

# MAPR 2023 Conference Agenda (Tentative)

October 5<sup>th</sup>, 2023  
Place: FLC Luxury Hotel Quy Nhon

07:45am - 08:15am	<b>Registration</b>
08:15am - 08:30am	<b>Opening and Welcome Addresses</b> <b>Welcome Speech</b> , Prof. Tu-Anh Nguyen-Hoang, UIT, General Co-Chair <b>Conference Summary</b> , Prof. Duc-Dung Nguyen, PC Co-Chair
08:30am - 09:15am	<b>Keynote 1: Unlocking the Full Potential of AI in Video Surveillance: Overcoming Cost and Accuracy Challenges</b> <b>Speaker: Professor Minh Hoai</b> (Computer Science Department, Stony Brook University, USA) <i>Chair: Prof. Duc-Thanh Ngo, UIT, Vietnam</i>
09:15am - 10:30am	<b>Coffee Break</b> <b>Poster Session - Papers of Session1-A &amp; Session1-B</b>
10:30am - 11:15am <i>7 mins/paper presentation - including Q&amp;A</i>	<b>Session 1-A: Object Detection and Recognition</b> <i>Chair: Prof. Thanh-Hai Tran, SEEE, HUST</i> <ol style="list-style-type: none"><li>ViT-FFrCnt: A Few-shot Fruit Counting Approach with Multiscale Vision Transformer</li><li>An Adaptive-Hierarchical Loss For Taxonomic Labels And Its Application For Plant Identification</li><li>Foveabox With Consistent Label Assignment Distillation For Page Object Detection</li><li>A Robust Multiple Honeybee Tracking Method From Videos Captured At Beehive Entrance</li><li>Comparative Of Object Detection Models For Abnormality Detection On Spinal X-Ray Images</li></ol>

	6. Light-Weight Sketch Recognition With Knowledge Distillation
11:15am - 11:50pm <i>7 mins/paper presentation - including Q&amp;A</i>	<p><b>Session 1-B: Multimedia Analysis</b></p> <p><i>Chair: Prof. Hai Vu, SEEE, HUST</i></p> <ol style="list-style-type: none"> <li>1. Attention Pooling For Beta Wavelet Filters In Anomaly Classification With Graph Neural Network</li> <li>2. The Impact Of Using Morphological Operators With Enhancement Techniques</li> <li>3. Robust Classification Of Similar Yoga Poses Based On Grouping And Hierarchical Inference</li> <li>4. A Comparative Study Of Computational Methods For Multimodal Single-Cell Data Integration</li> <li>5. A Transformer-Based Approach For Dynamic Referee Assistance</li> </ol>
12:00pm - 02:00pm	<b>Lunch Break</b>
02:00pm - 02:45pm	<p><b>Keynote 2: DeepIP: Intellectual Property Protection for Deep Learning Model</b></p> <p><b>Speaker: Professor Chan Chee Seng</b> (Universiti Malaya (UM), Kuala Lumpur, Malaysia)</p> <p><i>Chair: Prof. Duc-Dung Nguyen, VAST, Vietnam</i></p>
02:45pm-04:00pm	<p><b>Coffee Break</b></p> <p><b>Poster Session - Papers of Session1-C &amp; Session AI4SEC</b></p>
04:00pm - 04:45pm <i>7 mins/paper presentation - including Q&amp;A</i>	<p><b>Session 1-C: Language and Vision</b></p> <p><i>Chair: Prof. Ngan Luu-Thuy Nguyen, UIT</i></p> <ol style="list-style-type: none"> <li>1. Information Extraction from Rich Text Images with RoBERTa and LION Optimizer</li> <li>2. BARTPhoBEiT: Pre-trained Sequence-to-Sequence and Image Transformers Models for Vietnamese Visual</li> </ol>

	<p>Question Answering</p> <ol style="list-style-type: none"> <li>3. A Method For Text-Based Person Search In Vietnamese Language Based On Correlation Filtering</li> <li>4. Data Augmentation With Large Language Models For Vietnamese Abstractive Text Summarization</li> <li>5. PAT: Parallel Attention Transformer for Visual Question Answering in Vietnamese</li> <li>6. Efficient Finetuning Large Language Models For Vietnamese Chatbot</li> </ol>
<p><b>04:45pm - 05:30pm</b></p> <p><i>7 mins/paper presentation - including Q&amp;A</i></p>	<p><b>Special Session AI4SEC</b></p> <p><i>Chair: Prof. Minh-Triet Tran, University of Science &amp; John von Neumann Institute, VNU-HCM.</i></p> <ol style="list-style-type: none"> <li>1. On The Effectiveness Of Transferability Of Adversarial Android Malware Samples Against Learning-Based Detectors</li> <li>2. AANet: Motorcycle Reid Using Multi-Atrous Convolution And Self-Attention Mechanisms</li> <li>3. MalDEX: An Explainable Malware Detection System Based On Ensemble Learning</li> <li>4. Unmasking Illusion Of Daily-Used Deepfake Applications Through Landmark Focused Image</li> <li>5. Leveraging Deep Learning And Knowledge Distillation For Enhanced Traffic Anomaly Detection In Transportation Systems</li> <li>6. Unmasking The Artist: Discriminating Human-Drawn And AI-Generated Human Face Art Through Facial Feature Analysis</li> </ol>
<p><b>06:00pm - 09:00pm</b></p>	<p><b>Gala Diner</b></p> <p><b>Best Paper Awards</b></p> <p><i>Chair: Prof. Duc-Dung Nguyen, VAST, Vietnam</i></p>

<p><b>08:30am - 09:15am</b></p>	<p><b>Keynote 3: Research Overview of the AIRC in Japan</b></p> <p><b>Speaker: Professor Junichi Tsujii (Artificial Intelligence Research Center, National Institute of Advanced Industrial Science and Technology (AIST), Japan)</b></p> <p><i>Chair: Prof. Ngan Luu-Thuy Nguyen, UIT</i></p>
<p><b>09:15am - 10:30am</b></p>	<p><b>Coffee Break</b></p> <p><b>Poster Session - Papers of Session2-A &amp; Session AIEHS</b></p>
<p><b>10:30am - 11:20am</b></p> <p><i><b>7 mins/paper presentation - including Q&amp;A</b></i></p>	<p><b>Session 2-A: Segmentation and Recognition</b></p> <p><i>Chair: Prof. Thanh-Phuong Nguyen, Toulon, France</i></p> <ol style="list-style-type: none"> <li>1. Masked Face Recognition Using EUM Feature Extraction from Unobstructed Region</li> <li>2. ViQP: Dataset For Vietnamese Question Paraphrasing</li> <li>3. CE-OST: Contour Emphasis For One-Stage Transformer-Based Camouflage Instance Segmentation</li> <li>4. CASQ: Enhancing Human-Object Interaction Detection Via Supplementary Semantic Information For Interaction Queries</li> <li>5. HTC-BI: Hybrid Task Cascade with Boundary Information for Instance Segmentation</li> <li>6. Memory-Driven Region Contrast For Enhanced Polyp Semantic Segmentation</li> <li>7. Evolving Prompts For Synthetic Image Generation With Genetic Algorithm</li> </ol>

<p><b>11:20am - 11:50am</b></p> <p><i><b>7 mins/paper presentation - including Q&amp;A</b></i></p>	<p><b>Special Session AIEHS</b></p> <p><i>Chair: Prof. Minh-Son Nguyen, UIT</i></p> <ol style="list-style-type: none"> <li>1. Intelligent Attendance System: Combining Fusion Setting With Perfect Similarity Measure For Face Recognition</li> <li>2. An Embedded System For Non-Invasive Glucose Monitoring</li> <li>3. TwinLiteNet: An Efficient And Lightweight Model For Driveable Area And Lane Segmentation In Self-Driving Cars</li> <li>4. AI Accelerator Design To Optimize Power Consumption For Smart Camera</li> </ol>
<p><b>11:50am - 12:00pm</b></p>	<p><b>Closing Ceremony</b></p> <p><i>Prof. Duc-Dung Nguyen, VAST</i></p>
<p><b>12:00pm - 14:00pm</b></p>	<p><b>Farewell Lunch</b></p>