MAPR 2024 Conference Agenda

07:45am - 08:15am	**Registration**
08:15am - 08:30am	**Opening and Welcome Addresses** **Welcome Speech**, Prof. Tu-Anh Nguyen-Hoang, UIT, General Co-Chair **Conference Summary**, Prof. Duc-Dung Nguyen, PC Co-Chair
08:30am - 09:15am	**Keynote Talk: Tensor Decomposition and its application for Model Reduction in Neural Networks** **Speaker: Professor Karim Abed-Merain** **(University of Orléans, France)** *Chair: Prof. Thi-Lan Le, HUST*
09:15am - 10:15am	**Coffee Break** **Poster Session - Papers of Session 1A & Session 1B**
10:15am - 11:00am *7 mins/paper presentation - including Q&A*	**Session 1A: Object Detection** *Chair: Prof. Thanh-Hai Tran, HUST* 1. 56 - An Approach of Generating Synthetic Data in Military Camouflaged Object Detection 2. 49 - Detecting Omissions in Geographic Maps through Computer Vision 3. 74 - Weakly Supervised Object Detection Using Class Activation Map 4. 55 - Controllable Base Class Synthesis with Generative Diffusion Model for Few-Shot Object Detection 5. 80 - H2P_PKD: Progressive Training Pipeline with Knowledge Distillation for Lightweight Backbones in Pedestrian Detection 6. 26 - The U-ReACH Model for Ship Detection over Satellite Imagery

11:00am - 12:00pm *7 mins/paper presentation - including Q&A*	**Session 1B: Language & Speech** *Chair: Prof. Thanh-Duc Ngo, UIT* 1. 7 - ViNSV at UIT Data Science Challenge 2023: Advancing Vietnamese Fact Extraction and Verification through Multi-Stage Text Ranking 2. 20 - Systematic Evaluation of Language Characteristic and Data Enrichment in Text-based Person Search 3. 79 - Enhancing Biomedical Entity Normalization Through Re-Ranking Based on Convolutional Neural Network 4. 25 - Exploring Multimodal Sentiment Analysis Models: A Comprehensive Survey 5. 45 - Exploring Low-Resource Machine Translation: Case Study of Lao-Vietnamese Translation 6. 82 - GVEC: A Vietnamese Large Language Models Chatbot For Economy, Using Vietnamese Economy Information Database (VEID) From VnEconomy Community 7. 39 - TINST-Net: A Novel Neural Style Transfer using Mixture of Text and Image
12:00pm - 02:00pm	**Lunch Break**
02:00pm - 02:20pm	**Industry Talk: AI in Business: A Double-Edged Sword** **Speaker: Dr Tai Huynh** **(CEO - Kyanon Digital, Vietnam)** *Chair: Prof. Thanh-Phuong Nguyen, UTLN*
02:20pm-03:30pm	**Coffee Break** **Poster Session - Papers of Session 1C & Session 1D & Session 1E**
03:30pm - 04:15pm *7 mins/paper presentation - including Q&A*	**Session 1C: Deep Learning** *Chair: Prof. Hai Vu, HUST* 1. 52 - InstSynth: Instance-wise Prompt-guided Style Masked Conditional Data Synthesis for Scene Understanding 2. 53 - FA-YOLOv9: Improved YOLOv9 Based on Feature Attention Module

	3. 54 - FedNTProto: A Prototype-Based Approach for Personalized Federated Learning
	4. 67 - Contrastive Learning with Weakly Pair Images for Traffic Image Deraining
	5. 69 - Evaluating the Adversarial Robustness of Evolutionary Neural Architecture Search
	6. 48 - Attacking Forgery Detection Models Using a Stack of Multiple Strategies
04:15pm - 04:45pm *7 mins/paper presentation - including Q&A*	**Session 1D: Segmentation and Recognition** *Chair: Prof. Thanh-Duc Ngo, UIT* 1. 15 - Rethinking LLM-based Text-to-Image as Data Augmentation for Indoor Scene Recognition 2. 21 - ICViT: Integrated Framework for Complexity Reduction in Vision Transformer 3. 57 - TF-SASM: Training-free Spatial-aware Sparse Memory for Multi-object Tracking 4. 10 - Masked Face Recognition on Limited Training Data
04:45pm - 05:20pm *7 mins/paper presentation - including Q&A*	**Session 1E: Multimedia Applications** *Chair: Prof. Thi-Lan Le, HUST* 1. 9 - VISA: Video Interactive Search with Advanced Visual Programming 2. 29 - Enhancing Sequential Recommendation System for MOOCs Based On Heterogeneous Information Networks 3. 77 - Towards Transparent Spam Detection: SentinelCall - A Distributed Ledger Solution for Call Filtering 4. 6 - Evaluation of Image Matching for Art Skills Assessment 5. 64 - A Multi-Input Bi-LSTM Autoencoder Model with Wavelet Transform for Air Quality Prediction
06:00pm - 09:00pm	**Gala Diner** **Best Paper Awards** *Chair: Prof. Duc-Dung Nguyen, VAST*

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<tr><td colspan="2">August 16th, 2024
Place: Melia Danang Beach Resort</td></tr>
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<td>08:30am - 09:15am</td>
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Keynote Talk: TBA

Speaker: Professor KC Santosh

(University of South Dakota, USA)

Chair: Prof. Thanh-Hai Tran, HUST

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<td>09:15am - 10:15am</td>
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Coffee Break

Poster Session - Papers of Session 2A & Session 2B

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10:15am - 11:05am

7 mins/paper presentation - including Q&A

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Session 2A: AI-Powered Healthcare

Chair: Prof. Hai Vu, HUST

1. 78 - RotCAtt-TransUNet++: Novel Deep Neural Network for Sophisticated Cardiac Segmentation
2. 43 - Explainable Optimizing Knee Osteoarthritis Diagnosis: Leveraging Multi-label Learning and Clinical Features for Enhanced Accuracy
3. 31 - Tensor Kernel Learning for Classification of Alzheimer's Conditions using Multimodal Data
4. 44 - BKSeg-Net: Segmentation of Ovarian Tumors from Ultrasound Images with Boundary Keypoints Loss
5. 19 - Brain Tumor Segmentation in MRI Images with 3D U-Net and Contextual Transformer
6. 38 - Lightweight Brain Tumor Diagnosis via Knowledge Distillation
7. 23 - A Method for Ovarian Tumor Segmentation based on Segment Anything Model

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11:05am - 11:55am

7 mins/paper presentation - including Q&A

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Session 2B: AI Security Solutions

Chair: Prof. Minh-Triet Tran, HCMUS

1. 84 - Document Similarity with Bipartite Graph Matching for Cheapfake and Fake News Detection
2. 72 - AI-Enhanced Photo Authenticity: A User-Focused Approach to

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	Detecting and Analyzing Manipulated Images 3. 42 - User Privacy Risk Analysis within Website Privacy Policies 4. 58 - An Empirical Study on The Impact of Graph Representations for Code Vulnerability Detection Using Graph Learning 5. 63 - An Automated Benchmarking Framework for Anomaly-based Intrusion Detection Systems 6. 18 - Evaluation of Command and Speaker Recognition on Vietnamese Voice Dataset to Enhance Security 7. 83 - A Multimodal Windows Malware Detection Method Based on Hybrid Analysis and Graph Representations
11:55am - 12:00pm	**Closing Ceremony** *Prof. Duc-Dung Nguyen, VAST*
12:00pm - 14:00pm	**Farewell Lunch**