

ICGEC 2026 — Conference Program

Nov. 4 (Day 1) — Online & Onsite

Time	Paper ID	Title / Item	Authors / Speaker
10:00–12:00		Online Test (Online)	
13:00–16:00		Onsite Registration & Materials Collection (Onsite) — Location: Lobby	

Nov. 5 (Day 2) — Onsite

Location: 5F-VEE02

Time	Paper ID	Title / Item	Authors / Speaker
08:10–09:00		Onsite Registration & Materials Collection (Onsite) — Location: VEE02 Doorway	
09:10–09:15	Opening	Opening Remarks	Conference General Chair
09:15–10:00	Keynote 1	Information Hiding in AMBTC Image Compression: A Genetic Algorithm Approach	Prof. Chin-Chen Chang, Feng Chia University, Taiwan
10:00–10:45	Keynote 2	AI Impact on Daily Lives and Its Outlook	Prof. Charles C. Nguyen, The Catholic University of America, U.S.A.
10:45–11:00		Coffee Break	
11:00–11:45	Keynote 3	Building a Linguistic Regression Model under Multiple Uncertainties	Prof. Junzo Watada, Shimonoseki City University, Japan
11:45–13:30		Lunch (You can have your lunch box in the VEE02 or outside the venue)	

Room A — Session A1: Tracks 1–3: Genetic & Evolutionary Computing, Hybrid Intelligence & Big Data (Onsite, 13:30–15:00)

Chair: Ke-Ke Sun

13:30–13:45	11	Multiobjective Linear Ordering Problem for the WEFE Nexus	Chiara Biscarini; Fabrizio Fagiolo; Tommaso Pacetti; Ottavio Quirico; <i>Valentino Santucci*</i>
13:45–14:00	24	Designing Adaptive AI Chatbots for E-Commerce: A Live Response Approach	Yung-Chin Hsiao; Pei-Chun Lin*; Yi Yu; Eugenius Edward Setiadi; Fang-Chou Hsieh; <i>Xin Ni Chen</i> ; <i>Guan Yu Chen</i> ; Po-Heng Shen; Jack Lin; Shih-Yi Peng
14:00–14:15	25	Toward Trustworthy AI: Learning Trust-Aware Escalation Decisions in Multi-Agent Complaint Handling (Online)	<i>Fang-Chou Hsieh</i> ; Pei-Chun Lin*; Yung-Chin Hsiao; Guan Yu Chen; Xin Ni Chen; Shih-Yi Peng
14:15–14:30	7	Empowering Lightweight Models with Intent-Driven Features for Multi-Class SMS Fraud Detection	<i>Cheng-Che Lee*</i> ; Chia-Pin Cheng; Hsu-Sheng Chang; Chia-Lin Chou
14:30–14:45	20	Synapse-PT: A Coordinated Multi-Agent Framework for Efficient End-to-End Autonomous Penetration Testing	<i>Bo-Rui Lin*</i> ; Chin-Shiuh Shieh; Mong-Fong Horng; Casper Tsai; Denis Miu
14:45–15:00		Session discussion / Tea Break	

Room A — Session A2: Tracks 1 & 4: Genetic & Evolutionary Computing & Computer Vision (Online, 15:00–16:15)

Chair: Valentino Santucci

Time	Paper ID	Title / Item	Authors / Speaker
15:00–15:15	15	A Surrogate-Assisted Particle Swarm Optimization with Elite Dimension Intersection Shrinking for Numerical Optimization	Jeng-Shyang Pan; Shi-Jun Sun; Tien-Szu Pan; Shu-Chuan Chu*
15:15–15:30	16	Cosine-Enhanced Adaptive Differential Evolution and Its Application in Wireless Sensor Network Localization	Jeng-Shyang Pan; Jia-Wei Sun; Ru-Yu Wang; Shu-Chuan Chu*
15:30–15:45	17	Dual-Filtered Pattern Search Differential Evolution for Global Optimization	Jeng-Shyang Pan; Ying-Hao Sui; Shu-Chuan Chu*; Ru-Yu Wang
15:45–16:00	28	A Lightweight YOLOv11s-Based Object Detection Model for Chinese Horseshoe Crab Detection in UAV Aerial Images	Jin-Xuan Zhang; Tao Zhang; Yi-Jui Chiu*; Zi-Ning Lan
16:00–16:15	30	Analysis of Research on Compression Sportswear-Induced Body Surface Pressure Sensation: A CiteSpace-Based Systematic Review	Yi-Xuan Xu; Ke-Ke Sun*; Shu-Min Chen
Room A — Session A2: Lecture 1 (Onsite, 16:15–17:00)			
16:15–17:00	Special Lecture	A Fuzzy Multivariate Approach to Human-Centric Computing and Its Application to Software Engineering	Prof. Junzo Watada, Shimonoseki City University, Japan
18:00–21:00		Banquet — Location: 5F-VEE01	
Parallel Sessions			
Room B — Session A3: Track 2 Fuzzy Systems & Hybrid Intelligence & Track 3 Big Data (Online, 15:00–16:15)			
			<i>Chair: Eric Odle</i>
15:00–15:15	10	An Enhanced LSTM with Rainfall-Guided Memory Control for Dam Inflow Forecasting in Myanmar	Zin May Oo*; Thin Lai Lai Thein; Kanokvate Tungpimolrut; Somsanouk Pathoumvanh; Cheab Sovuthy; Ly Rottana; Toshiyuki Miyachi; Shinsuke Miwa; Shinichi Miyakawa; Jennifer C. Dela Cruz
15:15–15:30	13	Deep Learning Based Region Adaptive Crop Recommendation for Sustainable Agriculture in Myanmar	Theint Theint*; Thin Lai Lai Thein
15:30–15:45	26	ECG Multi-Classification Using Cross-Dataset Learning for Improved Model Generalization	Ei Marlar Win*; Amy Tun; Khant Kyawt Kyawt Theint
15:45–16:00	19	Multiobjective Task Scheduling for Scientific Workflow in Cloud Environment	July Lwin*; Tinzar Thaw
16:00–16:15	32	Modified AES Algorithm for Secure Data Sharing in Group Work Systems	Thaw Thaw May Oo*; Khaing Khaing Wai

Nov. 6 (Day 3) — Online

Time	Paper ID	Title / Item	Authors / Speaker
09:00–09:45	Keynote 4	One Over-Permissioned AI Agent Can Expose Millions of Sensitive Records in Seconds: In Regulated Industries, Trust Is the Architecture	Aiswarya Venkitesh
Room A — Session B1: Tracks 0, 1, 2 & 4 (Online, 10:00–12:00)			<i>Chair: Eric Odle</i>
10:00–10:15	9	A Bayesian-Network-Based Fault-Tolerance Framework for Aircraft Power Systems Using Three-Stage BO-DE-SA Optimization	Kai Xu; Yuanyuan Sheng*; Changqi Qu; Ligu Tan; Junjie Wang; Huanyu Liu; Junbao Li
10:15–10:30	18	Fault Signal Detection and Correction for Aircraft Power Systems Using a GA-Optimized Support Vector Machine	Changqi Qu; Kai Xu; Yuanyuan Sheng*; Ligu Tan; Junjie Wang; Huanyu Liu; Junbao Li
10:30–10:45	38	Enhancing Myanmar News Classification with Lexical, Contextual, and Relational Features	<i>Swe Swe Htun*</i> ; Aye Nyein Mon
10:45–11:00	22	An Empirical Evaluation of Fine-Tuned Transformer-Based Language Models for Myanmar Text Classification	Kyault Kyault Khaing*; Aye Mya Hlaing; Yadanar Oo
11:00–11:15	33	Art-based Deepfake Detection: The Study of Fine-Tuned Models on Art Image Data	Su Thet Oo*; Ah Nge Htwe; Nilar Aye
11:15–11:30	12	Adaptive Multi-Object Tracking Using YOLOv9 and Improved DeepSORT with Reliability-Aware GIoU Association and Confidence-Aware Adaptive Filtering	Phway Phway Aung*; Tin Zar Thaw
11:30–11:45	41	Real-Time Smoke Detection using Enhanced YOLOv8 with LWIoUv4 for Forest Fire Monitoring	Ye Naing*; Thin Lai Lai Thein
11:45–12:00	44	Adapting CogVLM2 for Low-Resource Myanmar Video Captioning Using QLoRA	Nway Nway Zaw Win*; Aye Nyein Mon; Win Lelt Lelt Phyu
12:00–13:30		Lunch	
Room A — Session B2: Track 2 Fuzzy Systems & Hybrid Intelligence & Track 3 Big Data (Online, 13:30–15:00)			<i>Chair: Eric Odle</i>
13:30–13:45	8	EvoGuard: Evolutionary Policy Control for Secure AI Agents	Vishnu Gatla*
13:45–14:00	42	Explainable Artificial Intelligence Co Adaptive Interfaces Modeling Cognitive Biases with Dual Channel	Rakesh Kumar Reddy Ambati*
14:00–14:15	43	NLP Retrieval for Long-Term Conversation Memory: Clustered Retrieval-Induced Forgetting with Rank-Gap Suppression	Rakesh Kumar Reddy Ambati*
14:15–14:30	34	DBFA: A Dual-Branch Fusion Architecture for Imbalanced Multiclass Network Intrusion Detection	Shwe Sin Myat Than*
14:30–14:45	36	An Interpretable Hybrid Framework for Imbalanced Traffic Accident Severity Prediction	Khin Chaw*
Room A — Session B3: Track 4 Computer Vision & Track 1 (Online, 15:30–16:30)			<i>Chair: Eric Odle</i>
15:30–15:45	37	Deep Learning-Based Commodity Price Time-Series Forecasting	Hlaing Win*
15:45–16:00	35	A Scalable Spark-BiLSTM-Transformer Hybrid Framework for PM2.5 Forecasting in Urban Myanmar	Akari Myint Soe*
16:00–16:15	3	Pothole Detection with Location Tracking	Amuthavarahi M*
16:15–16:30	5	Class-Incremental Classification of Hyperspectral Remote Sensing Images Based on Elastic Weight Consolidation Regularization	Bojian Liu*; Siqi Wang