

The 10th International Conference of Artificial Intelligence, Medical Engineering, Education (AIMEE2026)

24-25 October 2026

Guiyang, China

AIMEE2026 Conference Program



Conference Sponsors

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AIMEE2026 Conference Schedule – Online

Saturday, 24 October 2026

Beijing time at 11:00 AM

Time Zone Table

 Beijing, China CST (UTC +8)	Sat, 24 Oct 2026	11:00 😞 ⋮
 Washington DC, DC, USA * EDT (UTC -4) 12 hour(s) behind	Fri, 23 Oct 2026	23:00 ☹️ ⋮
 Kyiv, Ukraine * EEST (UTC +3) 5 hour(s) behind	Sat, 24 Oct 2026	06:00 ☹️ ⋮
 Kuala Lumpur, Malaysia MYT (UTC +8) same as Beijing	Sat, 24 Oct 2026	11:00 😞 ⋮
 Tokyo, Japan JST (UTC +9) 1 hour(s) ahead	Sat, 24 Oct 2026	12:00 😞 ⋮
 Seoul, South Korea KST (UTC +9) 1 hour(s) ahead	Sat, 24 Oct 2026	12:00 😞 ⋮
 Manila, Philippines PHST (UTC +8) same as Beijing	Sat, 24 Oct 2026	11:00 😞 ⋮
 Bangkok, Thailand ICT (UTC +7) 1 hour(s) behind	Sat, 24 Oct 2026	10:00 😞 ⋮
 Ottawa, Canada * EDT (UTC -4) 12 hour(s) behind	Fri, 23 Oct 2026	23:00 ☹️ ⋮
 Singapore, Singapore SGT (UTC +8) same as Beijing	Sat, 24 Oct 2026	11:00 😞 ⋮
 Moscow, Russia MSK (UTC +3) 5 hour(s) behind	Sat, 24 Oct 2026	06:00 ☹️ ⋮
 Almaty, Kazakhstan UTC+5 (UTC +5) 3 hour(s) behind	Sat, 24 Oct 2026	08:00 😞 ⋮

<https://www.timeanddate.com/worldclock/converter.html?iso=20261024T030000&p1=33&p2=263&p3=367&p4=122&p5=248&p6=235&p7=145&p8=28&p9=188&p10=236&p11=166&p12=382>

Saturday, 24 October 2026

Beijing time at 11:00 AM

Opening Ceremony and Keynote Address for AIMEE2026

Join a Zoom meeting

<https://us02web.zoom.us/j/89419709811?pwd=bANcFyUT2wddrk0rTiA3NhDA1uGHnr.1>

Meeting ID: 894 1970 9811

Password: 486070

Moderator of the Opening Ceremony: Prof. Vadym Mukhin (11:00-13:00)

Time		Speakers
11:00-11:20	Open Ceremony	Prof. Vadym Mukhin Prof. Q.Y. Zhang Prof. Z.B. Hu
11:20-11:55	From Local Policy to Global Pedagogy: Empowering Educators for the Age of AI (Keynote Speech)	Prof. Harrison Hao Yang
11:55-12:25	Development and Future of Deep Learning (Keynote Speech)	Prof. Francis Y.L. Chin
12:25-13:00	Next-generation 3D Jones-matrix Reconstruction: Mapping Multifractal Optical Anisotropy in Complex Soft Matter Architectonics (Keynote Speech)	Prof. Yuriy Ushenko

<https://www.icics.net/conf/2026/AIMEE2026/index.html#keynoteSpeakers>

Saturday, 24 October 2026

Beijing time at 14:00 AM

Join a Zoom meeting

<https://us02web.zoom.us/j/89419709811?pwd=bANcFyUT2wddrk0rTiA3NhDA1uGHnr.1>

Meeting ID: 894 1970 9811

Password: 486070

Section Chairs: Prof. A.V. Petrashenko (14:00-20:30), Prof. Z.B. Hu

Time	Paper ID	Paper Title	Authors
AREA 1: ARTIFICIAL INTELLIGENCE			
14:00-15:00	3591	A Residual-Correction Hybrid Framework for Power Grid Material Demand Forecasting	Minling HE, Youchun YE, Jinjing YUAN, Yang JIN, Mingrui XU
	3579	Multi-Objective Intelligent Scheduling Optimization for Pharmaceutical Cold Chain Based on an Improved ALNS Algorithm	Yuhang YAN, Mengya ZHANG, Qingying ZHANG, Lijing DU
	3501	Research Hotspots and Trend Analysis in the Field of Vehicle Routing and scheduling Based on Knowledge Graph	Zezhi YUAN, Richard LIU
	3522	YOLOv8-Based Intelligent Classification and Recycling System for Express Delivery Packaging	Shengnan WANG, Qingying ZHANG, Jiawei SUN
	3550	Design and Implementation of an Emotional Companion Electronic Pet System Based on Large Language Model and Embedded Control Collaboration	Ting YANG, Mingqi WEI, Yanhui LIU, Fang LIU
15:00-16:00	3595	An Empirical Study of YOLO11 Architectural Improvements for UAV-Based Road Damage Detection- P2 Head and Reparameterized Convolutions Do Not Outperform the Baseline under Domain Shift	Ziang CHENG, Zhihan TANG, Hongtao CHEN, Chengxiang XU, Huaiyu XIA, Wen XU
	3587	Model Analysis of the Impact of the Length and Value of Speed Limit Zones on the Energy Consumption of Traffic Flow in Double Speed Limit Sections	Jiang ZHAO, Lanxiang WEI, Xiaoli TENG, Zongping MA, Qitang ZHENG, Jiaxue HUANG
	3514	Door Recognition for Autonomous Navigation of Mobile Manipulators	Fuming LAN, Yanfang YANG, Jia LI, Zhi WANG, Wenjun SHAO, Junfeng WU
	3545	Few-Shot Bearing Fault Diagnosis Based on Large Language Models	Yaojia ZHANG, Jingjing CAO, Yanfang YANG, Rui XU, Lu QIAN
	3555	A Perception-Cognition-Decision Framework for Low-Altitude Emergency UAV Delivery in Natural Disaster Scenarios: System Design and Path Optimization	Shengnan WANG, Qingying ZHANG, Jiawei SUN
16:00-17:00	3558	A Small Non-Destructive Flower Picking Device Based on Flexible Mechanical Claws and Yolov8 Visual Positioning	Jingyuan SU, Xiaozhe YANG, Junxiong ZENG, Xia LI
	3563	Safety Risk Assessment of Urban Heating Pipeline System Based on AHP-RS-SVM: A Case Study of Huizhou City	Lei ZHANG, b, c, Xiaoshi CHEN

	3575	Energy-Demand-Oriented RTG Operating Condition Identification Using a Multi-Task InceptionTime Model	Xiaopeng SHEN, Xuan CHENG, Jiahe SHEN, Bo DU, Jianming YUAN, Bin CHEN
	3512	Performance Optimization Analysis of Virtual Reality Engine in Metaverse under Digital Intelligent Network Technology	Nan WANG
	3504	Mechanisms of Employee-AI Collaboration: A Dual-Mediation Model Based on the Self-Determination Perspective	ShaofenFANG, YiZHANG, Qianhao ZHENG
17:00-17:30		Break Time	
17:30-18:30	3510	Empirical Investigation of Marketing Strategies and Market Development for Green Brick Tea New Season Products Based on K-Means Cluster Analysis	Cheng ZHU, Yang ZHAO, Zhaozhe WU Juanjuan PENG, Wenyu LI, Xinyu ZHOU, Lanxin ZHANG, Jiani ZHENG
	3511	Construction of an Evaluation Index System for Huizhou's New Quality Productive Forces Oriented toward the Modern Industrial System Based on AHP	Xiaoshi CHEN, Jixu ZHU, Muhammad Zulkiflee Osma
	3524	Artificial Intelligence Awareness and Employees' Artificial Intelligence Usage in Workplace: The Important Role of Employees' Growth Need Strength	Ping LIU, Meng WANG, Yi ZHANG, Xin LI
	3537	Evaluation System and Pathways of New Quality Productive Forces Driving High-Quality Development of Manufacturing in Huizhou	Jixu ZHU, Xiaoshi CHEN, Muhammad Zulkiflee Osma
	3538	Evaluation and Promotion Strategy of Agricultural Products Emergency Supply Chain Network Resilience	Yang HU, Aiman Magde Abdallah Ahme
18:30-19:30	3552	Qualitative Case Study on the Innovation of Chinese Green Brick Tea Supply Chain Model Based on 4P and 3R Patterns	Yang ZHAO, Zhaozhe WU, Juanjuan PENG, Cheng ZHU, Xinyu ZHOU, Wenyu LI, Lanxin ZHANG, Jiani ZHENG
	3561	Digital Transformation of Local Commercial Banks and Agricultural Green Total Factor Productivity	Yao XIAO, Man YANG, Jiachen YU
	3585	Supply Chain Carbon Footprint of New Energy Vehicles: Integrating Critical Raw Materials, Component Manufacturing, and End-of-Life Recycling	Rongyan ZHU, Yan LI, Xin LI, Jun SU
	3588	Patient Capital, Platform Ecosystem Embeddedness and Supply Chain Resilience: Empirical Analysis Based on Quasi-Natural Experiment	Renxiang WANG, Xiaokang YI, Man YANG, Jiachen YU
	3518	Multimodal Deepfake Detection via Video-Audio-Text Consistency Modelling Based Media Analysis with Self-Attention, Cross-Attention, and Adaptive Fusion	Jingli ZHENG, Victoria VYSOTSKA, Lyubomyr CHYRUN, Serhii VLADOV, Artem VYSOTSKY, Dmytro UHRYN, Yurii USHENKO and Artem KALANCHА
	3509	Multi-Granularity Similarity and Two-Stage Analysis for Headline-Article Consistency Assessment in Ukrainian Mass Media News	Sofiia BARYLKO, Victoria VYSOTSKA, Lyubomyr CHYRUN, Serhii VLADOV, Shaocheng QU, Dmytro UHRYN, Yurii USHENKO and Artem KALANCHА

2: MEDICAL ENGINEERING			
19:30-20:30	3546	I-ACO Attention-Enhanced Two-Stage UNet++ for Multimodal ECG Reconstruction and Arrhythmic-Waveform Restoration	Yuliang BEN, Deshen LV, Junsheng QIN
	3503	Comparative Evaluation of Ethanol Precipitation and Immobilized Metal Affinity Chromatography for Alcohol Dehydrogenase Purification	Yuxuan XIA
	3527	Exploration of the Relationship between Body Load and Morphological Deformation Based on Force Transmission Mechanism and Key Threshold Compensation	Fengmei CHEN, Cailing GAO, Shiling HUANG, Tuoxin WANG, Wugang LI
	3583	Correlation between Physical Exercise and NSSI Behavior among College Students: An Analysis based on Variable Center and Individual Center	Qunqun SUN, Jiongshen YE, Sihong SUI, Hao GOU, Faxiang FAN
	3526	Phase-Selective Two-Point Polarization-Correlation Mueller-Matrix Imaging and Its Initial Physical Verification in Brain Tissue ex vivo	Oleksandr USHENKO, Jun ZHENG, Victor BACHYNSKY, Marta GARAZDIUK, Oleg VANCHULIAK, Yurii USHENKO, Weidong DOU, Oleksandr DUBOLAZOV, Mykhailo GAVRYLYAK, Vasil HARASYM, and Volodymyr MISHALOV
	3541	Phase-Selective Two-Point Polarization-Correlation Mapping of Blood Films at Minimum Residual Depolarization	Yurii USHENKO, Weidong DOU, Oleksandr USHENKO, Jun ZHENG, Oleksandr DUBOLAZOV, Iryna SOLTYS, Mykhailo GAVRILYAK, Diana OLAR, Mykhailo GORSKY, Yurii TOMKA
	3559	Phase-selective Single-point Polarization Mapping of Saliva Films within the 0 to $\pi/8$ Window in Oral Squamous Cell Carcinoma	Oleksandr USHENKO, Jun ZHENG, Yurii USHENKO, Weidong DOU

Sunday, 25 October 2026

Beijing time at 11:00 AM

Join the Zoom meeting

<https://us02web.zoom.us/j/83174216759?pwd=wtoSrLqrQHJVlcx7kpFO4Z50IMSoD3.1>

Meeting ID: 831 7421 6759

Password: 304090

Section Chairs: Prof. A.V. Petrashenko (11:00-13:00), Prof. Vadym Mukhin (14:00-19:30), Prof. Q.Y. Zhang

Time	Paper ID	Paper Title	Authors
AREA 3: EDUCATION			
11:00-12:00	3520	Identification and Early Warning of Inefficient Repetitive States (LRS) in Programming Learning Based on an HMM-XGBoost Framework	Fang LIU, Ting YANG, Tao LIU, Lin FENG
	3523	Reform and Practice of AI-Empowered Course Teaching Based on Bloom's Taxonomy of Educational Objectives	Qinqin WEI, Jiaqi LI, Zhiying ZHANG
	3560	Evaluation of the Effectiveness of AI-Empowered BOPPPS Teaching Models: Based on Experimental Data from Intermediate Financial Accounting	Yeye ZHOU, Zhengyu HU, Chunhua HU
	3574	A Comparative Study of Machine Learning Classification Algorithms for Early Prediction of Student Academic Performance: A Mixed-Methods Educational Data Mining Approach	Shuaixi WANG, Yujie PENG, Kevin_XIONG
	3584	Reverse Learning in AI Environments: AI-Enabled Paradigm Reconstruction and Ecological Evolution in Higher Education	Bing YI, Jimin HAN
12:00-13:00	3592	A Rubric-Guided Generative AI System for Automated Assessment and Feedback in Software Practical Training: Design, Implementation, and Evaluation	Shujun LI, Bin LI
	3593	Perceived Efficacy, Technology Anxiety, and College Students' GenAI Use Behavior: An Empirical Study on the Non-linear Effect of Technology Anxiety	Yifan WANG, Liping XIANG, Yi CHEN, Aohan LI
	3594	A Matroid-Based Theory of Learning Strategy Optimization: Evidence from English Vocabulary Learning in Young Children	Mengsiying LI
	3566	Content Governance Mechanism and Quality Assurance System for University Converged Media Platforms in the Era of Digital-Intelligent Empowerment	Xiaojing QIN, Yanxi YANG
	3513	Reflections on the Construction of Electronic Technology Courses in the Era of Brain-Computer Interfaces and Embodied Intelligence	Xiaofei NIU, Miao FANG, Miaomiao XIE, Jinhui SHI, Cheng ZUO, Shengshi MEI, Haifeng XU, Yao ZHANG
13:00-14:00		Break Time	

14:00-15:00	3525	Digital Intelligent Reform and Practice of Basic Mechanics Curriculum System for Naval Architecture and Ocean Engineering	Dan HU, Tianhang WU, Fen LI, Wei CHEN, Liang SUN, Jian WANG
	3505	Construction of a Practical Teaching Model for Applied Undergraduate Education from the Perspective of Industry-Education Integration	Mo FAN
	3507	Integrated Innovation of Ideological and Political Education with Professional Teaching in the Hydraulics Comprehensive Experiment Course	Yingjiang ZHAO, Fan LEI, Chaoyan HUANG, Xiaosa ZHAO
	3515	AI-Empowered, Green-Guided, Competition-Driven: Three-Dimensionally Embedded Experimental Teaching Model for Logistics E-Marketing	Qing CHEN, Kevin XIONG
	3530	Exploration on the Ideological and Political Construction of "Road Engineering CAD" Course Based on the "SET + High-Order, Innovation and Challenging" Framework	Jing XIA, Bing LIU, Yao ZHANG
15:00-16:00	3544	Teaching Reform of SCM in the Context of Digital and Intelligent Transformation from Perspective of IE Integration	Yan LIU, Chunhua LI, Jun YAO
	3567	Construction of an Immersive Curriculum-Based Ideological and Political Education Model for International Trade Practice Based on Enterprise Simulation Competition	Yanfang PAN, Longtang NING, Jian WANG
	3573	Construction and Practice of AI- Empowered Molecular Virology Three-level Modular Experimental Teaching Model	Jing LI, Zhiwang HUANG, Danlu LIU, Hao XIE, Yihui BAN
	3577	Generalized Experimental Teaching Mode from Laboratory Prototype to Industrial Application-A Case Study of PalmerConchuang Medical Monitoring Project	Wensi HAN, Zejiang PAN, Xiaokuan LI
	3519	Quantitative Diagnosis and Enhancement Strategies for College Counselors' Mental Health Teaching Competence: SWOT-AHP Dual Model Analysis	Guangrong TANG, Na GUO
16:00-17:00	3531	Exploring the Modernization Path of University Department Governance Under Technological Empowerment: Case Study on School of Materials Science and Engineering at WUT	Xiaohan LUO
	3534	From Platform Operation to Human-AI Collaboration: Diagnosing and Rebuilding Teacher Digital Competence in Vocational Education in the Generative AI Era	Zheng LIU, Zheng JIANG, Li CHENG
	3549	Risk Assessment and Governance of Intelligent Transformation of Government Procurement in Higher Education Institutions	Yujie HE, Wenzhe ZHAO
	3569	Influencing Factors of Online Public Opinion in Colleges and Universities Based on ISM-AHP	Lei YE, Jia WU, Xiaolan HU, Zhongwen WANG
	3589	Integrating Postgraduate Party Building and Academic Research: A Mixed-Methods Case Study of WHUT	Yanyi CHEN, Shengping DONG, Yahong ZHENG, Jingjing GUO
17:00-17:30		Break Time	

17:30-18:30	3516	Craftsman Cultivation via Intelligent Rail Transit & Lifelong Empowerment: Innovation of the Ideological and Political Education Paradigm for Lifelong Education in Higher Vocational Rail Transit Majors	Lili LI, Yayun WANG, Feifei HU, Xuannan CHEN
	3547	Comparative Study of Vocational Education and Training Resources between China and Korea Based on the Six-Dimensional Analysis Framework	Nan LUO, Zheng JIANG, Siming MA
	3572	Formation Mechanism of Continuing Education Service Capability in Railway Vocational Colleges from the Perspective of Industry-Education Integration	Jin WU, Xi CHU, Zheng JIANG
	3540	Impact Mechanism of Digital Literacy on Profession Adaptability of Vocational College Students Majoring in Culture and Tourism in the Digital Intelligence Era	Qinqin YAN
	3582	Construction of Cross-border E-commerce Talent Profile and Exploration of Personalized Training Path Based on Improved K-means	Ping SHANG, Wan ZHANG, Ai WANG
18:30-19:30	3590	The Impact of Perceived School-Enterprise Collaborative Education on Student Outcomes: Evidence from a Huawei Industrial College	Jing ZUO, Hanning YANG
	3517	Talent Selection for Basketball Majors in Sports Colleges in the Context of AI Empowering Smart Sports	Mingyu QI, Jiongshen YE, Yijun HUA, Qunqun SUN, Sihong SUI
	3529	Construction of a Logical Coupling Model for the Digital Transformation of Sports Presentation in the Context of Digital Era	Ziye WANG, Hongyu SUN, Yuqing CHENG
	3556	The Relationship between Generative AI Sports Health Knowledge Acquisition and College Students' Physical Exercise Behavior: The Chain Mediating Role of Digital Health Literacy and Exercise Intention	Qunqun SUN, Jiongshen YE, Sihong SUI, Hao GOU, Faxiang FAN
	3576	The Core Qualities and Training Path of Professional Talents in the Digital Transformation Period of Sports Presentation in the Era of Omnimedia	Ziye WANG, Hongyu SUN, Yuqing CHENG
	3533	Alienation and Reconstruction of College Students' Subjectivity in the Context of Artificial Intelligence Generated Content	Xinshuai ZHANG, Lixia WU, Xiulin DENG, Richard LIU

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.