

## Organizing Committee

### Honorary Chair

Minyi Guo, Shanghai Jiao Tong University

### General Chair

Peng Li, The University of Aizu

### General Executive Chairs

Bernady O. Apduhan, Kyushu Sangyo University

Moayad Aloqaily, Mohamed bin Zayed University

### Program Chairs

Kouichi Sakurai, Kyushu University

Xu Chen, Sun Yat-Sen University

Tzu-Chuen Lu, Chaoyang University of Technology

### Track Chairs

Qiang He, Huazhong Univ. of Science and Technology

Xianfu Chen, VTT Tech. Research Centre of Finland

Huawei Huang, Sun Yat-Sen University

Jin Nakazato, Tokyo University

### Workshop & Special Session Chair

Bo Wu, Tokyo University of Technology

### Publicity Chairs

Fahao Chen, The University of Aizu

Kemas Rahmat Saleh Wiharja, Telkom University

### Publication Chair

Ao Guo, Nagoya University

### Steering Committee

Jianhua Ma, Hosei University

Laurence T. Yang, St. Francis Xavier University

Julien Bourgeois, UBFC

Anna Kobusińska, Poznań University of Technology

Peng Li, The University of Aizu

Huansheng Ning, Univ. of Sci. & Tech. Beijing

Mazin Yousif, T-Systems International

Albert Zomaya, The University of Sydney

### Advisory Committee

Shawkat Ali, Fiji National University

Victor Chang, Teesside University

Christophe CERIN, University of Paris XIII

Georges Da Costa, IRIT

Jerry Gao, San Jose State University

Frank Hsu, Fordham University

Carson Kai-Sang Leung, University of Manitoba

Jianbin Li, North China Electric Power University

Paulo Pires, Federal University of Rio de Janeiro

Yinglong Xia, Huawei Research America

Weishan Zhang, China University of Petroleum

Felix Freitag, Universitat Politècnica de Catalunya

Tsozen Yeh, Fu Jen Catholic University

### IMPORTANT DATES

Workshop/SS Proposal Due: Apr. 15, 2024

Regular Paper Submission Due: Jun. 15, 2024

WiP/Workshop/SS Paper Due: Jul. 15, 2024

Authors Notification: Aug. 15, 2024

Camera-ready Submission: Sep. 15, 2024

# IEEE CBDCom 2024

The 10th IEEE International Conference on Cloud and Big Data Computing

November 5-8, Boracay Island, Malay, Philippines

<http://cyber-science.org/2024/cbdcom>

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 2024 will be the 10th 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, CBDCom 2019 in Fukuoka, CBDCom 2020 in Calgary, CBDCom 2021 held virtually, CBDCom 2022 in Calabria, and CBDCom 2023 in Abu Dhabi. 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 2024 will be held in November 5-8, 2024, co-located with IEEE CyberSciTech 2024, IEEE PICom 2024, and IEEE DASC 2024. 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 2024 Tracks and Topics

### Track 1: Theories and Algorithms

- ✧ Big Data Fundamentals and Novel Paradigms
- ✧ Big Data Algorithms, Applications & Services
- ✧ Big Data Mining and Analytics
- ✧ Big data Processing and Querying
- ✧ Big Data Computing & Recommendations
- ✧ Learning techniques for Cloud and Big Data
- ✧ Cloud-Native Theories and Algorithms

### Track 2: Systems and Management

- ✧ Big Data Cloud, Grid, 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
- ✧ Public, Private, and Hybrid Clouds
- ✧ Green & Energy Management
- ✧ Cloudlet and Serverless Computing

### Track 3: Security, Privacy & Trust

- ✧ Security, Privacy & Reliability in Cloud & Big Data
- ✧ Dependable/Trustworthy Big Data Processing
- ✧ Security/Privacy/Trust as a Service
- ✧ Hardware Security of Cloud & Big Data
- ✧ Blockchain for Cloud and Big Data
- ✧ Federated LearningCyber Social Right, Policy & Laws

### Track 4: Tools and Applications

- ✧ Data Warehousing over Big Data
- ✧ Innovative Applications and Experiences
- ✧ Smart Data & Smart Environments
- ✧ CBD for IoT & Cyber-Physical Systems
- ✧ RFID & Related Technologies for IoT
- ✧ M2M Communications and IoT
- ✧ IoT and Smart City Infrastructures
- ✧ Green Computing for Big Data & Smart City

## CBDCom 2024 Submissions and Publications

IEEE CBDCom 2024 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, and SS papers will be published by IEEE in the Conference Proceedings (IEEE-DL and EI indexed). Selected high quality papers will be recommended to prestige journal special issues.

## Three Co-located IEEE International Conferences

- ◆ The 9th IEEE Cyber Science and Technology Congress (CyberSciTech 2024)
- ◆ The 22nd IEEE Int'l Conf. on Dependable, Autonomic & Secure Computing (DASC 2024)
- ◆ The 22nd IEEE Int'l Conf. on Pervasive Intelligence and Computing (PICom 2024)

Sponsored  
by



Hosted  
by



Supported  
by

