



Preliminary Call For Papers

5th IEEE/ACIS International Conference on Big Data, Cloud Computing, and Data Science Engineering (BCD 2020) December 14-16, 2020, Macao



Sponsored by IEEE Computer Society and The International Association for Computer and Information Science (ACIS)

Important Dates

Workshop/Special session proposal:	August 1, 2020
Workshop/Special Session acceptance notification:	August 16, 2020
Full Paper Submission:	September 7, 2020
Acceptance Notification:	September 24, 2020
Camera-Ready Papers & Registration:	October 14, 2020
Conference Dates:	December 14-16 2020

BCD 2020 Proceedings will be published by IEEE Conference Publishing Services and will be submitted to be indexed by EI, INSPEC, and DBLP.

Conference officers will select outstanding papers for publication in the following journals (www.acisinternational.org):

- *International Journal of Networked and Distributed Computing (IJNDC)*, Paris, France
- *International Journal of Software Innovation (IJSI)*, IGI Globe, U.S.A.
- *International Journal of Big Data Intelligence and Applications (IJBDA)*
- *Studies in Computational Intelligence (SCI)*, Springer, Germany

The 5th International Conference on Big Data, Cloud Computing, and Data Science (BCD 2020) brings together researchers, scientists, engineers, industry practitioners, and students to discuss, encourage and exchange new ideas, research results, and experiences on all aspects of Big Data, Cloud Computing, and Data Science. BCD 2020 aims to facilitate cross-fertilizations among, and is soliciting papers in the key technology enabling areas.

The topics of interests include but not limited to:

Big data Infrastructure	Cloud Solution Design Patterns	Hybrid cloud
Big data management	Data analysis applications - bioinformatics	Mobile processing of big data
Big data privacy and security	Data analysis applications - business intelligence	NoSQL data stores
Big data theory and algorithms	Data analysis applications - social informatics	Outlier detection in big data
Big data visualization	Data cleaning methodologies	Processing of text documents
Cloud Application Scalability and Availability	Data extraction, transformation and load	Public and private clouds
Cloud Applications Performance and Monitoring	Data mining and knowledge discovery and bigdata	QoS for Applications on Clouds
Cloud Computing Architecture	Data modeling	Social network analysis
Cloud Delivery Models	Distributed data structures, MapReduce	Web services
Cloud Optimization and Automation	Education in data science & engineering	Web-based data analysis

Best Paper Sward and Best Student Paper Awards will be conferred at the conference (in order to qualify for the award, the paper must be presented at the conference.)

The format of the manuscript should be in a two-column format and 6 pages in length. Up to an extra 2 pages (total of 8) can be purchased at registration time.

Conference Organizers

General Chair: Prof. IP Kuai Peng, City University of Macau

Honorary Chair: Prof. Gongzhu Hu, Central Michigan University

Conference Chairs: Wencai Du, City University of Macau,
Prof. Simon Xu, Algoma University

Program Chairs: Prof. Jixin Ma, University of Greenwich,
Prof. Zhiming Cai, City University of Macau

Finance Chair: Dr. Men Chen , City University of Macau

Registration Chair: Dr. Men Chen, City University of Macau,
Dr. Lu Liu , City University of Macau

Publicity Chairs:

Prof. Biao Liu, Tsinghua University
Prof. Lei Zhang , Tongji University
Prof. Yun Yang, Yunnan University
Associate Prof. Xiaoshu Zhou , Beijing Poly-tech University
Prof. Jia Ren, Hainan University
Dr. Lu Liu ,City University of Macau

Local Arrangement Chair: Associate Prof. Sonny Su, City University of Macau