

Arrangement of AIC2026

| April 21, 2026 Tuesday | |
|---|--|
| 16:00-18:00 | Registration |
| 18:00-20:00 | Welcome Party (Venue: Wenlan International Restaurant) |
| April 22, 2026 Wednesday | |
| Onsite Venue: Lecture Hall, 1st Floor, Building 2, Kaifeng University | |
| Morning Session Online Link: https://meeting.tencent.com/dm/aOVKyV5GJJxu | |
| #Tencent Meeting: 498-284-583 Meeting Passcode: 1234 | |
| Afternoon Session Online Link: https://meeting.tencent.com/dm/Oe1kzigmvOKd | |
| #Tencent Meeting: 606-714-144 Meeting Passcode: 1234 | |
| 09:00-09:20 | Opening Ceremony Welcome Speech: Dean, General Chair |
| 09:20-09:30 | Group Photos |
| 09:30-10:30 | Keynote 1: Recent Advances in Data Management and Social Media Analysis Keynote Speaker: Prof. Qing Li, The Hong Kong Polytechnic University, Hong Kong, China |
| 10:30-10:45 | Tea Break |
| 10:45-11:45 | Keynote 2: AI for Human Well-being: Understanding and Promoting Human Health Through Convergent Research Keynote Speaker: Prof. Qun Jin, Waseda University, Japan |
| 12:00-13:30 | Lunch Break (Venue: Wenlan International Restaurant) |
| 14:00-15:00 | Keynote 3: Research and Application of the Emotional-Intelligence Model in the AI Era Keynote Speaker: Prof. Qin Zhang, Communication University of China, China |
| 15:00-15:15 | Tea Break |
| 15:15-16:15 | Keynote 4: Deep Reinforcement Learning in Intelligent Wireless Communications Keynote Speaker: Prof. Sang-Woon Jeon, Hanyang University ERICA, South Korea |
| 18:00-20:00 | Banquet (Venue: Wenlan International Restaurant) |

April 23, 2026 AM, Thursday

Onsite Presentation

Venue: Conference Room, 4th Floor, Building 2, Kaifeng University

Meeting Link: <https://meeting.tencent.com/dm/T8VCm6xa3OZI>

#Tencent Meeting: 517-425-742 Meeting Passcode: 1234

| Time | ID | Paper Title |
|-------------|--|--|
| 09:00-09:15 | 18 | UAV Pickup and Delivery Model with Data Rate Maximization and No-Fly Zones Avoidance |
| 09:15-09:30 | 19 | Integrating Causal Inference with Machine Learning to Optimize Individualized Duloxetine Dosing in Patients with Depression |
| 09:30-09:45 | 20 | A Multi-Omics Framework Integrating Gut Metagenomics and Cortical Single-Nucleus Transcriptomics Reveals Gut-Brain Axis Dysregulation in Major Depressive Disorder |
| 09:45-10:00 | 25 | F-SAEA: A Gradient-Guided Trust-Region Surrogate-Assisted Evolutionary Algorithm for Expensive Optimization |
| 10:00-10:15 | 42 | Delay-Oriented Computation Offloading Strategy for SAGIN-enabled Vehicular Networks |
| 10:15-10:30 | Tea Break | |
| 10:30-10:45 | 44 | A DSG-SE Strategy-Based DDEAs-MiniCNN Model for Thyroid Nodule Classification |
| 10:45-11:00 | 62 | Research on GAI Online Course Effect Analysis Model Based on Multi-dimensional Data |
| 11:00-11:15 | 66 | Application of Multi-technology Collaborative Intelligent Monitoring and Early Warning Feedback System for Cultivated Land Conversion Based on Deep Learning |
| 11:15-11:30 | 81 | Retrieval-Guided Safety Alignment for Action Spaces in LLM-Based Embodied Agents |
| 11:30-11:45 | 56 | Low-Rank Guided Dual Diffusion Model with Quadruple Input Modalities for Robust Image Transmission |
| 11:45-12:00 | 82 | Simplicity Through Hubs: How TCM Organizes Knowledge via Truncated Power-Law Structures in Six-Meridian Syndrome Differentiation |
| 12:00-13:30 | Lunch Break (Venue: Wenlan International Restaurant) | |

Online Presentation (April 23, 2026 PM, Thursday)

Online Meeting Link: <https://meeting.tencent.com/dm/seeUVZmDAtvS>

#Tencent Meeting: 798-853-802 Meeting Passcode: 1234

| Time | ID | Paper Title |
|-------------|----|---|
| 14:00-14:15 | 23 | DAPM: Dual Path Yield Prediction Model Integrating Anti-Noise Convolution and Position Compensation |
| 14:15-14:30 | 27 | Non-Destructive Identification of Wheat Seed Varieties Using Hyperspectral Imaging and Swarm Intelligence Optimized SVM |
| 14:30-14:45 | 29 | Optimizing Student Intent Prediction in Chat-based ITS via Interpolated Markov Models |
| 14:45-15:00 | 30 | A Data-Driven Topic Modeling Analysis of CAS Anti-Doping Awards |
| 15:00-15:15 | 31 | Reassessing the Promises of AI in Commercial Arbitration: Do the Advantages Really Hold Up? |
| 15:15-15:30 | 46 | Diffusion-Equivalent Noise Scheduling for Adaptive Population Size Control in Evolutionary Algorithms |
| 15:30-15:45 | 48 | CNS-RT-DETR: A Robust Engineering Solution for Potato Eye Detection under Non-Structured Agricultural Environments |
| 15:45-16:00 | 49 | Analysis of the Applicability and Lightweight Improvements of Classic Classifiers for Resource-Constrained Scenarios |
| 16:00-16:15 | 50 | Unsupervised Few-Shot Industrial Defect Detection via Hierarchical Gating and Dynamic Fusion |
| 16:15-16:30 | 52 | Mechanism Design and kinematics analysis of a novel bionic shovel beetle robot |
| 16:30-16:45 | 53 | Semi-supervised Dual Siamese Networks Mutual Correction Framework for 3D Medical Image Segmentation |
| 16:45-17:00 | 55 | PDH-GAD: Interactive Primal-Dual Hypergraph Networks for Graph Anomaly Detection |

Online Presentation (April 24, 2026 AM, Friday)

Online Meeting Link: <https://meeting.tencent.com/dm/2exb3jIDE6UJ>

#Tencent Meeting: 893-514-480 Meeting Passcode: 1234

| Time | ID | Paper Title |
|-------------|----|--|
| 09:00-09:15 | 60 | Inversion of Inverse Flexoelectric Coefficient in 2D MoS2 Actuators via Physics-Informed Residual Adaptive Networks |
| 09:15-09:30 | 61 | Dynamic Impact Characteristics, Force Prediction Model, and Micro-Removal Mechanism in Rotary Ultrasonic Drilling of Optical Glass |
| 09:30-09:45 | 63 | Detecting and Analyzing Affective States in Higher Vocational Students under a Gamified Pedagogy |
| 09:45-10:00 | 64 | Spectral-Informed Lightweight Modeling for Network Traffic Forecasting |
| 10:00-10:15 | 65 | Chaotic Adaptive Mutation Particle Swarm Optimization for Multi-target UAV Tracking |
| 10:15-10:30 | 67 | Research on cattle body condition scoring technology based on EfficientNetB4-Star-EMA model |
| 10:30-10:45 | 68 | A Method for Monitoring Tool Wear Based on the Coupling of Digital Twin and Tribological Mechanism |
| 10:45-11:00 | 69 | Application of an Improved Q-learning Algorithm Integrating Self-Tuning and Dynamic Exploration in University Course Agents |
| 11:00-11:15 | 70 | Knowledge Tracing with Large Language Models via GRPO-based Reinforcement Fine-Tuning |
| 11:15-11:30 | 71 | EDMT: Efficient Hybrid Mamba-Transformer with Dual-Path Selective Scan for Lightweight Image Super-Resolution |
| 11:30-11:45 | 72 | BFNet: A Multimodal Deep Learning Framework for Frozen Meat Adulteration Quantification via NIR and MIR Spectra |
| 11:45-12:00 | 73 | 3D Object Detection Method Based on BEV Feature Fusion |

Online Presentation (April 24, 2026 PM, Friday)

Online Meeting Link: <https://meeting.tencent.com/dm/a48yicodrQKD>

#Tencent Meeting: 116-800-156 Meeting Passcode: 1234

| Time | ID | Paper Title |
|-------------|----|--|
| 14:00-14:15 | 74 | Gradient-Informed Mixture of Fusion Experts for Parameter-Efficient Multimodal Sentiment |
| 14:15-14:30 | 75 | A Long-Term Value Estimation Based Ant Colony System for Traveling Salesman Problem |
| 14:30-14:45 | 78 | Intelligent Fault Diagnosis of CNC Spindle Combining Knowledge Graph and Data-Driven Approach |
| 14:45-15:00 | 79 | Machine Learning for Fatigue Life Prediction of Additively Manufactured Metals: A Review |
| 15:00-15:15 | 80 | A Multi-Level Assessment Model for Generative AI's Occupational Impact |
| 15:15-15:30 | 88 | HVI-FENet: A Dual-Branch Frequency-Enhanced Network for Low-Light Image Enhancement |
| 15:30-15:45 | 91 | Transparent Cube: A Dynamic, Explainable, and Actionable Data Model for AI Governance that Drives Innovation and Manages Risk |
| 15:45-16:00 | 92 | Prediction of Moisture Content in Tobacco Leaves Based on Near-Infrared Spectroscopy–Colorimetric Fusion and Supervised Latent-Space Neural Regression |
| 16:00-16:15 | 95 | An Improved Dung Beetle Optimization Algorithm with Cubic Chaotic Initialization and Adaptive Perturbation for Wireless Sensor Network Coverage Optimization |
| 16:15-16:30 | 97 | Directional Elite Local Search-Enhanced Differential Evolution for UAV Path Planning |
| 16:30-16:45 | 54 | Leakage-Resilient k-out-of-n Oblivious Transfer |
| 16:45-17:00 | 89 | A Real-Time IMU-Based Framework for Detecting Distraction- and Fatigue-Induced Gait Alterations Download PDF |
| 17:00-17:15 | 90 | Intelligent Manufacturing of MoS ₂ /Ag Nanostructures Supercapacitor via Screen Printing |
| 17:15-17:30 | 76 | Real-Word Water-Scene Image Dehazing Based on Vision-Language Model and Density Difference Information |