

The 9th International Conference of Artificial Intelligence, Medical Engineering, Education (AIMEE2025)

25-26 October 2025

Changsha, China

AIMEE2025 Conference Program



Conference Sponsors

International Research Association of Modern Education and Computer Science

<http://www.ramecs.org>

Wuhan University of Technology

<http://english.whut.edu.cn>

Wuhan Textile University

<https://english.wtu.edu.cn>

Hubei University of Technology

<http://en.hbut.edu.cn>

Wuhan Technology and Business University

<https://eng.wtbu.edu.cn>

AIMEE2025 Conference Schedule – Online

Saturday, 25 October 2025
Beijing time at 11:00 AM

Time Zone Table

 Beijing, China CST (UTC +8)	Sat, 25 Oct 2025	11:00 😊 ⋮
 Washington DC, DC, USA * EDT (UTC -4) 12 hour(s) behind	Fri, 24 Oct 2025	23:00 😞 ⋮
 Kyiv, Ukraine * EEST (UTC +3) 5 hour(s) behind	Sat, 25 Oct 2025	06:00 😞 ⋮
 Kuala Lumpur, Malaysia MYT (UTC +8) same as Beijing	Sat, 25 Oct 2025	11:00 😊 ⋮
 Tokyo, Japan JST (UTC +9) 1 hour(s) ahead	Sat, 25 Oct 2025	12:00 😊 ⋮
 Seoul, South Korea KST (UTC +9) 1 hour(s) ahead	Sat, 25 Oct 2025	12:00 😊 ⋮
 Manila, Philippines PHST (UTC +8) same as Beijing	Sat, 25 Oct 2025	11:00 😊 ⋮
 Bangkok, Thailand ICT (UTC +7) 1 hour(s) behind	Sat, 25 Oct 2025	10:00 😊 ⋮
 Ottawa, Canada * EDT (UTC -4) 12 hour(s) behind	Fri, 24 Oct 2025	23:00 😞 ⋮
 Singapore, Singapore SGT (UTC +8) same as Beijing	Sat, 25 Oct 2025	11:00 😊 ⋮
 Moscow, Russia MSK (UTC +3) 5 hour(s) behind	Sat, 25 Oct 2025	06:00 😞 ⋮
 Almaty, Kazakhstan UTC+5 (UTC +5) 3 hour(s) behind	Sat, 25 Oct 2025	08:00 😊 ⋮

<https://www.timeanddate.com/worldclock/converter.html?iso=20251025T030000&p1=33&p2=263&p3=367&p4=122&p5=248&p6=235&p7=145&p8=28&p9=188&p10=236&p11=166&p12=382>

Important Speeches for AIMEE2025

Join a Zoom meeting

<https://us02web.zoom.us/j/81564551725?pwd=d42US4qMWH9ISaJbfjLgXT2LdmcKc8.1>

Meeting ID: 815 6455 1725

Password: 542581

Time		Speakers
11:00-11:20	Open Ceremony	Prof. Vadym Mukhin Prof. Q.Y. Zhang Prof. Z.B. Hu
11:20-11:40	<u>AI Implications for Financial Consumer Protection: Recent Developments and Emerging Issues</u>	Prof. Margherita Mori
11:40-12:10	Integrating Deep Learning in Biomedical Engineering: Advanced Applications in Cardiovascular Diagnostics, Stroke Detection, and Rehabilitation Medicine (Keynote Speech)	Prof. Batyrkhan Omarov

12:10-12:40	Generative AI as a Virtual Partner: Assessing the Impact on Higher-Order Thinking Skills among Pre- and In-service Teachers (Keynote Speech)	Prof. Harrison Hao Yang
12:40-13:10	Methods and Algorithms of Polarization-correlation Mapping of Biomedical Images (Keynote Speech)	Prof. Yuriy Ushenko
13:10-13:40	Intelligent Evaluation of Modern Logistics Efficiency in the New Western Land-Sea Corridor Based on Slack-Based Measurement and the SBM-Malmquist Index (Keynote Speech)	Dr. Bolun Liu

<https://www.icics.net/conf/2025/AIMEE2025/index.html#keynoteSpeakers>

Section Chairs: Prof. Vadym Mukhin, Prof. Z.B. Hu

Time	Paper ID	Paper Title	Authors
14:30-15:30	3167	AI-Enhanced Traffic Flow Monitoring Algorithm Model for Highway Logistics Transportation Vehicles Based on ETC Gantry Marking Technology	Zhong ZHENG, Wanxian HE, Ganglan WEI
	3185	A Multi-Campus Academic Performance Prediction Algorithm Based on Federated Machine Learning and Neural Network	Qin JIN
	3191	Measurement of Integrity Genes in Family Businesses Based on Artificial Intelligence	Fu HAN, Ganglan WEI
	3193	Analysis of Inventory Management for Dongfeng Auto Parts Company Based on BP Neural Network	Shengnan WANG, Di LU, Weihui DU, Kevin XIONG
	3142	Intelligent Database Feature Mining Method Based on Genetic Clustering Algorithm	Lu GAO, Zhong ZHENG
15:30-16:30	3183	Multi-Factor Coupled Improved Dual-Coded Genetic Algorithm: Low-Carbon Routing Optimization in Fresh Produce Logistics with Dynamic Speed	Qing CHEN, Lu CAO, Zhongwen WANG
	3136	Research on Analysis and Evaluation Optimization of Enterprise Customs Declaration Process Based on AEO Certification	Yongyi WU, Lei ZHANG
	3208	The Impact of Regional Financial Resources on the Credit Risk of State-owned Enterprises under AI Empowerment: Based on Correlation Analysis and PCA Model	Ming TONG, Ziquan LI, Huasheng SU
	2690	<u>The Possibilities of Fuzzy Control of Autonomous Energy Systems</u>	Nataliya MUTOVKINA
	3141	Prediction of Container Throughput at Yangluo Port Based on Exponential Smoothing Method and Grey GM (1,1) Model and Intelligent Decision Support	Li LI, Liubo HU, Jian WANG
16:30-17:30	3170	The Effect Mechanism of Digital Platform AI Algorithms on Young Gig Workers' Employment Vulnerability: Based on DEMATEL-ISM Analysis	Yi Zhang, Ping LIU, Meng WANG, Yijie WANG, Xin Li
	3214	Visual Narrative and Audience Participation Mechanism Based on Human Computer Interaction Driven by AI	Bin FENG

	3134	Automatic Picking Robot Based on Deep Learning Design and Implementation	Xiaozhe YANG, Huiting LU, Junjie MO, Junxiong Zeng, Jingyuan Su, Xia Li
	3158	Standard System and Solutions for Intelligent Equipment in China's Express Delivery Industry	Dong ZHANG, Hongyan SHEN, Xi FANG, Xiaolei ZHU
	3174	Impact of Technology Readiness on User Satisfaction in Autonomous Driving under Intelligent Automation	Lixia WU, Ying WAN, Jiawen SUN
17:30-18:30	3179	Dynamic Collaborative Mechanism of Multi-Agent Supply Chain Driven by AI: Based on IoT and RL	Yan LIU, Weiping HUANG, Mohammad MUSA
	3148	Assessment and Resilience Enhancement Path of Innovative Manufacturing Supply Chain System under External Risk Impact	Lei ZHANG, Han GUI, Lingxia HOU, Chao HOU
	3215	A Hybrid Method for Electricity Bill Prediction that Integrates Signal Processing and Model Recognition Under Business Scenario Structure	Shaohong LIN, Lingyan XU, Yan WENG, Fan YANG, Sha CHEN, Jiayi LI
	3218	Establishment of Intelligent Supply Chain System and Intelligent Scheduling Modeling in Food Industry	Ying YU, Mengya ZHANG, Qingying ZHANG, Yao ZHANG
	3224	The Impact of Random Deceleration Probability on Vehicle Energy Consumption on A Road Section with Double Speed Limit Zones	Jiang ZHAO, Lanxiang WEI, Xiaoli TENG, Jingcheng HUANG, Caizhi NONG, Jinsui YANG
18:30-19:30	3195	Intelligent Evaluation of Modern Logistics Efficiency in Western Land Sea New Corridor Node Cities Based on Relaxation Metrics and SBM Malmquist Index	Bolun LIU, Zhong ZHENG, Ming TONG, Jiachen YU
	2813	<u>Resource-Efficient Fine-tuning of Large Language Models for Domain-Specific Text-to-SQL Tasks: A Proof-of-Concept Study with Enhanced Early Stopping and Resource Monitoring</u>	Mariia TALAKH, Vadim POLTORATSKYI, Valentyna DVORZHAK, Yurii USHENKO, Victor ILIN
	3219	The Impact of Social Exclusion on Frailty in Older Adults: The Mediating Role of Self-neglect and the Moderating Role of Trait Mindfulness	Ping XIAO, Ming YANG, WeiYa SHA, Ling XIANG
	2910	Analysis of Behavioral Patterns of Prisoners of War Based on Medical Indicators Using a Hybrid Genetic Algorithm and Particle Swarm Optimization	Dmytro Uhryn, Yuriy Ushenko, Dmytro Iliuk, Oleksii Iliuk, Olga Artemenko
	2912	Behavioral Patterns in Legal Proceedings of Leveraging Medical Indicators and Genetic Algorithms for Enhanced Analysis	Dmytro Uhryn, Yuriy Ushenko, Oleksii Iliuk, Andrii Masikevych, Vasyl Yatsyshyn

Sunday, 26 October 2025

Beijing time at 11:00 AM

Join the Zoom meeting

<https://us02web.zoom.us/j/89976021278?pwd=YNs7hLoyXsjzi6znfn1ANSXspSZiyQ.1>

Meeting ID: 899 7602 1278

Password: 154109

Section Chairs: Prof. Q.Y. Zhang, Prof. Z.B. Hu

Time	Paper ID	Paper Title	Authors
11:00-12:00	3190	An Exploration of the Path for Artificial Intelligence to Assist in the Competitive Performance Evaluation in University	Yao CHENG, Shu WENG, Zhiyu CUI
	3146	Static and Dynamic Evaluation of University Scientific Research Performance in the Context of Regional Innovation	Yantian WU, Zhen WAN
	3226	Intelligent Implementation of Curriculum System Evaluation in Higher Education under the Context of Digital Intelligence	Chen CHEN
	3230	Methods and Modes of Integrating Ideological and Political Elements into Logistics Courses in Universities	Rongyan ZHU, Yan LI, Yuhan LI, Jiawei SUN
	3172	Empirical Analysis of the Impact of Teachers' Ethics and Culture on Learning Atmosphere Based on Survey Data from Nanning University	Jing ZUO, Yujie HUANG, Sunjie WU, Danqian WEI, Yunping HUANG, Yue HUANG
12:00-13:00	3217	Research on Policy Synergy for the Development of Industry-Education Integration Enterprises under the "Belt and Road" Initiative	Lifang SU, Xixi GU
	3176	Construction of Talent Cultivation Plan for Undergraduate Universities Based on Horizontal Comparative Analysis: A Case Study of Nine Universities	Junwen ZHENG
	3201	The Integration Mechanism and Practical Path of Grassroots Party Building in University Dormitory Culture Construction under the New Era	Na GUO, Qin JIN
	3211	Innovation in Integrity Risk Prevention and Control Management of Universities from the Perspective of Digital Education	Yan YAN, Hang LI
	3152	Ways and Methods to Improve the Career Competency of "Dual-Qualified" Teachers in Vocational Colleges through Database Wizard and SPSS Statistics	Lili Xu, Lili Li, Feifei Hu
13:00-14:00	Break Time		
14:00-15:00	3186	Evolution of Machine Learning Course and Cultivation of Engineering Practice Ability Guided by "Project Driven + Discipline Integration" in the Era of Artificial Intelligence	Xiaozhe YANG, Huiting LU

	3155	The Design of a Mandarin Pronunciation Corrector and Its Application in Teaching	Fengmei CHEN, Yao SU, Wugang LI
	3169	Design and Practice Research of Logistics Virtual Simulation Laboratory System Based on Virtual Reality Technology	Yi PAN
	3139	PBL Based University Physics Blended Learning Driven by Stimulus Response Reinforcement Cognitive Learning Theory: A Case Study of Thin Film Interference	Fanbin TANG, Gaoyue LAO
	3145	Generative AI Assisted Second Language Writing Instruction: Effectiveness Validation and Learner Perceptions	Yaxin JIANG, Haifeng YANG
15:00-16:00	3165	Application of AI Empowered Flipped Classroom in Cultivating Innovative Talents in Higher Vocational Education: A Case Study on the Course - Cross border E-commerce Practice	Guowei HAN
	3222	Big Data-Driven Entropy Weight AHP Fusion Algorithm Based on 5E2S Model in Performance Evaluation of Large-Scale Equipment in Universities	Lei ZHANG, Shengzhuo ZHANG, Tingting GU, Mengya ZHANG
	3192	Research on Teaching Reform in International Trade Course Assisted by Artificial Intelligence	Jixu ZHU, Muhamad Zulkiflee Osman, Xiaoshi CHEN
	3197	A Study on The Impact of Sustainable Human Resource Management on Employee Career Commitment	Jinming YANG
	3150	Innovation of Pre-service Training System for College Teachers Based on Descriptive Statistics under the Reform of Talent Cultivation Mode: A Case Study of Guangxi	Jing ZUO, Yujie Huang, Quan SHI, Xianghua SU
16:00-17:00	3156	Data-Driven Reconstruction of Classroom Teaching Evaluation in Higher Education: A Framework Integrating Multimodal Analytics and AI	Weihui DU, Shengnan, WANG, Jian WANG
	3160	Design and Empirical Study of Project based Teaching in High School Basketball Curriculum Based on Constructivist Theory	Qunqun SUN, Tianxi SU, Xiaofei CHEN, Haiqing YANG
	3163	Discussion on the Construction of Job Driven Robot Engineering Practice Course System	Xiaozhe YANG, Huiting LU
	3166	Research on the verification of the learning effect of virtual simulation experiments based on the IPA model	Min WANG, Yuxiang HE
	2687	Reform of the Teaching Mode of Logistics Engineering Courses under the Background of Artificial Intelligence	Zezhi YUAN, Jiawei SUN
17:00--18:00	3132	Blended Course Design and Teaching Innovation Practice of Introduction to Logistics Engineering Supported by Digital Intelligence Technology	Shengnan WANG, Di LUa, Weihui DU, Kevin XIONG
	3138	Construction of TASQ Model for Quality Evaluation of SCM Talents under the Background of AI	Ying YU, Mengya ZHANG, Xueyan LI, Qingying ZHANG, Yao ZHANG
	3204	Competition-Driven Integration of Vocational Education and Innovation in Railway Engineering	Pan ZHAO, Zheng JIANG

	3154	Application Status and Improvement Strategies of AI in Higher Education: An Empirical Analysis Based on an AI Application Innovation Competition	Chang LIU, Wan AI
	3143	Mechanism and Model Design of the "3+2" Joint Education: A Case Study on Cultivating Intelligent Logistics Management Talents	Lu CAO, Meng WAGN, Qing CHEN, Zhongwen WANG
18:00-18:45	2915	Digital Reconstruction of Digestive Physiology as Legal Evidence in International Justice	Zhengbing Hu, Dmytro Uhryn, Yuriy Ushenko, Dmytro Iliuk, Oleksii Iliuk, Oleh Pastukh
	2917	Skin-embedded AI Toward a Behavioral Pattern-driven Human-machine Interface	Cennuo Hu, Dmytro Uhryn, Yuriy Ushenko, Oleksii Iliuk, Victoria Vysotska
	2811	Two-point Mueller-matrix Biomedical Image Processing	Yurii Ushenko, Weidong Dou, Xinlei Yao, Alexander Ushenko, Mikhailo Gavrilyak, Jun Zheng, Olexander Dubolazov, Iryna Soltys, Olexander Olar, Vitaly Rozhko, Vasyl Garasym, Victoria Kyfyak, Olena Vinnychuk
	2812	Methods and Algorithms of Polarization-correlation Mapping of Biomedical Images	Yuriy Ushenko, Weidong Dou, Biyun Shi, Alexander Ushenko, Olexander Dubolazov, Yuriy Tomka, Mikhailo Gavrilyak, Alexandra Lytvynenko, Victoria Kyfyak, Olena Vinnychuk

Note: One author of each paper needs to give an online presentation; otherwise, the paper will be removed from the conference book. If you have any questions, please contact us by email aimee@icics.net.