

The 8th International Conference on Big Data and Education (ICBDE 2025), with the overarching theme of "From Data to Insights: Leveraging Big Data in Online Education," will be held in Beijing, China from October 25-27, 2025. Organized by Beijing Spring Institute of Education, hosted by North China University of Technology, China and supported by Rajamangala University of Technology Krungthep, Thailand, this premier event aims to discuss the latest advancements in big data and its applications in education. With a strong industry expert committee and renowned experts sharing their latest research results and experiences, ICBDE 2025 is poised to be a significant platform for shaping the future of online education in the era of big data.


CONFERENCE History


Publication

Conference Proceedings: Accepted papers of ICBDE 2025 after proper registration and presentation will be published in the ICBDE 2025 conference proceedings. Conference content will be submitted for indexing by Ei Compendex and Scopus.

ICBDE 2024-ISBN: 979-8-4007-1698-0 | In Indexing Process
 ICBDE 2023-ISBN: 979-8-4007-0822-0 | ACM Digital Library | Indexed by: Ei Compendex and Scopus
 ICBDE 2022-ISBN: 978-1-4503-9579-3 | ACM Digital Library | Indexed by: Ei Compendex and Scopus
 ICBDE 2021-ISBN: 978-1-4503-8938-9 | ACM Digital Library | Indexed by: Ei Compendex and Scopus
 More information, please kindly check <https://www.icbde.org/>

Submission Methods

(Choose one of the two, no duplicate submissions)

1. Online System: <https://www.zmeeting.org/submission/ICBDE2025>
2. Email: icbde@academic.net

Important Dates

Submission Deadline	Notification Deadline	Early Bird Registration Deadline
May 30, 2025	June 30, 2025	July 20, 2025

CALL FOR PAPERS

Prospective authors are invited to submit high-quality original technical papers for presentation at the conference and publication in the conference proceedings. Please check the topics of ICBDE 2025. The topics are not limited to those as below:

Topic 1: Big Data Science

Novel theoretical models for educational data
 Computational methods for educational data analysis
 Data mining techniques in online learning
 Predictive analytics for student performance
 Big data visualization in education
 Data-driven insights for curriculum improvement
 Ethical considerations in big data science
 Scaling data models for educational environments

Topic 2: Big Data Applications

Personalized learning through big data
 Big data for intelligent tutoring systems
 Data-driven strategies for course design
 Adaptive learning technologies using big data
 Big data in student assessment
 Case studies of big data in online education
 Real-time learning analytics applications
 Leveraging big data for student retention

Topic 3: Big Data Management

Data governance frameworks in education
 Cloud-based big data solutions for schools
 Ensuring data privacy in educational systems
 Real-time data processing for online education
 Integrating multiple data sources in education
 Data quality and consistency management
 Data security protocols for educational data
 Managing large-scale student data sets

Topic 4: AI in education

AI-driven analytics for personalized learning
 Machine learning models for student success prediction
 AI-based assessment tools in education
 Detecting learning gaps with AI and big data
 Automating curriculum design with AI
 Ethical implications of AI in education
 AI and big data for intelligent classroom management
 AI-driven feedback systems for students

Topic 5: Digital Learning

Enhancing digital classrooms with big data
 Learning analytics for digital course delivery
 Data-driven strategies for improving student engagement
 Personalization of digital learning experiences
 Gamification using big data insights
 Big data for improving learning outcomes
 Learning behavior analytics in digital platforms
 Data visualization tools for digital education

Topic 6: STEM Education

Big data for STEM curriculum design
 Predictive analytics in STEM education
 STEM student engagement using big data
 Data-driven teaching strategies in STEM
 Big data to track STEM student performance
 Enhancing STEM teaching with big data tools
 Personalized learning paths for STEM students
 Data applications in STEM-based assessments

For more topics, please click this link: <https://www.icbde.org/cfp.html>

Organized By  **北京思博锐教育科技院**
 Beijing Spring Institute of Education

Hosted By  **北方工业大学**
 NORTH CHINA UNIVERSITY OF TECHNOLOGY

Supported by 

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