IEEE CBDCom 2025

The 11th IEEE International Conference on Cloud and Big Data Computing

October 21-24, 2025 - Hakodate, Hokkaido, Japan http://cyber-science.org/2025/cbdcom

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IMPORTANT DATES

Workshop/SS Proposal Due:	May 20, 2025
Regular Paper Submission Due:	Jun. 10, 2025
WiP/Workshop/SS Paper Due:	Jun. 20, 2025
Author Notification:	Aug. 11, 2025
Paper Registration:	Sep. 05, 2025
Camera-ready Submission Due:	Sep. 12, 2025

The IEEE International Conference on Cloud and Big Data Computing is a premier forum for researchers, practitioners and developers who are interested in cloud computing and big data to explore new ideas, techniques and tools, as well as to exchange experience. Besides the latest research achievements, the conference covers also innovative commercial data management systems, innovative commercial applications of cloud computing and big data technology, and experience in applying recent research advances to real-world problems.

IEEE CBDCom 2025 will be the 11th edition of the conference after the success of CBDCom 2015 in Beijing, CBDCom 2016 in Toulouse, CBDCom 2017 in San Francisco, CBDCom 2018 in Guangzhou, CDBCom 2019 in Fukuoka, CDBCom 2020 in Calgary, CDBCom 2021 held virtually, CDBCom 2022 in Calabria, CDBCom 2023 in Abu Dhabi, and CBDCom 2024 in Boracay Island. It will continuously offer a platform for researchers to exchange novel studies, discuss important issues and explore key challenges in innovative cloud and big data for smarter world. IEEE CBDCom 2025 will be held on October 21-24, in Hakodate, Hokkaido, Japan, co-located with IEEE CyberSciTech 2025, IEEE PICom 2025, and IEEE DASC 2025. It aims to bring together computer scientists, engineers and researchers from academia and industry to discuss and exchange experimental and theoretical results, work-in-progress, novel designs, and future trends in cloud and big data innovations.

IEEE CBDCom 2025 Tracks and Topics

Track 1: Theories, Algorithms and Applications
- ✧ Big Data Fundamentals & Novel Paradigms
- ✧ Big Data Models and Algorithms
- ✧ Big Data Applications and Services
- ✧ Big Data Mining and Analytics
- ✧ Multimodal Big Data Computing
- ✧ Cloud and Big Data Intelligence
- ✧ Cloud-Native Theories and Algorithms
- ✧ Cloud-Based Quantum Computing

Track 2: Systems, Management and Security
- ✧ Big Data Cloud and Stream Computing
- ✧ High Performance Platforms for Big Data
- ✧ NoSQL Data Stores and DB Scalability
- ✧ Energy-Efficient Computing for Big Data
- ✧ Recommendation & Social Media Systems
- ✧ Big Data Availability and Reliability
- ✧ Big Data Protection and Privacy
- ✧ Big Data Security Management

Track 3: IoT and Smart Technologies
- ✧ Dependable Big Data Processing
- ✧ RFID & Related Technologies for IoT
- ✧ M2M Communications and IoT
- ✧ IoT, Smart City and Smart Agriculture
- ✧ Blockchain for Cloud and Big Data
- ✧ Smart Contract/DLT in Cloud and Big Data
- ✧ Data Ownership, Right, Policy and Laws
- ✧ Energy-Efficient Computing for Big Data

Track 4: Networking and Communications
- ✧ Cloud & Big Data Networking
- ✧ Network Architectures for Big Data
- ✧ 5G/6G Networks for Big Data Applications
- ✧ Edge Computing Networking Technologies
- ✧ Cloud Data Center Networks
- ✧ Communication Systems for IoT
- ✧ SDN/NFV for Big Data
- ✧ Quantum Data Centers and Networking

CBDCom 2025 Submissions and Publications

IEEE CBDCom 2025 calls for original papers, together with workshop and special session (SS) proposals, which focus on specific subjects related to cyber science and technology.

All accepted regular and work-in-progress (WiP) papers as well as workshop, SS, and poster papers will be published by IEEE in the Conference Proceedings (IEEE-DL and EI indexed). Selected high quality papers will be recommended to prestigious journal special issues.

Three Co-located IEEE International Conferences

- ◆ The 10th IEEE Cyber Science and Technology Congress (CyberSciTech 2025)
- ◆ The 23rd IEEE Int'l Conf. on Dependable, Autonomic & Secure Computing (DASC 2025)
- ◆ The 23rd IEEE Int'l Conf. on Pervasive Intelligence and Computing (PICom 2025)

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