



Preliminary Call For Papers

3rd IEEE/ACIS International Conference on Big Data, Cloud Computing, and Data Science Engineering (BCD 2018) July 10 – 12, 2018, Yonago, Japan



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

BCD 2018 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.
- *Studies in Computational Intelligence (SCI)*, Springer, Germany

Conference officers are arranging two special issues of SCI-Indexed Journals to publish outstanding papers.

- *Special Issue: Machine Learning for Intelligent Systems Journal of Robotics, Networking and Artificial Life (JRNAL)*
- *Special Issue: Knowledge-Based Intelligent Systems for Smart Computing International Journal of Computational Intelligence Systems (IJCIS)*

The 3rd International Conference on Big Data, Cloud Computing, and Data Science (BCD 2018) 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 2018 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

	(ETL)	
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 Award 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.

Papers must be submitted electronically through EasyChair (<http://www.easychair.org/conferences/?conf=bcd2018>)

Conference Organizers

General Chair: Roger Lee, Central Michigan University, USA

Conference Chair: Masateru Tsunoda, Kindai University, Japan

Program Chair: Akinori Ihara, NAIST, Japan

Finance Chair: Shinsuke Matsumoto, Osaka University, Japan

Registration Chair: Tetsuya Kanda, Osaka University, Japan

Publicity Chair/s: Eunjong Choi, NAIST, Japan, Shizue Izumi, Shiga University, Japan

Local Arrangement Chair: Sousuke Amasaki, Okayama Prefectural University, Japan

Important Dates

Workshop/Special session proposal:	January 20, 2018
Workshop/Special Session acceptance notification:	February 16, 2018
Full Paper Submission:	April 18, 2018
Acceptance Notification:	May 2, 2018
Camera-Ready Papers & Registration:	May 28, 2018
Conference Dates:	July 10-12, 2018