



Agenda

2026 International Conference on Embedded Systems, Mobile Communication and Computing (EMC² 2026)
January 13, 2026 Tuesday 09:00-18:00 (GMT+8)

Time	Activity
08:30-09:00	Registration
09:00-09:05	Opening Ceremony
09:05-09:10	Welcome Address
09:10-09:15	Group Photo
Keynote Speech	
09:15-09:50	Keynote Speech I: Prof. Pin-Han Ho , IEEE Fellow University of Waterloo, Canada Title: <u>Rethinking Millimeter-Wave Radar: Signal Processing, Applications, and Frequency-as-Aperture</u>
09:50-10:25	Keynote Speech II: Prof. Yuanwei Liu , IEEE Fellow The University of Hong Kong, China Title: <u>Pinching-Antenna Systems (PASS): From Wireless to Near-Wired Communications</u>
10:25-10:40	Coffee Break
10:40-11:15	Keynote Speech III: Prof. Weijia Jia , IEEE Fellow Beijing Normal University, China Title: <u>Edge AI and LLM Collaborative Applications</u>
11:15-11:50	Keynote Speech IV: Prof. Weifa Liang , IEEE Fellow City University of Hong Kong, China Title: <u>IoI-Aware Inference Services in DT-Assisted Edge Computing</u>
11:50-14:00	Lunch



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Venue: LG1/F – CBC, Chow Yei Ching Building

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Time	Activity
Oral Presentation	
14:00-14:10	Tayyib Muhammad, Inje University, South Korea Title: <u>A Framework for Perception and Adoption of Artificial Intelligence in UIUX Design</u>
14:10-14:20	Shawn Prestridge, Southern Methodist University, America Title: <u>Optimizing Coding Strategies for BB84-Based Quantum Key Distribution</u>
14:20-14:30	Weilu Liu, Harbin Engineering University, China Title: <u>Underwater Terrain Sensing Method Using Forward-looking Sonar: Embedded System Design and Experimental Validation</u>
14:30-14:40	Qiran Chen, Shanghai Jiao Tong University, China Title: <u>From Data Freshness to Model Updates: An AoI-Driven Client Scheduling Approach</u>
14:40-14:50	Haoran Cui, Zhejiang University, China Title: <u>Detection and Trajectory Planning for Automatic Solar Panel Cleaning Using Drones</u>
14:50-15:00	Michael Zingerenko, Moscow Institute of Physics and Technology, Russia Title: <u>Affine quantized convolutional neural networks in residue number systems</u>
15:00-15:10	Lee SangHun, Inje university, South Korea Title: <u>Designing Ground Signs For Sloped Walkways</u>
15:10-15:20	Taufik Iqbal Ramdhani, Universitas Indonesia, Indonesia Title: <u>LHBKM: Lightweight Hierarchical Blockchain-Based Key Management in Dynamic MEC-Enabled IoT Networks</u>
15:20-15:30	Ning Yu, Northwestern Polytechnical University, China Title: <u>A novel method for Efficient Motion Planning in Dynamic Environments</u>
15:30-15:40	Coffee Break



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Oral Presentation	
15:40-15:50	Chongyao Tang, Harbin Institute of Technology, Shenzhen, China Title: <u>Base Station Switch-Off Strategy for Energy-Efficient Beyond 5G Wireless Networks</u>
15:50-16:00	Yufan Yuan, Yangzhou University, China Title: <u>Unsupervised Feature Selection on Federated Incomplete Multi-View Data via Fractional Sparsity and Tensor Alternating Optimization</u>
16:00-16:10	Yuhao Wang, Communication University of China, China Title: <u>A Hybrid Spatiotemporal Computational Framework for Multi-Agent Systems: LLM-Driven Simulation of Policy-Induced Emotion Propagation in the Chinese Housing Market</u>
16:10-16:20	Neng Rao, Communication University of China, China Title: <u>Dynamic Adaptation-Based Multi-Agent Emotional Regulation Mechanism inPublic Opinion</u>
16:20-16:30	Yiwen Jiang, South-East Technological University, Ireland Title: <u>A Multi-Strategy Beluga Whale Optimization Algorithm: Design, Implementation, and Performance Analysis</u>
16:30-16:40	Yuzhuo Kong, Harbin Institute of Technology, Shenzhen, China Title: <u>Real-World IMU–Wi-Fi Fusion for Indoor Localization Using Deep Learning and Scale-Factor-Adaptive Kalman Filter</u>
16:40-16:50	Hongrui Yu, Harbin Institute of Technology, Shenzhen, China Title: <u>A Wireless Camera Scheduling Framework for Low-Latency 3D Reconstruction</u>
16:50-17:00	Yuqi Zhu, University of Science and Technology of China, China Title: <u>Mapping the paradigm shift of Computational Social Science (CSS) research: A bibliometric analysis (2009-2025)</u>
17:00-17:10	Bohuan Li, Guangxi University, China Title: <u>DP-Assisted A* Search for Wear-Constrained Sequential Candidate Selection in Joint Space</u>



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17:10-17:20	Caidie Li, Hubei University of Chinese Medicine, China Title: <u>HA-DAGP: A Hierarchical Attention-Driven Adaptive Graph Partitioning Model</u>
17:20-17:30	Junyang Leng, Hubei University of Chinese Medicine, China Title: <u>MAULF: A Multiscale-fused and Attention-guided Unsupervised Learning Framework</u>
17:30-17:40	Xueyao Li, The 32nd Research Institute of China, Electronics Technology Group Corporation, China Title: <u>Cross-Node Co-Design of Generative Distillation for Privacy-Preserving Embedded Edge Computing</u>
17:40-17:50	Juhan Li, Shandong Normal University, China Title: <u>Disturbance decoupling of large-scale Boolean networks based on matrix approach</u>
17:50-18:00	Qian Qiao, Northeastern University, China Title: <u>Plastic-YOLO: A Super-Resolution Enhanced Detection Framework for Riverine Plastic Waste Using an Optimized YOLOv11 Network</u>
18:00-18:10	Award & Closing Ceremony