

IEA/AIE 2026 — Daily Program | Kuala Lumpur, Malaysia | July 6–8, 2026 | All times: MYT (UTC+8)

★ **Online presenters (all sessions on Wednesday):** #19 Taiwan · #35 Europe · #36 Brazil · #38 Europe · #40 UTC+7 · #43 Germany · #44 UTC-7 · #51 India · #56 UTC+7 · #79 Canada · #105 UTC-4 · #110 Ecuador · #153 Vietnam · #162 Vietnam · #169 Vietnam · #178 USA · #184 Vietnam · #196 China | ★#54 exception: presenter requested Monday morning slot | Regular: 15+5 min | Short: 10+5 min | Keynote: 50+10 min | Registration: 08:00–18:00

Monday, July 6, 2026 — Day 1

Time (MYT)	Room A — Main Hall Mellennium Board Room (level 2)	Room B Mellennium IV, V, VI (Level 2)	Room C Mellennium III (Level 2)
8:00–9:00	Registration (desk open until 15:00)		
9:00–10:00	Opening Ceremony Session Chair: Prof. Hamido Fujita <i>Welcome by General Chairs · Institutional Addresses · Sponsor Recognition · Official announcement of IEA/AIE 2027</i>		
10:00–11:00	Keynote 1 Session Chair: Prof. Ali Selamat <i>"A Universal Scanning Technology using Multi-Modal AI for Industrial Inspection Applications"</i> Prof. Ts. Dr. Mohd Shafry Mohd Rahim , Vice Chancellor, Universiti Teknologi Malaysia		
11:00–11:20	Coffee Break		
11:20–13:00	Ch.3 — Graph Neural Networks & Knowledge Representation (I) Chair: Presenter #70 #25 HTARF-Net: Hybrid Transformer-Attention for Security Threat Classification #70 MMLF-GNNT: Multimodal Late-Fusion GNN for Sequential Recommendation #89 Semantic Adaptive GCN for Body-Part Skeleton Action Recognition #94 Temporal Knowledge Graph Completion: Survey of Models & Benchmarks	Ch.2 — Transformers & Representation Learning (I) Chair: Presenter #155 #155 GRACE-Net: Gated Reliability-Aware Compression for Multimodal Sentiment #158 SiTeBERT: Pose-based Transformer for Isolated Sign Language Recognition #177 Mitigating Long-Context Bottleneck: Prompt Compression for Vietnamese HRI #206 LLM-based Multi-agent Framework for Use Case Diagrams Generation	Ch.1 — LLMs & Prompting (I) Chair: <i>Dr. Syarifah Zyrina Binti Nordin</i> #29 LLM-PSO: LLM Assisted Particle Swarm Optimization #47 Symbolic Knowledge Graph for Spatiotemporal Traffic with LLMs #48 Short Prompts, Long Replies: Alignment in Human-AI Dialogue ★ #54 Multimodal LLMs to Support Usability Evaluation (exception: Mon 8:00–13:00 MYT ✓)
13:00–14:30	Lunch Break (90 min)		
14:30–16:10	Ch.1 — LLMs & Prompting (II) Chair: Presenter #124 #124 Hallucination Mitigation in Multilingual LLMs: RAG & Knowledge Graphs #137 Integrating WGAN-GP Imputation with Broad Learning System for Time-series Rainfall Prediction #128 Multimodal LLMs for Educational VQA: Vietnamese Reasoning Systems #186 JEPa-Chain Engineering Framework for Blockchain Optimization	Ch.2 — Transformers & Representation Learning (II) Chair: <i>Dr. Siti Nur Khadijah Aishah Binti Ibrahim</i> #193 Transformer-Based Classification of Illicit Darknet Marketplace Products #120 Graph RAG Language Model for Vietnamese Law Question Answering #163 Towards Explainable Detection of Human-Machine Texts #87 The Paradigm Shift in Event Extraction: Overview with LLMs	Ch.4 — Generative Models & Diffusion (I) Chair: Presenter #179 #179 Zero-Shot VQA via Iterative Clarifying Questions on Ambiguous Objects #176 Contrastive Learning + LLM Assisted Linkage to HIV Care (ED Patients) #67 Credit Risk Digital Twin with XAI & Counterfactual Simulation #92 Explainable AI for ML Reliability in Industrial Cyber-Physical Systems
16:10–16:30	Coffee Break		
16:30–18:00	Ch.4 — Generative Models & Diffusion (II) Chair: <i>Dr. Neo Chin Chea</i> #76 Conditional Diffusion Model for Satellite Image Cloud Removal #106 IM-WGAN: Improved WGAN Architecture for Zero-Day Botnet Detection #187 Interpretability TabNet: Entmax Stability Masking for Tabular DL #109 Benchmarking Local XAI Against TreeSHAP for Diabetes Prediction	Ch.5 — Explainable & Trustworthy AI (I) Chair: Presenter #113 #113 NEM: Numerical Exact Match Metric for Explainable Specialized Chatbots #119 Adaptive Conformal Prediction for Explainable Medical Image Classification #180 Unified Lightweight Deep Learning Model for Multi-Crop Disease Detection	Ch.5 — Explainable & Trustworthy AI (II) / Ch.7 Chair: Presenter #31 #31 Repositioning Dehazing: Feature-Consistent Augmentation for Object Detection #69 LiteVLA-MS: Resolving Motion Under-Specification in Lightweight VLA Models #100 Multi-view Neuro-Symbolic Approach for Facial Action Unit Recognition

		[Short] #159 Real-Time Adaptive Sign Language Translation (CV + Intelligent Agents)	#104 Secure UWB Real-Time Positioning System for Industrial IoT
Tuesday, July 7, 2026 — Day 2			
Time (MYT)	Room A — Main Hall Mellennium Board Room (level 2)	Room B Mellennium IV, V, VI (Level 2)	Room C Mellennium III (Level 2)
8:00–9:00	Registration (desk open until 15:00)		
9:00–10:00	Room A — Main Hall Keynote 2 Session Chair: Prof. Masitah Ghazali <i>"Is Industry Ready for AI? Bridging the Gap Between Promise and Reality?"</i> Associate Prof. Guido Guizzi , University of Naples Federico II, Italy		
10:00–10:20	Coffee Break		
10:20–12:00	Ch.5 — Explainable & Trustworthy AI (III) Chair: Presenter #45 [Short] #151 Explainable Ensemble CNN for Shrimp Disease Diagnosis #45 Advancing ADMET Prediction via Biological Readacross Multitask Learning #55 AI-Driven Surrogate Models for Lithium-Ion Battery Discharge Behavior #173 Benchmarking CNN Architectures for Lipomatous Tumor Classification	Ch.6 — Healthcare & Biomedical AI (I) Chair: Presenter #71 #71 Doubly Robust Policy Learning for Major Recommendation in IT Education #147 IoT-Based Intelligent Blood Pressure Monitoring for HDP: A Review #167 Local RAG-Based Intelligent Tutoring System for Domain-Specific Education #84 Deep Learning for Counting Bus Passengers on Low-energy Edge Devices	Ch.8 — Industry, Manufacturing & Fault Diagnosis (I) Chair: Presenter #33 #33 Fault Detection in Building HVAC Systems: Rule-Based vs ML #83 Transformer-based State Encoding for Deep RL Scheduling in HPC #85 Adaptive Coordination in Multi-Agent Systems (RL + Couzin-Leader) #102 Spectral Fault Receptive Fields: MATLAB Toolbox for Rotating Machinery
12:00–13:30	Lunch Break (90 min)		
13:30–15:10	Ch.6 — Healthcare & Biomedical AI (II) Chair: Presenter #208 #208 Energy-Guided Prompting for Segment Anything Model (PoI Detection) #185 FetalHeart AI: Self-Supervised Framework (I-JEPA + V-JEPA 2) for CHD #181 Energy-Based Fair Recommendations: Contrastive Learning + Energy Statistics #184 Partial Distance Correlation for Confounding-Aware Video Captioning	Ch.9 — Security, Privacy & Trustworthy AI (I) Chair: <i>Assoc. Prof. Ts. Dr. Masitah binti Ghazali</i> #160 Industrial Visual Anomaly Detection in Robotics: Methods & Datasets #57 Security Intelligence Model for Cloud-IoT with Federated LSTM #59 Unsupervised SEC Form 4 Footnote Change Detection (Sentence Transformer) #103 SaltGuard: Reproducible System for Salinity Intrusion Analysis (Mekong)	Ch.9 — Security, Privacy & Trustworthy AI (II) Chair: Presenter #135 #135 XC-IDS: Concept-Based Explainable Intrusion Detection (TCAV + MITRE) #161 MAHAN: Memory-Aware Hybrid Attention for Obfuscated Malware Detection #168 Multimodal Feature Fusion for Portable Executable Malware Classification [Short] #195 E-ICSRA: Enhanced Cybersecurity Framework for Industrial Control Systems
15:10–15:40	Coffee Break		
15:40–17:40	★ BEST PAPER AWARD SESSION <i>Session Chair: General Chairs · Springer Awards</i> #152 Query-Guided Multimodal Attention for Traffic Surveillance Video Captioning #172 From Black-Box to Glass-Box: XAI Across the Software Dev Life Cycle #136 Shape-Aware Compression of Streaming Data: Online Dynamic Polynomial	Ch.10 — Reinforcement & Multi-Agent Learning (I) Chair: Presenter #46 #46 Multi-Agent RL with Self-Attention for Multi-Stock Portfolio Trading #53 MOD my Catalog: Adopting the MOD-API in TOOL #80 Scalable Framework for Entity Resolution and Corporate Network Inference [Short] #130 Testing RL Applications with Test Suites from Ontologies	Ch.10 — Reinforcement & Multi-Agent Learning (II) Chair: Presenter #150 [Short] #115 Stability & Convergence in Graph-Based Chess RL #150 Agentic RAG-Based LLM System for Medicine Recommendation #197 Deep RL for Hoist Scheduling in Electroplating Lines: Proof of Concept #209 Formation Over Retrieval: The Living Reference as Persistent Presence (6p)

Wednesday, July 8, 2026 — Day 3 ★ All online presentations

Time (MYT)	Room A MellenniumVIII (level 3)	Room B Mellennium IX (Level 3)	Room C Mellennium X (Level 3)
8:00–10:20	Registration (desk open until 15:00)		
10:20–12:00	<p>Ch.8 — Industry & Fault Diagnosis / Ch.11 Chair: Presenter #62</p> <p>[Short] #32 Deep CNN Comparison for Rice Disease Identification #62 Extracting Travel Time from GPS Data for Public Bus (Ho Chi Minh City)</p> <p>#148 Urban Planning Framework with Multi-Agent Systems + Vision Language Models</p> <p>#96 Adaptive Temporally-Aware Action Quality Assessment: Prototype Learning</p>	<p>Ch.10 — Reinforcement & Multi-Agent Learning (III) Chair: Assoc. Prof. Ir. Ts. Dr. Azura Binti Hamzah</p> <p>★ #56 Adaptive Heterogeneous Soft Island Models for Population-Based Optimization (UTC+7)</p> <p>#68 Rapid Robot Deployment through One-Shot Learning from Demonstration #72 From Assistant to Agent: State-Aware VLM for Human-Robot Collaboration</p> <p>★ #110 An AI-Powered Exoskeleton for Upper-Limb Rehabilitation (Ecuador, UTC-5)</p>	<p>Ch.11 — Machine Learning Methods & Evaluation (I) Chair: Dr. Nurul Hanis Azhan</p> <p>★ #44 Uncertainty-Aware Ensemble for Predicting IT Graduates' GPA (UTC-7) #138 Context- and Exposure-Conditioned User-State Signals in 3D Simulations</p> <p>#170 A Performance Study of Online Missing Value Imputation Techniques</p> <p>★ #105 Q-Fidelity: Hybrid Quantum-Classical Anomaly Detection (MVTec AD 2) (UTC-4)</p>
12:00–13:30	Lunch Break (90 min)		
13:40–15:20	<p>Ch.11 — ML Methods & Evaluation (II) / Ch.6 Chair: Ts. Dr. Liyana 'Adilla Binti Burhanuddin</p> <p>#19 New Score Function for Ranking Interval-Valued Intuitionistic Fuzzy Values</p> <p>★ [Short] #93 Adaptive Conditional-Residual Deep Video Coding (Pixel-wise Masks)</p> <p>★ #51 Reliable Uncertainty-Aware Cyberattack Detection in Smart Grids (India, UTC+5:30)</p> <p>★ #178 Quantum-Enhanced Multimodal GenAI for Early Disease Detection (USA)</p>	<p>Ch.12 — Adaptive Learning & Contrastive Methods (I) Chair: Dr. Muhammad Hisyam bin Rosle</p> <p>★ #183 MC-JEPA-Hybrid: OWA + Choquet for Multi-Criteria Recommendations</p> <p>★ #169 Improving ASD Gait Recognition with Normalized Skeleton + Dynamic Features (Vietnam, UTC+7)</p> <p>#191 Discourse Modeling and Corpus Compliance for Drone-ATC Interactions</p> <p>★ #162 Physical Layer Security of NOMA Networks with Energy Harvesting & IRS (Vietnam, UTC+7)</p>	<p>Ch.1 — LLMs / Ch.8 — Industry Chair: Dr. Zatul Alwani Shaffiee</p> <p>★ #153 Emerging Trends and Challenges Toward LLM Agents in Static Analysis (Vietnam, UTC+7)</p> <p>★ #38 Saving Energy with Compiler Autotuning (Europe, UTC+2)</p> <p>★ #40 Self-Supervised Magnetic Fault Diagnosis in PMSMs (Self2Self+) (UTC+7)</p> <p>★ #36 FAIR-Aligned Data Engineering for ML-Ready Cancer Mortality Surveillance (Brazil, UTC-3)</p>
15:20–15:40	Coffee Break		
15:40–17:30	<p>Ch.12 — Adaptive Learning (II) Chair: Dr. Nur Farhana Hordri</p> <p>#190 Lightweight Feature Extraction for Real-Time Sensor Fault Detection</p> <p>#204 Architecture for Triadic Empathic Social Agents (Theory of Mind)</p> <p>★ #43 Comparing Weight Aggregation in Group Decision Analysis (Germany, UTC+2 → 07:30 local ✓)</p>	<p>Ch.13 — Fuzzy Systems, Optimization & Emerging Applications (I) Chair: Presenter #99</p> <p>#99 Fuzzy-DJSF: Adaptive Scheduling for Uncertainty in Hadoop YARN Clusters</p> <p>#101 AI-Based System for Automatic Backlog Generation from Requirement Documents</p> <p>[Short] #127 RAMR: Reliability-Aware Multimodal Framework for Image Recommendation</p> <p>#131 Computing Distribution of Traces of a Business Process by their Lengths</p>	<p>Ch.13 — Fuzzy & Emerging Applications (II) ★ Online Focus Chair: Dr. Nur Afiqah Suzelan Amir</p> <p>#141 ML for Predicting Ciprofloxacin Adsorption (Biochar-Fe3O4-Chitosan)</p> <p>[Short] #194 A New Blockchain Framework For A Fall Detection System</p> <p>★ #196 CAD Agent Construction Framework Driven by Geometric Constraint Chains (China, UTC+8)</p> <p>★ [Short] #79 Hybrid Generative Architecture for Fungi Segmentation (Canada, UTC-3)</p>

★ #35 LLM-Powered Compiler Autotuning <i>(Europe, UTC+2 → 07:30 local ✓)</i>		
17:30–17:50	Closing Ceremony Session Chair: Prof. Hamido Fujita <i>Best Paper Awards · Official Announcement of IEA/AIE 2027</i>	
Notes: ★ All online presenters (except #54) are scheduled on Wednesday July 8. #54 exception: presenter explicitly requested Monday 8:00–13:00 MYT. Virtual make-up session: Wednesday, July 8, 2026 (online only) — for any presenter unable to connect on the day; details by email. <i>Session Chairs marked TBD — to be confirmed by organizers.</i>		

Chapter Reference			
Ch.1	Large Language Models and Prompting	Ch.8	Industry, Manufacturing and Fault Diagnosis
Ch.2	Transformers and Representation Learning	Ch.9	Security, Privacy and Trustworthy AI
Ch.3	Graph Neural Networks and Knowledge Representation	Ch.10	Reinforcement and Multi-Agent Learning
Ch.4	Generative Models and Diffusion	Ch.11	Machine Learning Methods and Evaluation
Ch.5	Explainable, Trustworthy and Uncertainty-Aware AI	Ch.12	Adaptive Learning and Contrastive/Energy-Based Methods
Ch.6	Healthcare and Biomedical AI	Ch.13	Fuzzy Systems, Optimization and Emerging Applications
Ch.7	Smart Systems, IoT and Computer Vision Applications		

Notice 1: On July 6 from hour 18:30 there is a Banquet Dinner at the same avenue for those who selected to purchase this option during the registration procedure. It is optional of 85 US\$ per person pre-booking-arrangement. If you have missed to add such option contact the general Chair on email: hfujita@i-somet.org

Notice 2: There are four best papers nominations awards, #136, #137, #152, #172