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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 CBDDCom 2020 will be the sixth edition of the conference after the success of CBDDCom 2015 in Beijing, CBDDCom 2016 in Toulouse, CBDDCom 2017 in San Francisco, CBDDCom 2018 in Guangzhou, and CBDDCom 2019 in Fukuoka. 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 CBDDCom 2020 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 & 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

CBDDCom 2020 Submissions and Publications

IEEE CBDDCom 2020 calls for original papers, posters, as well as workshop and special session proposals focusing on specific subjects related to cloud 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.

More information in the conference website: <http://cyber-science.org/2020/cbdc.com/>

IMPORTANT DATES

Workshop/SS Proposal Due: Nov. 30, 2019
Regular Paper Submission Due: Feb. 15, 2020
Wksp/SS/Poster Paper Due: Mar 10, 2020
Authors Notification: April 01, 2020
Camera-ready Submission: May 10, 2020

Three Co-located IEEE International Conferences

- ◆ The 18th IEEE Int'l Conf. on Dependable, Autonomic & Secure Computing (**DASC 2020**)
- ◆ The 18th IEEE Int'l Conf. on Pervasive Intelligence and Computing (**PICom 2020**)
- ◆ The 5th IEEE Cyber Science and Technology Congress (**CyberSciTech 2020**)

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