

The 10th IEEE International Conference on Big Data and Cloud Computing (BDCloud-2020)

<https://hpcn.exeter.ac.uk/bdcloud2020>

Exeter, England, UK, 17-19 December 2020

Sponsored by

IEEE, IEEE Computer Society, and IEEE Technical Committee of Scalable Computing (TCSC).

INTRODUCTION

Big data is an emerging paradigm applied to datasets whose size is beyond the ability of commonly used software tools to capture, manage, and process the data within a tolerable elapsed time. Such datasets are often from various sources (Variety) yet unstructured such as social media, sensors, scientific applications, surveillance, video and image archives, internet texts and documents, internet search indexing, medical records, business transactions and web logs; and are of large size (Volume) with fast data in/out (Velocity). More importantly, big data has to be of high value (Value) and establish trust in it for business decision making (Veracity).

Cloud computing is positioning itself as an emerging platform for delivering information infrastructures and resources as IT services. Customers (enterprises or individuals) can provision and deploy Cloud services via pay-as-you-go pricing models saving huge capital investments in their own IT infrastructures.

The 10th IEEE International Conference on Big Data and Cloud Computing (BDCloud-2020) is the next event in a series of highly successful International Conferences, previously held as BDCLOUD-2019 (Xiamen, China), BDCLOUD-2018 (Australia), BDCLOUD-2017 (Italy), BDCLOUD-2016 (Atlanta, USA), BDCLOUD-2015 (Chengdu, China), BDCLOUD-2014 (Sydney, Australia), CGC-2013 (Karlsruhe, Germany), CGC-2012 (Xiangtan, China) and CGC-2011 (Australia).

BDCloud-2020 will be hosted in Exeter, the capital city of Devon and provides the county with a central base for education, medicine, religion, commerce and culture. The city is also home to the magnificent Exeter Cathedral, which dates back to Norman times. Exeter is also ideally placed to base a trip to branch out visiting places such as the famous Dartmoor National Park and the unspoilt beaches of the North and South Devon coastlines.

Prospective authors are invited to submit their papers to BDCLOUD-2020. All accepted papers are expected to be included in IEEE Xplore and will be indexed by Engineering Index (EI). The authors of selected best papers will be invited post conference to extend their contributions for special issues of prestigious journals to be planned in conjunction with the conference.

SCOPE AND TOPICS

Topics of interest include, but are not limited to:

Track 1: Cloud Computing Algorithm, Theory and Application

Track 2: Big Data Algorithm, Theory and Application

Track 3: Big Data Mining and Analytics on Cloud

IMPORTANT DATES

- Paper Submission Deadline: 20 September 2020 (firm deadline)
- Authors Notification: 18 October 2020
- Camera-Ready Paper Due: 17 November 2020
- Early Registration Due: 17 November 2020
- Conference Date: 17-19 December 2020

PAPER SUBMISSION GUIDELINE

All papers need to be submitted electronically through the conference submission website (<https://hpcn.exeter.ac.uk/bdcloud/>) with PDF format. The materials presented in the papers should not be published or under submission elsewhere. Each paper is limited to 8 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single-spaced, 10 fonts).

Manuscript Templates for Conference Proceedings can be found at:

https://www.ieee.org/conferences_events/conferences/publishing/templates.html

Once accepted, the paper will be included into the IEEE conference proceedings published by IEEE Computer Society Press (indexed by EI). At least one of the authors of any accepted paper is requested to register the paper at the conference.