

CALL FOR PAPERS

Workshop on “big data and cloud computing in bioinformatics (BDACCB2016)”

in conjunction with

6th IEEE International Conference on Big Data and Cloud Computing

October 8-10, Atlanta, GA, USA

With the advent of high-throughput technologies, a huge amount of biological data has been generated, which brings profound influences on bioinformatics. Bioinformatics is experiencing a new era from conventional analysis to big data analytics. Cloud computing is promising to address big data storage and analysis issues in the field of bioinformatics. The goal of the workshop on “Big Data and Cloud Computing in Bioinformatics (BDACCB2016)” is to establish an international forum for engineers and scientists to present their ideas and experiences in the fields of big data analytics and cloud computing related to bioinformatics.

Topics of Interest Include But Are Not Limited To

- Biological Big Data Analytics;
- Databases and Ontologies;
- Web Services of Biological Big Data;
- Genome Analysis (Genome assembly, genome annotation, comparative genomics, metagenomics);
- Health Informatics (Medical data management and privacy, medical recommender systems, therapy optimization);
- High-performance Bio-computing (Cloud and grid computing, advanced multi-core, GPU, and FPGA biomedical applications);
- Visualization of Biological Big Data;
- Applications of Big Data and Cloud Computing in Bioinformatics.

Submission Instructions

BDACCB2016 welcomes paper submissions on innovative work from researchers in big data and cloud computing in bioinformatics. Submissions should be prepared using IEEE Computer Society’s Word/LaTeX templates available at <http://www2.computer.org/portal/web/cscps/formatting> and should

not exceed 6 pages in length. Please send your manuscript with supplements to the e-mail (bdaccb@126.com) before July 1, 2016.

Accepted abstracts will be included in the the proceeding of 6th IEEE International Conference on Big Data and Cloud Computing and be published in the IEEE Xplore Digital Library. The excellent papers will be recommended to submit a substantially extended version for review and publication in special issues of international journals:

- Information Fusion (Elsevier and SCI indexed)
- Journal of Computational Science(Elsevier and SCI indexed)
- IEEE Transactions on Emerging topics in Computing
- IEEE Transactions on Big Data
- Future Generation Computer Systems (Elsevier and SCI)

Key Dates

Papers Submission: July 1, 2016

Notification of Acceptance: August 1, 2016

Author Registration: August 10, 2016

Camera-ready Papers Due: August 15, 2016

General Chairs

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