

## Conference Program

**Day 1: Tuesday, March 10, 2026**

**Industrial Session 1: 8:00 AM – 11:30 AM (ONSITE)**

**Topic: Advanced AI, Data Science & Machine Learning Applications at Edison Hall**

**Chair:** Senior. Assoc. Prof. Kim Phuc Tran

**Co-chair 1:** Prof. Dr. Habil. Xianyi ZENG

**Co-chair 2:** Prof. Dr. Habil. Ludovic KOEHL

Time Schedule	Activity / Paper Title	In charge
8:00 – 8:20 AM	<i>Delegates Welcoming</i> , Opening Remarks, Statement of the conference purpose , Opening speech	
8:20 – 9:00 AM	Technology for Health and Wellbeing in the Workplace	Keynote Speaker: Prof. Dr. Habil. Xianyi ZENG
10:00 - 10:20 AM	Multimodal large language models for Recycling Classification	Ludovic KOEHL
10:20 – 10:40 AM	Development of a deep-learning model for the detection of large cerebral vessel occlusions	Thi Loan Phuong Nguyen
10:40 – 11:00 AM	End-to-End License Plate Recognition using YOLO-RVT: A Recurrent Vision Transformer-Based Framework for Accurate Sequence Prediction	Manh-Huy Dang
11:00 – 11:15	<i>Tea Break (10 Minutes)</i>	
11:15 – 11:35 AM	Toward robust and frugal AI Models for capture and analysis of Physiological Signals	Ludovic KOEHL
12:00 – 13:30	<i>Lunch</i>	

**Technical Session 2: 14:00 – 17:00 (ONSITE)**

**Topic: Smart Health, Smart Education and Smart Manufacturing at Edison Hall**

**Chair:** Prof. Dr. Habil. Ludovic KOEHL

**Co-chair 1:** Prof. Dr. Habil. Xianyi ZENG

**Co-chair 2:** Prof. Dr. Habil. Sébastien Thomassey (online)

**Co-chair 3:** Assist. Prof. Kim Duc Tran

<b>Time Schedule</b>	<b>Activity / Paper Title</b>	<b>In charge</b>
2:00 – 2:20 PM	Generative AI in Higher Education: An Interaction-Based Framework for Understanding Gemini Adoption	Duc Tho Le
2:20 – 2:40 PM	Research on a Mathematical Model for Optimal Logistics Human Resource Allocation: A Case Study of Viet Nam	Danh Nguyen
2:40 – 3:00 PM	Responsible Interpretability: Graph-Integrated Concept Bottleneck Models for Lung Nodule Classification	Manh-Huy Dang
3:00 – 3:20 PM	Development of a deep-learning model for the detection of large cerebral vessel occlusions	Thi Loan Phuong Nguyen
3:20 – 3:40 PM	Responsibility of Human-Robot Collaboration to Inclusive Green Growth with the Mediating Role of Circular Economy Entrepreneurship	Pham Quang Huy
3:40 – 4:00 PM	Adaptive-TranAD: Online Test-Time Adaptation for Non-Stationary Multivariate Time Series Anomaly Detection	Viet Hieu TRAN
4:00 – 4:10 PM	<i>Tea Break (10 Minutes)</i>	
4:10 – 4:30 PM	ToM-MAS: An Auditable Benchmark for Theory-of-Mind Multi-Agent Systems with Graph Memory	Manh-Huy Dang
4:30 – 4:50 PM	Beyond Optimization: A Bio-Cybernetics Framework for Responsible Personalized Learning Through Graph-Cognitive Knowledge Trees and Cognitive Homeostasis	Thanh Thang Tran
4:50 – 5:10 PM	Physics-Guided Neural Networks for pressure prediction in Medical compression stockings	Kim Duc Tran
5:10 – 5:30 PM	Improving CNN Generalization via Late-Epoch Post-Training Weight Averaging	Minh-Dung Le

**Day 2: Wednesday, March 11, 2026**

**Technical Session 3: 8:00 AM – 11:00 AM (ONSITE) Topic: Smart Economics & Smart Manufacturing at Edison Hall**

**Chair:** Senior Assoc. Prof. Laëtitia ROUX

**Co-chair 1:** Prof. Dr. Habil. Frederic VANDERHAEGEN

**Co-chair 2:** Assist. Prof. Kim Duc Tran

<b>Time Schedule</b>	<b>Activity / Paper Title</b>	<b>In charge</b>
8:00 – 8:20 AM	A multi-factor integration model for event recommendation	Nguyen Xuan Hai
8:20 – 8:40 AM	Exploring the Integration of Artificial Intelligence in Human Resources Management: Challenges, Opportunities, and Ethical Considerations in University settings	Nguyen Anh Luong
8:40 – 9:00 AM	Enhanced imaging performance in confocal scanning fluorescence microscopy using two-beam illumination with square-root subtraction	Van Nhu Le
9:00 – 9:20 AM	Optimizer Dynamics in Imbalanced Image Classification: Impacts on Minority-Class Learning	Phi-Hung Hoang
9:20 – 9:40 AM	Anomaly Detection and Fault Classification of Rolling Bearings Using Vibration Signals: Toward Approach on Edge Devices in Industry	Hoang Le Nguyen
9:40 – 10:00 AM	Human-Centered AI for English Writing Assessment: Balancing Automated Scoring and Teacher Judgment	Trang Dang
<i>10:00 – 10:10 AM</i>	<i>Tea Break (10 Minutes)</i>	
10:10 – 10:30 AM	Examine the impacts of AI on job displacement: a reviews on recent studies	Pham Ngoc Lam Huynh (online)
10:30 - 10:50 AM	An Explainable Attention-Based Deep Learning Framework for Pediatric Heart Murmur Screening Using Phonocardiograms	Vu Thi Hanh (online)

10:50 - 11:10 AM	Exploring Jailbreak Attacks Against LLMs	Chenchen Zheng (online)
11:10 - 11:30 AM	An ensemble learning framework for gallstone disease prediction with genetic algorithm based feature selection	Thi Thuy Duong Vu (online)
11:30 - 11:50	AI-Powered Speech Synthesis for Accessible Learning: A Multilingual Approach for Visually Impaired Students in Open Universities	Bao Anh Lam (online)
11:50 AM – 1:00 PM	<i>Lunch</i>	

**Technical Session 4: 14:00 – 17:00 (ONLINE)**

**Topic: Societal Impact, Healthcare AI, Trustworthy & Secure AI and Industrial & Applied AI and Data Science**

**Chair:** Prof. Dr. Habil. Ludovic KOEHL

**Co-chair 1:** Prof. Dr. Habil. Sébastien Thomassey

**Co-chair 2:** Senior Assoc. Prof. Laëtitia ROUX

**Co-chair 3:** Senior. Assoc. Prof. Kim Phuc Tran

<b>Time Schedule</b>	<b>Activity / Paper Title</b>	<b>In charge</b>
2:00 – 2:20 PM	Unified Benchmarking of Underwater Image Enhancement Models	Dac Phuong Thao Nguyen (online)
2:20 – 2:40 PM	DEM-Compatible Physics-Informed Neural Networks for Temperature Prediction in Selective Laser Melting	Duc Hieu Nguyen (online)
2:40 – 3:00 PM	Enhancing Vietnamese Toxic Speech Detection with Controlled Synthetic Data Generation from Large Language Models	Thi Yen Linh Nguyen (online)
3:00 – 3:20 PM	An Explainable Hybrid Deep Learning Framework for Multi-Label ECG Arrhythmia Classification	Vu Thi Hanh (online)

3:20 – 3:40 PM	Development of an IoT Platform for Smart Homes Compatible with Echonet Lite Protocol	Bao Anh Lam (online)
3:50 – 4:00 PM	<i>Tea Break (10 Minutes)</i>	
4:00 – 4:20 PM	An Optimized Soft Voting Ensemble Approach for Heart Disease Prediction	Ha Manh Hung (online)
4:20 – 4:40 PM	DistilPho: A Distilled PhoBERT Model for Efficient Vietnamese Sentiment Analysis	Quang Huy Bui (online)
4:30 – 4:50 PM	Development of a Weld Surface Inspection System Using Deep Learning	Thai Loc Mach (online)
4:50 – 5:10 PM	A Novel Multi-Window Time-Series Forecasting of Major Cryptocurrencies Using Hybrid 1D-CNN–LSTM Framework	Thai Hoan Tran (online)
5:10 – 5:30 PM	Enhancing Adversarial Robustness of EfficientNet Models	Duy Ngoc Nguyen (online)
5:30 – 5:50 PM	Testing a Customer-Centric Brand Model in Digital Environments: The Roles of Customer Data Management, Personalization, and Omnichannel Interaction	Giang Le (online)
5:50 – 6:00 PM	<i>Closing ceremony</i>	
7:00 – 9:00 PM	<i>Gala Dinner at 4U Seafood Restaurant</i>	