security	4	08/12/2023
1892	Bằng Lê Hồng, Thăng Lê Đức, Trung Đoàn Minh, Dũng Trần Tuấn, Duy Phan Thế and Hậu Phạm Văn	Contextual Language Model and Transfer Learning for Reentrancy Vulnerability Detection in Smart Contracts	Recent Advances in Cyber Security	4	08/12/2023
1982	Minh-Quan Le, Hai-Duong Le, Anh Vu Dinh-Duc and Thanh-Tung Tran	IU-TransCert: A Blockchain-Based System for Academic Credentials with Auditability	Recent Advances in Cyber Security	4	08/12/2023
7611	Minh Vo Quang, Dang Bui Tan Hai, Ngan Tran Kim Ngoc, Son Ngo Duc Hoang, Quyen Nguyen Huu, Duy Phan The and Van-Hau Pham	Shark-Eyes: A multimodal fusion framework for multi-view-based phishing website detection	Recent Advances in Cyber Security	4	08/12/2023
8156	Thanh-Hai Nguyen, Olivier Heron and Olivier Riou	Towards Privacy-aware Manufacturing Data Exchange Platform	Recent Advances in Cyber Security	4	08/12/2023
9628	Thanh Binh Nguyen, Duc Dang Khoi Nguyen, Binh Nguyen Le Nguyen and Le Duy Tan	A Machine Learning-Based Anomaly Packets Detection for Smart Home	Recent Advances in Cyber Security	4	08/12/2023
3566	Bui Thi-Mai-Anh and Nguyen Nhat Hai	On the Value of Code Embedding and Imbalanced Learning Approaches for Software Defect Prediction	Software Engineering	4	08/12/2023
6185	Fabian Winkler and Markus Westner	A Systematic Literature Review of DevOps Success Factors and Adoption Models	Software Engineering	4	08/12/2023