Call for Papers

The 11th International Conference on Big Data, Cloud Computing, and Data Science (BCD 2027-II)

July 15-17, 2027
Hohhot, Inner Mongolia, P.R, China



Important Dates

Workshop/Special session proposal:	January 10, 2027
Full Paper Submission:	May 14, 2027
Acceptance Notification:	May 28, 2027
Camera-Ready Papers & Registration:	June 11, 2027
Conference Dates:	July 15-17, 2027

The 11th International Conference on Big Data, Cloud Computing, and Data Science (BCD 2027-II) brings together scientists, engineers, computer users, and students to exchange and share their experiences, new ideas, and research results about all aspects (theory, applications and tools) of Conference on Big Data, Cloud Computing, and Data Science, and discuss the practical challenges encountered and the solutions adopted. The conference will cover a broad set of research topics.

Scope and Topics of Interest

Big Data and Data Analytics

- Big Data Analytics and Architectures
- Data Mining and Knowledge Discovery
- Statistical learning, and large-scale analytics
- Data Fusion and Real-Time Data Analytics
- Large-Scale Data Processing and Analytics
- Distributed Data Science and Data Management
- Data Quality, Integration, and Governance
- Graph Analytics and Network Data
- High-Performance Data Analytics
- Data Visualization and Decision Support
- Multimodal Data Analytics
- Quantum Analytic

Cloud, Edge, and Distributed Computing

- Cloud Computing Architectures and Services
- Cloud-Native Computing
- Edge Intelligence and Fog Computing
- Cloud-Edge-IoT Integration
- Serverless and Distributed Computing
- Resource Management and Optimization
- Cloud Orchestration and Virtualization
- Cloud Security and Privacy
- Multi-Cloud and Hybrid-Cloud Environments
- Energy-Efficient and Sustainable Cloud Computing

Artificial Intelligence and Machine Learning

- Machine Learning and Deep Learning for Big Data
- Generative AI and Large Language Models for Big Data
- Multimodal Big data Analytics
- Distributed and Federated Computing for Big Data Processing
- Explainable and Trustworthy AI Big Data Analytics
- AI Optimization and Efficient AI for Big Data and Cloud Computing

- Agentic AI and Intelligent Big Data Autonomous Agents
- LLM-Based Agents for Big Data Decision-Making
- Trustworthy, Explainable, and Safe Agentic AI for Big Data
- AI for Autonomous and Intelligent Big Data Systems

Data Science and Applications

- Data-Driven Decision-Making and Intelligent Analytics
- Statistical Learning and Data Modeling
- Data Visualization and Visual Analytics
- Time-Series Analysis and Forecasting
- Healthcare and Biomedical Data Science
- Smart Cities and Intelligent Big Data Infrastructure
- Intelligent Transportation and Autonomous Vehicles
- UAVs and Aerial Autonomous Systems with Big Data Analytics
- Big Data Analytics for Robotics Systems
- Business, Economics, and Financial Big Data Analytics
- Industrial Automation and Intelligent Manufacturing with Big Data
- Environmental Monitoring and Sustainable Big Data Systems
- Big Data Energy Analytics
- Digital-Twin-Enabled Big Data Applications

Security, Privacy, and Resilience

- Big Data Security and Privacy
- Cloud and Edge Security
- Data Privacy, Access Control, and Security Analytics
- Adversarial Machine Learning for Big Data Security
- AI-Driven Cybersecurity and Big Data Security Analytics
- Big Data Analytics for IoT and Cyber-Physical Systems Security
- Security of Agentic Systems for Big Data
- AI-Enabled Threat Intelligence and Big Data Analytics
- Blockchain for Big Data Security and Analytics
- Secure and Resilient Distributed Big Data Systems

Submission Types

- Full Paper
- Short Paper
- Special Session Paper (invitation only)

Submission Instructions

Authors who are interested in the above topics can submit their unpublished work to the conference via Easychair. A clear indication of motivation and comparison with prior related work should be

presented. Simultaneous submission to a journal or another conference with refereed proceedings is not allowed.
Submissions must adhere to the following guidelines:

- Papers must be formatted using IEEE Conference templates file without altering margins or the font point.
- The maximum length is 8 pages for a regular paper and is 4 pages for a short paper (including references).
- Proofs omitted due to space constraints must be placed in an appendix to be read by the program's committee members at their discretion.
- Please put the "ICIS2027:" in front of your paper title.

Best Paper Award
Conference officers will select papers for the Best Paper Award. (To qualify for an award, the paper must be presented at the conference.)

Publication
BCD 2027 Proceedings will be published by Conference Publishing Services and will be submitted to be indexed by EI, INSPEC, and DBLP.
Conference officers will select outstanding papers for publication in the following journals (www.acisinternational.org):

- International Journal of Networked and Distributed Computing (IJNDC), Springer, Germany
- International Journal of Software Innovation (IJSI), IGI Global, U.S.A.
- International Journal of Big Data Intelligence and Applications (IJBDIA), IGI Global, USA
- Studies in Computational Intelligence (SCI), Springer, Germany

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