



IEEE CIBD 2017

27th Nov. – 1st Dec. 2017

2017 IEEE Computational Intelligence in Big Data (CIBD)
IEEE Symposium Series on Computation Intelligence (SSCI)
Hilton Hawaiian Village Resort, Honolulu, Hawaii

The 10th annual IEEE Symposium Series on Computational Intelligence (SSCI) 2017 will host the Computational Intelligence in Big Data (CIBD) 2017 meeting. The CIBD will be one of 32 separate symposia at the SSCI, which will also include plenary sessions, keynote speakers and tutorials for one registration price. The event will bring together international experts to discuss theories and applications of big data in computer science. Presentations relating to industry, novel applications and emerging areas of CIBD are strongly encouraged.

CIBD Chairs

- Prof. Yaochu Jin,
University of Surrey, UK
- Dr Spencer A. Thomas,
National Physical Laboratory, UK
- Dr Lazaros Polymenakos,
IBM Watson, USA
- Prof. Marios Polycarpou,
University of Cyprus, Cyprus

Key Dates:

(subject to change)

- Special Session Proposals: April 2, 2017
- Paper Submissions: July 2, 2017
- Notification to Authors: August 27, 2017
- Final Submission: September 24, 2017
- Early Registration: September 24, 2017

Publications

Papers accepted after peer-review will be published in the conference proceedings www.ele.uri.edu/ieee-ssci2017/CIBD.htm

Topics

Session topics include, but are not limited to;

- Novel CI methods of big data acquisition
- CI in distributed computing of big data
- Memory efficient CI algorithms for reading, processing or analysing big data
- Data mining in big data
- Deep learning in big data
- Integration of big data, such as multi-modal, multi-fidelity, structured and unstructured data
- Big data in industry, healthcare, the internet of things, future of media and social media, finances and economy, public services, cloud computing intelligent robotics, driven business or industry
- Semantics technologies for big data
- Scalable learning in big data
- Real time analysis of large data streams
- Extracting understanding from distributed, diverse and large-scale data resources
- Predictive analysis and in-memory analytics
- Dimensionality reduction and analysis of large and complex data
- New information infrastructures
- Visualisation of big data
- Optimisation of big data in complex systems
- Data governance and management
- CI in curation of big data
- Human-computer interaction and collaboration in big data
- Applications of big data, such as industrial process, business intelligence, healthcare, bioinformatics and security