

# The 5th IEEE Int'l Conference on Cloud and Big Data Computing (CBDCom 2019)

August 5-8, 2019, Fukuoka, Japan

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## Innovative Cloud and Big Data for Smarter World

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 2019 will be the fifth edition of the conference after the success of CBDCom 2015 in Beijing, CBDCom 2016 in Toulouse, CBDCom 2017 in San Francisco, and CBDCom 2018 in Guangzhou. 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 2019 Tracks and Topics

### Track 1: Data Science & Analytics

- ✧ Big Data Fundamentals and Novel Paradigms
- ✧ Big Data Algorithms, Applications & Services
- ✧ Big Data Mining and Analytics
- ✧ Big data Processing and Querying
- ✧ Big Data Visualization
- ✧ Big Data Computing & Recommendations

### Track 2: Big Data Infrastructure & 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

### Track 3: Big Data Tools and Applications

- ✧ Complex Big Data Processing
- ✧ BD in Networks and Communications
- ✧ Big Data as a Service
- ✧ Data Warehousing over Big Data
- ✧ BD Machine and Deep Learning
- ✧ Innovative Applications and Experiences

### Track 4: Cloud Management & Virtualization

- ✧ Virtualization Technologies
- ✧ Cloud Computing Platforms
- ✧ Public, Private, and Hybrid Clouds
- ✧ Green & Energy Management
- ✧ Cloudlet and Serverless Computing
- ✧ Resource Management, Storage & QoS

### Track 5: Cloud/Big Data Security, Privacy & Trust

- ✧ Security, Privacy & Reliability in Cloud & BD
- ✧ Dependable/Trustworthy Big Data Processing
- ✧ Security/Privacy/Trust as a Service
- ✧ Blockchain in Cloud and Big Data Application
- ✧ Cloud Attacks Detection and Prevention
- ✧ Ethic Issues in Cloud & Big Data

### Track 6: Cloud/Big Data for IoT & Smart City

- ✧ 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

## IEEE CBDCom 2019 Submissions and Publications

IEEE CBDCom 2019 calls for original papers, posters, as well as workshop and special session proposals, which focus on specific subjects related to and big data computing.

All accepted conference, workshop, special session, and poster papers will be published by IEEE in 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 17th IEEE Int'l Conf. on Dependable, Autonomic & Secure Comp (**DASC 2019**)
- ◆ The 17th IEEE Int'l Conf. on Pervasive Intelligence and Computing (**PICom 2019**)
- ◆ The 4th IEEE Cyber Science and Technology Congress (**CyberSciTech 2019**)

## Important Deadlines and Dates

Workshop/SS Proposal Due: 20/01/2019  
Regular Paper Submission: 20/03/2019  
Poster Paper Submission: 20/04/2019  
Wksp/SS Paper submission: 20/04/2019  
Author Notification Date: 25/05/2019  
Camera-ready Submission: 20/06/2019

## Conference Sponsors and Supporters



Conference website: <http://cyber-science.org/2019/cbdcom/>