

# **The 6th International Conference on Artificial Intelligence and Logistics Engineering (ICAILE2026) - Online**

June 6–7, 2026  
Shanghai, China

## **ICAILE2026 Conference Program**

**ICAILE2026**

### **Conference Sponsors**

**Wuhan University of Technology, China**

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**International Research Association of Modern Education and Computer Science, Hong Kong**

# ICAILE2026 Conference Schedule - Online

**Saturday, June 6, 2026**  
**Beijing time at 10:00 AM**

## Time Zone

These are the corresponding times for your meeting:

Location	Local Time	Time Zone	UTC Offset
<b>Beijing</b> (China – Beijing Municipality)	Saturday, 6 June 2026, 10:00:00	CST	UTC+8 hours
<b>Kyiv</b> (Ukraine – Kyiv)	Saturday, 6 June 2026, 05:00:00	EEST	UTC+3 hours
<b>Bangkok</b> (Thailand)	Saturday, 6 June 2026, 09:00:00	ICT	UTC+7 hours
<b>Kuala Lumpur</b> (Malaysia – Kuala Lumpur)	Saturday, 6 June 2026, 10:00:00	MYT	UTC+8 hours
<b>Ottawa</b> (Canada – Ontario)	Friday, 5 June 2026, 22:00:00	EDT	UTC-4 hours
<b>Amsterdam</b> (Netherlands)	Saturday, 6 June 2026, 04:00:00	CEST	UTC+2 hours
<b>Bratislava</b> (Slovakia)	Saturday, 6 June 2026, 04:00:00	CEST	UTC+2 hours
<b>Tbilisi</b> (Georgia)	Saturday, 6 June 2026, 06:00:00	GET	UTC+4 hours
<b>Washington DC</b> (USA – District of Columbia)	Friday, 5 June 2026, 22:00:00	EDT	UTC-4 hours
<b>London</b> (United Kingdom – England)	Saturday, 6 June 2026, 03:00:00	BST	UTC+1 hour

<https://www.timeanddate.com/worldclock/meetingdetails.html?year=2026&month=6&day=6&hour=2&min=0&sec=0&p1=33&p2=367&p3=28&p4=122&p5=188&p6=16&p7=735&p8=371&p9=263&p10=136>

**Saturday, June 6, 2026**  
**Beijing time at 10:00 AM**

**Important Speeches for ICAILE2026**

Join a Zoom meeting.

<https://us02web.zoom.us/j/86041836061?pwd=3rf6FMAHAD6FSW4JawpEwq2KYnHacv.1>

Meeting ID: 860 4183 6061

Passcode: 996902

<b>Time</b>	<b>Keynote Speeches</b>	<b>Speakers</b>
<b>10:00-10:20</b>	<b>Open Ceremony</b>	<b>Prof. Vadym Mukhin Prof. Q.Y. Zhang Prof. Z.B. Hu</b>
<b>10:20-10:50</b>	Development and Future of Deep Learning	<b>Prof. Francis Y.L. Chin</b>
<b>10:50-11:20</b>	AI-Powered Video Analysis for Human Identification and Condition Monitoring in Extreme Environments	<b>Prof. Yuriy Ushenko</b>
<b>11:20-11:50</b>	Multi-objective Robust Optimization for Multimodal Transport of Cold Chain Containers under Uncertainty	<b>Assis. Professor Li Xin</b>
<b>11:50-12:20</b>	AI-Relevant Data for Supply Chain Resilience under Full-Scale War	<b>Assoc. Professor Irina Dodbischuk</b>

**Saturday, June 6, 2026**  
**Beijing time at 11:50 AM**

Join a Zoom meeting.

<https://us02web.zoom.us/j/86041836061?pwd=3rf6FMAHAD6FSW4JawpEwq2KYnHacv.1>

Meeting ID: 860 4183 6061

Passcode: 996902

**Chairs**

*Prof. Vadym Mukhin, Prof. A.V. Petrashenko, Prof. Z.B. Hu*

<b>Time</b>	<b>ID</b>	<b>Paper title</b>	<b>Authors</b>
<b>12:20-13:00</b>	3352	Psychological Contract Breach and Turnover Intention Under AI Algorithmic Management: An Analysis Based on Graduates' Motivations for Engaging in Flexible Employment	Yi ZHANG, Luoyan MENG, Qingyu MAO, Meng WANG, Qianhao ZHENG
	3379	Factor Analysis of AI-Driven Educational Demand in Chinese Higher Vocational Colleges	Ni CHENG
	3449	Intelligent Warehousing Inventory Optimization Based on Demand Characteristics and K-means Clustering	Xinrui LIU, Mengya ZHANG, Yueran WANG, Kevin XIONG
	3366	Profile-Driven Anomaly Detection of Electricity Consumption Behaviors in Smart Grids	Yuying CHEN, Xiaorui QIAN, Shirui CHEN, Xiangpeng ZHAN, Ke DENG
	3377	Multi UAV Smoke Screen Collaborative Deployment Task Planning Based on Candidate Event Method	Huiting LU, Bikai PAN, Yusi ZHANG, Xiaozhe YANG
<b>13:00-14:00</b>	Break Time		
<b>14:00-18:00</b>	3382	High-Quality Full Employment of the New Employment Group in Artificial Intelligence: Structural and Hierarchical Relationships	Yi ZHANG, Qingyu MAO, Luoyan Meng, Meng WANG, Xin Li
	3385	Dynamic Autonomy Allocation for Human-Multi-UAV Cooperative Inspection Based on Deep Reinforcement Learning with Cognitive Load Constraints	Chenzhe ZHONG, Bo LIU, Yongjun PENG, Yongqi WEN and Guijun LIU
	3386	Digital and Intelligent Transformation of the Traditional Engineering Majors Driven by Artificial Intelligence	Feng ZHU, Kequ CHEN, Yan YANG, Qiang SHEN, etc.
	3390	A Solution of AI-enabled Professional Teaching with Multidisciplinary Integration	Xingjian ZHOU, Juliang LIN, Changxin CHENG, Lihua CAI, Chuntao WU
	3392	Platform Labour Conflict and AI Algorithms in Digital Labour: An Evolutionary Game Analysis Based on Herd Effect	Luoyan MENG, Yi ZHANG, Xiaona MA, Meng WANG
	3394	Construction of a Dynamic Monitoring and Evaluation System for Mentor Graduate Relationship Based on AI	Qin Zhang, Shi Tian
	3399	Big Data and Intelligent Interaction Technology Empowers Museum Audience Experience Optimization Path-A Case Study of Hunan Museum	Xiangyi CHEN, Jiabei YE
	3401	Pathways of Intelligent Transformation's Impact on Corporate Performance in Manufacturing Enterprises-A Case Study of Haier Smart Home	Lulu GE, Yiwen CUI
	3403	Intent-Constrained Graph-Augmented LLM Planning with Minimal-Edit Repair for Emergency Communication Service Restoration	Jinyin BAI, Yongjun PENG, Xiangchen WANG, etc.
	3409	Construction of an AIGC-Empowered Data-Driven Teaching Decision-Making Model	Wenjie Zhu

3412	Dynamic Assessment and Regulation of Comprehensive Literacy for Vocational College Students: A Dual-Driven System of Multimodal Data and AI Based on the SD-QE2.0 Model	Lili LI, Yayun WANG, Lili XU, Feifei HU
3419	AI-Enabled Education: Reconstruction of a Computer Vision Curriculum	Jing ZUO, Hanning YANG
3422	Towards Highly Reliable and Secure Wireless Communications: Control-Link-Independent Dynamic Spectrum Anti-Jamming via Deep Reinforcement Learning	Zhenyi KE, Ximing WANG, Zhiyong DU, Yongjun PENG, Xiangchen WANG and Lijie YIN
3424	The Curricula Reformation of Emergency Management based on CiteSpace and Text Mining Technology	Chen GUO, Sishi CHEN, Shiyi ZHENG, Feng ZHU, Zhenxin QIN
3435	AI-Driven Government Procurement Risk and Intelligent Warning System: A Case Study of Higher Education Institutions	Shufan PI, Wenzhe ZHAO, Zijun ZHAO
3445	The Development Logic and Educational Value of Student Art Troupes in Science and Engineering Universities	Yujun LUO, Juan MA, Shitong WANG, Yinghua CHEN
3450	The Impact of AI-Assisted Learning Experience Based on the ARCS Model on Management Students' Learning Outcomes	Xiaoshi CHEN, Muhamad Zulkiflee Osmanb, Jixu ZHU
3458	Construction and Path Adaptability of AI-Enabled Leadership Evaluation Index System for Higher Vocational College Students Based on PLS-SEM	Lili XU, Lili LI, Yayun WANG, Feifei HU
3471	Real-Time Detection of Overlapping Automotive Door Structural Components Based on Computer Vision and Deep Learning	Jing LIANG, Hui FANG, Sipeng WANG
3474	Teaching Practice of Marketing Major Empowered by Generative Artificial Intelligence	Qinxian CHEN, Saipeng XING, Xian QIN, Fen HUO

**Sunday, June 7, 2026**  
**Beijing time at 10:00 AM**

Join Zoom Meeting

<https://us02web.zoom.us/j/85738569386?pwd=CsvHTdyG4ymCL0z8S9GwWXqRmaacOt.1>

Meeting ID: 857 3856 9386

Passcode: 299125

**Chairs**

*Prof. A.V. Petrashenko, Prof. Vadym Mukhin, Prof. Q.Y. Zhang*

<b>Time</b>	<b>ID</b>	<b>Paper title</b>	<b>Authors</b>
<b>10:00-13:00</b>	3355	Carbon Governance and Distribution Vehicle Energy Choice: a Distribution Network Modeling Study in the Consumer Electronics Sector	Zibin WANG, Jinshan DAI
	3362	Digital Transformation and Green Supply Chains: Mapping the Knowledge Structure and Research Evolution (2016–2025)	Tao XING, Chaomin GAO, Boonsub PANICHAKARN, Jessada Pochan, Ponnapa MUSIKAPUN, Sarceyapon PRASERTSRI, Supavanee THIMTHONG
	3364	Optimizing Resource Allocation in Food Recall Logistics Networks through Multi-Objective Location-Routing Problem Models	Zhixuan CHEN, Qi MA, Feiyan LIU
	3367	UAV Route Optimization for Rural Logistics Considering Energy Consumption and Time-Window Constraints	Yong WANG, Yafei WU, Qian LU, Xi Vincent WANG, and Lihui WANG
	3368	Game Theory Analysis of Collaborative Regulation in Blockchain-Based Logistics Service Supply Chains	Zhengguo WANG, Jingru LIU, Wenjuan WANG, Wenyu ZHAO, Yao ZHANG
	3369	Economic Benefit Evaluation System of Air-Rail Intermodal Logistics Hub and Its Empirical Application-A Case Study of Huangshi North Station	Hua XIAO, Jun SU
	3374	Financial Risk Management of Supply Chain Resource Integration in Semiconductor Industry: Methods Based on Z-Score Model and F-Score Model	Juan YAN, Zhaozhe WU, Fei LU
	3388	Construction of an Evaluation System for the Coordinated Development of Port-Industry-City in Inland River Port Economic Zones of Henan Province	Yajie XU, Yinping WU
	3467	Optimization of Cold Chain Logistics Routing with Time-Dependent Windows and Energy Consumption Based on Hybrid Genetic Algorithm	Yaqing YOU, Cennuo Hu
	3404	Network Evolution Mechanism of Intelligence Logistics Supply Chain Ecosystem	Yichao CHEN
	3465	Analysis and Evaluation of Key Mineral Supply Chain Resilience Based on Entropy Weight - TOPSIS	Lei ZHANG, Lingxia HOU, Qinghui ZHU, Yingxuan Li, Yingqi Wu
	3425	Reform and Practice: AI-Driven Five-Step Four-Linkage Teaching Model in International Logistics	Xin LI, Yaqing YOU, Chengfeng ZHANG, Zewen ZHANG, Qiuyang HUANG
	3428	Knowledge-Enhanced Small Language Models for AI-Enabled Decision Support in Delivery Delay Prediction for Smart Supply Chains	Zhixuan CHEN, Qi MA, Jinlin WANG
	3432	Green Trade Barriers and the Carbon Cost Transmission Mechanism in Cross-Border Supply Chains: A Quantitative Measurement Study	Quan YUAN, Jing LIANG, Xiaofeng WU
3438	A Calculation Model for Freight Volume of Individual Branch Channels in Multi-Branch Graded Estuarine Waterways Based on AIS Data	Tianhang GAO, Cuicui LI, Changjian LIU, Jing REN	

	3442	The Moderating Role of Social Norms in the Relationship between Environmental Attitude and E-Commerce Return Intention: A Scenario Experiment	Jingjing LI, Bichang ZOU, Yifan WANG, Aohan LI
<b>13:00-14:00</b>	Break Time		
<b>14:00-19:00</b>	3462	Green Development Evaluation of China-Europe Railway Express Hub Cities: An AHP-TOPSIS Approach	Chen CHEN, Jiawei SUN
	3455	Construction of Low-Carbon Logistics Development Model and Evaluation System-A Case Study of Beiling-Tech Logistics	Long ZHANG, Yixuan LIU, Jian WANG
	3468	A Two-Stage Optimization for Export Container Yard Storage Allocation and Yard Crane Scheduling in Container Terminal	Yanwei ZHANG, Jingyu ZUO, Lingkun ZHU, and Weixuan NIU
	3482	Financial Data-Driven Decision Optimization in Smart Logistics: An AI-Based Analytical Model	Ningwei XU, Yadan JIANG
	3485	Power Failure Recovery Strategy for Intelligent Warehouse AGV Based on QR Code Backtracking and Inertial Navigation	Lu CAO, Yutong WU, Kevin_XIONG
	3493	Multi-objective Collaborative Optimization and Empirical Analysis of Cold Chain Last-Mile Delivery Based on Mixed-Integer Programming	Shan WU, Yong WANG
	3496	Layout Optimization of the Douyin Supermarket Warehouse in Wuhan Using the SLP Method	Meng FU, Mingxia JIANG, Lijing DU
	3499	Logistics Demand Forecast of Fresh Agricultural Products in Hubei Province Based on Combined Forecasting Model	Qin Xu, Jiawei SUN
	3480	Design and Quantitative Evaluation of a BOPPPS-Informed Blended Learning Model in Principles and Methods of Micro-Joining Curriculum	Li LIU, Jiaqi LI, Zhiwen CHEN
	3502	Multi-Relational Dynamic Hypergraph Convolution Network for Time Series Stock Investment Recommendation	Feng GONG, Xiaosu SONG, Rong GAO
	3505	Recommender System with Integrated Interaction Expansion Graph Convolution	Xi CHEN
	3358	Optimization of Collaborative Release Strategy of Smoke Grenade for UAV Based on Multibody Kinematics	Huiting LU, Meng YUAN, Bikai PAN, Xiaozhe YANG
	3489	Optimization of PET Bottle Recycling Network in A City Based on Genetic Algorithm	Yanhui LIU, Jiaxu WANG, Jiawei SUN
	3491	Construction of Virtual Peer Instruction Model for Complex Engineering Problems Based on Constructivist	Qizhi QIU, Feng GENG, Yijun LIU, Jian WANG
	3406	Quantitative Evaluation of Risk Control Effect of Inland River Shipping Logistics Hub-A Case Study of Yakou Hub on the Han River	Hua XIAO, Zhengbing HU
	3498	AI-Driven Whole-Process Intelligent Teaching Management Model for Top Innovative Talents in Transportation Majors	Yan YANG, Mengya ZHANG, Xiaoli YUAN, Lijing DU
	3397	Optimization Model and Application of Fresh Product Cold Chain Logistics Delivery Routing Based on Genetic Algorithm	Long ZHANG, Yixuan LIU, Richard LIU
	3497	Evaluation Method and Empirical Study of JD Express Service Quality Based on SERVPERF Model	Wenjie XIONG, Tengfei JIANG, Yao ZHANG
	2632	Artificial intelligence tools in the system of optimization of logistics processes for transport enterprises	Sergiy GNATYUK, Zarina POBEREZHNA
	20261	Intelligent multispectral video analysis system of human detection and injury classification based on deep learning for rescue operations tasks	Jingli ZHENG, Lyubomyr CHYRUN, Victoria VYSOTSKA, et. al.
20265	Deep Learning Methods for Anomaly Detection in Large-Scale Datasets	Jingli ZHENG, Dmytro UHRYN, Artem KARACHEVTSEV, Yurii USHENKO, et. al.	
20266	Deep Learning Models for Identification and Classification of Military Equipment from Images	Renjie CHENG, Dmytro UHRYN, Yurii USHENKO, et. al..	
2634	A Method for Selecting Base Models in Stacking Ensembles Using Prediction and Error Diversity Measures	Ivan IZONIN, Nazar SAVITSKYI, Roman TKACHENKO, et. al..	
2645	XSSGuard: Post-Quantum Ready Real-Time Detection of DOM-Based Cross-Site Scripting via Context-Aware Machine Learning	Maksim IAVICH, Daviti BOTCHORISHVILI	

## Keynote Speakers



**Prof. Francis Y.L. Chin**

B.A.Sc. (Toronto); M.Sc., M.A., Ph.D. (Princeton); FIEEE, FHKIE, FHKACE (Hon.)

Honorary Professor of Computer Science, The University of Hong Kong, Pokfulam Road, Hong Kong

**Title of Keynote Speech:** Development and Future of Deep Learning

**Abstract:** Over the past decade, Deep Learning has already demonstrated great success across many applications such as object detection, image classification, speech recognition, translation, summarization, and chatbots (LLMs and ChatGPT), text to image and text to video. We envision that Deep Learning will have great potential in many other areas of research and applications. In this talk, we shall revisit the development of Deep Learning, explain the key technologies for its success and how Deep Learning works. Finally, we shall give insights on the future development of Artificial Intelligence.



**Prof. Yuriy Ushenko**

World's Top 2% Research Scientist. Nominee of The Photonics100 2025 list by ElectroOptics. Winner of 1000 Talents Plan Program, PhD, DSc, Prof., at Shaoxing University, Shaoxing, Zhejiang Province 312000, China. Professor, Head of Computer Science Department, Chernivtsi National University, Ukraine.

**Title of Keynote Speech:** AI-Powered Video Analysis for Human Identification and Condition Monitoring in Extreme Environments

**Abstract:** This study addresses the development of advanced artificial intelligence frameworks for human identification and functional state assessment within video streams under extreme environmental conditions. The proposed methodology integrates two complementary research paradigms: enhancing the robustness of person re-identification (ReID) in degraded visibility and enabling the multimodal state assessment of affected individuals during emergencies. The first component introduces a quality-aware approach featuring adaptive feature fusion, which utilizes specialized quality scoring and attention mechanisms to dynamically redistribute feature weights in response to severe input data degradation, such as noise, blur, low illumination, and occlusions. The second component establishes a multimodal deep learning architecture incorporating a Transformer Cross-Attention mechanism to synthesize heterogeneous data streams, including visual, acoustic, and textual or sensory inputs, for automated injury classification, severity evaluation, and medical triage. Experimental evaluations demonstrate that the quality-aware method significantly enhances identification metrics and substantially mitigates accuracy degradation caused by environmental distortions compared to conventional baseline models. Furthermore, the multimodal fusion framework achieves high classification and regression accuracy across diverse triage categories, delivering statistically significant improvements over unimodal alternatives. The integration of these methodologies yields a comprehensive intelligent system capable of simultaneous, reliable subject tracking and objective state evaluation, offering profound practical utility for emergency response, search and rescue operations, surveillance, and crisis decision-support systems.



**Assis. Professor Li Xin**

She is a PhD candidate at Wuhan University of Technology and a lecturer at School of Logistics, Wuhan Technology and Business University. She has attended academic exchanges at Birmingham City University. She is a member of China Federation of Logistics & Purchasing and IEEE Systems, Man and Cybernetics Society. She has presided over and participated in various projects including those funded by the National Natural Science Foundation of China, national key R&D programs of the Ministry of Science and Technology, and provincial and ministerial-level scientific research projects. She has published more than ten academic papers and compiled two textbooks.

Research Interests: Uncertain system optimization, multi-modal transportation, theories and applications of artificial intelligence

**Title of Keynote Speech:** Multi-objective Robust Optimization of Cold Chain Container Multi-modal

**Abstract:** Against the backdrop of dual-carbon strategy implementation and growing demand for fresh cold chain products, refrigerated container multi-modal transportation serves as a key mode to cut logistics costs, boost efficiency and reduce carbon emissions. In practical operation, uncertainties including market demand, transit time and carbon trading price hinder route planning and increase operational difficulty. Taking fruits, vegetables, livestock and poultry products as research subjects, this paper adopts distributionally robust optimization theory to depict uncertain disturbances and optimize transportation routes. Numerical simulation based on a multi-node network verifies the effectiveness of the proposed model and algorithm. Comparative analysis of different schemes explores cost and carbon emission variations as well as parameter impacts on transportation plans. The findings offer references for multi-modal transport decision-making and theoretical support for low-carbon, efficient development of cold chain logistics.



**Assoc. Professor Irina Dovbischuk**

Irina Dovbischuk is an Associate Professor of International Business and Supply Chain Management at Mount Royal University, Canada, with over a decade of academic experience across Germany, Canada, and Ukraine. She is also a visiting professor at two Ukrainian universities: Kyiv National Economic University named after Vadym Hetman and Uman National University of Horticulture. In China, she serves as a Foreign Collaborating Expert of the Henan International Joint Laboratory for Smart Logistics and as a Distinguished Professor at the International Cooperation Research Center for Logistics Management and Engineering, Zhongyuan University of Technology. Drawing on the Dynamic Capabilities Framework and Panarchy Theory, she studies adaptive and resilience-oriented approaches to transformative supply chain management, focusing on social value creation in fragile or transitioning contexts and how companies build resilience to succeed in disruptive or marginalized environments.

**Title of Keynote Speech:** AI-Relevant Data for Supply Chain Resilience under Full-Scale War

**Abstract:** A full-scale wartime context generates profound destabilization across supply chain systems, yet existing supply chain resilience research offers limited explanation of how release and reorganization unfold across interacting system levels under sustained geopolitical stress. Drawing on panarchy theory, this study examines cross-scale adaptive dynamics of supply chain release and reorganization, based on qualitative evidence from publicly recorded interviews with Ukrainian senior business, policy, and academic leaders, triangulated with institutional and policy documentation. The findings show how wartime disruption triggered rapid release in logistics networks, governance routines, and leadership structures, followed by adaptive reorganization through decentralized coordination, capability recombination, and relational governance. The

keynote will additionally reflect on how AI-relevant data - including logistics disruption signals, infrastructure vulnerabilities, institutional bottlenecks, coordination patterns, and leadership narratives - may support resilience monitoring, early-warning capabilities, and adaptive decision-making in highly turbulent logistics environments. The presentation therefore links supply chain resilience theory with emerging opportunities for AI-enabled logistics intelligence under conditions of full-scale war and extreme uncertainty.

# **Instructions for Presentations**

## **Materials provided by the presenter**

PowerPoint or PDF files

## **Durations of each presentation (tentatively)**

Regular oral session: about 10 minutes of presentation, 3 minutes of Q&A

Keynote Speech: 20–30 minutes of presentation, 10 minutes of Q&A

## **The conference has two study areas:**

Area 1: Artificial Intelligence and Scientific Methodology

Area 2: Logistics Engineering: Technology, Applications, and Innovation

If you have any questions about the conference program, please don't hesitate to contact us by email at [icaile@icics.net](mailto:icaile@icics.net).