



## The Second IEEE International Conference on Big Data Intelligence and Computing (IEEE DataCom 2016)

<http://grid.chu.edu.tw/datacom2016>

Auckland, New Zealand, August 8-12, 2016



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### Local Arrangement Chair

Sheng Wen, Deakin University, Australia

### International Program Committee

Please see conference website for complete list

Big data is a rapidly expanding research area spanning the fields of computer science and information management, and has become a ubiquitous term in understanding and solving complex problems in different disciplinary fields such as engineering, applied mathematics, medicine, computational biology, healthcare, social networks, finance, business, government, education, transportation and telecommunications.

The goal of the IEEE 2016 International Conference on Big Data Intelligence and Computing (IEEE DataCom 2016) is to establish an international forum for engineers and scientists to present their ideas and experiences in the fields of Big Data intelligence and computing. IEEE DataCom 2016 welcomes paper submissions on innovative work from researchers in academia, industry and government describing original research work in Big Data.

IEEE DataCom 2016 will be held on August 8-12, 2016, co-located with IEEE CyberSciTech 2016, IEEE DASC 2016 and IEEE PICom 2016, in Auckland, New Zealand.

Topics of interest include, but are not limited to:

- The 5Vs of the data landscape: volume, variety, velocity, veracity, value
- Big data science and foundations, analytics, visualization and semantics
- Software and tools for big data management.
- Security, privacy and legal issues specific to big data
- Big data economy, QoS and business models
- Scientific discovery and business intelligence
- Software, hardware and algorithm co-design, high-performance computing
- Large-scale recommendation systems and graph analysis
- Infrastructures and systems for big data analytics and managements
- Middleware and tools for big data analytics and managements
- Algorithmic, experimental, prototyping and implementation
- Data quality issues: such as validation, metrics, optimizations and consistency
- Data-driven innovation, computational modelling and data integration
- Data intensive computing theorems and technologies
- Big data for advanced manufacturing and productivity
- Modelling, simulation and performance evaluation
- Green data centers / environmental-friendly perspectives
- Computing, scheduling and resource management for sustainability
- Complex applications in areas where massive data is generated

### IMPORTANT DATES

**Tutorial / Workshop / Special Session Proposal Due: February 29, 2016**

**Paper Submission (Research Track): March 15, 2016**

**Paper Submission (Works-in-Progress/workshop): April 10, 2016**

**Author Notification (Research/workshop/WIP): April 30, 2016**

**Paper Submission (Demo /Poster /Special session): May 5<sup>th</sup>, 2016**

**Author Notification (Poster / Demo): May 20, 2016**

**Camera ready / registration deadline: May 31, 2016**

### SUBMISSION and PUBLICATION

Authors are invited to submit their original research work that has not previously been submitted or published in any other venue. Papers should be prepared in IEEE CS format and submitted via the IEEE DataCom 2016 web site, <https://easychair.org/conferences/?conf=ieeedatacom2016>

- Proposals for organizing tutorials, workshops and special sessions need to be submitted to the Tutorials, Workshops and Special Sessions Chairs, respectively. A proposal should include title, theme, scope and main presenters/organizers.
- Research paper (8 pages) should explore a specific technology problem and propose a complete solution to it, with experimental results.
- Works-in-Progress (WIP) (6 pages) papers are expected to present either work currently in progress or less developed but highly innovative ideas.
- Demo/Poster papers (4 pages) must describe working systems and be related to DataCom. These systems may be innovative prototype implementations or mature systems that use related technology. Papers/proposals need to be submitted to the Demo/Poster Chair.
- Workshop and Special Session papers need to be submitted to the corresponding workshops and special sessions.

All accepted papers in the main tracks, workshops, special sessions and demos/posters will be published in an IEEE Computer Society proceedings (EI indexed). Extended versions of selected excellent papers will be considered for publication in special issues of prestige journals (SCI/EI indexed).