



## Preliminary Call For Papers

# 5<sup>th</sup> IEEE/ACIS International Conference on Big Data, Cloud Computing, and Data Science Engineering (BCD 2020) June 15-17, Macao



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

### Important Dates

<b>Workshop/Special session proposal:</b>	<b>January 1, 2020</b>
<b>Workshop/Special Session acceptance notification:</b>	<b>January 16, 2020</b>
<b>Full Paper Submission:</b>	<b>March 1, 2020</b>
<b>Acceptance Notification:</b>	<b>March 15, 2020</b>
<b>Camera-Ready Papers &amp; Registration:</b>	<b>April 1, 2020</b>
<b>Conference Dates:</b>	<b>June 15-17, 2020</b>

**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](http://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