

Call for Papers

Call for Tutorials / Call for Workshops

2018 IEEE International Conference on Big Data and Smart Computing

January 15-18, 2018, Shanghai, China

<http://www.bigcomputing.org>

Big data and smart computing are emerging research fields that have recently drawn much attention from computer science and information technology as well as from social sciences and other disciplines. The goal of IEEE International Conference on Big Data and Smart Computing (BigComp) is to provide an international forum for exchanging ideas and information on current studies, challenges, research results, system developments, and practical experiences in these emerging fields. Following the previous successes of events in Bangkok, Thailand (2014), Jeju, Korea (2015), Hong Kong, China (2016), and Jeju, Korea (2017), the 2018 IEEE International Conference on Big Data and Smart Computing (BigComp2018) will be held in Shanghai, China. IEEE BigComp2018 invites authors to submit original research papers and original work-in-progress reports on any aspects of big data and smart computing.

Topic Areas

The topics of interest for BigComp2018 include (but are not limited to) the following:

- Techniques, models and algorithms for big data
- Machine learning and AI for big data
- Web search and information retrieval
- Models and tools for smart computing
- Cloud and grid computing for big data
- Security and privacy for big data
- Smart devices and hardware
- Big data applications: Bioinformatics, Multimedia, Smartphones, etc.
- Tools and systems for big data
- Data mining, graph mining and data science
- Infrastructure and platform for smart computing
- Big data analytics and social media
- Hardware/software infrastructure for big data
- Mobile communications and networks
- Smart location-based services

Submission

Papers must be formatted in PDF according to the IEEE two-column format for conference proceedings and submitted through **CMT**. The direct link for paper submission is <https://cmt3.research.microsoft.com/BC2018/>.

Papers can be either regular or short papers, where regular papers are limited to 8 pages and short ones to 4 pages. Details about the submission process including formatting instructions are at the conference website. All conference and workshop papers will be published in the **IEEE Xplore Digital Library** as conference proceedings.

Journal Publication

Selected papers will be invited for publication in the following **SCIE journals** after further revision and extension.

- World Wide Web (SCIE)
- Peer-to-Peer Networking and Applications (SCIE)
- Frontiers of Computer Science (SCIE)
- Frontiers of Information Technology & Electronic Engineering (SCIE)
- Chinese Journal of Electronics (SCIE)
- Journal of Supercomputing (SCI)
- International Journal of Data Mining in Bioinformatics (SCIE)

Best Paper Awards

Best Paper Awards will be conferred at the conference to the authors of selected outstanding papers.

Important Dates

- Workshop proposal submission due: ~~June 30, 2017~~ **August 7, 2017**
- Full paper submission due: ~~July 31, 2017~~ **August 14, 2017**
- Tutorial proposal submission due: **August 30, 2017**
- Acceptance notification: **October 30, 2017**
- Camera-ready copies due: **November 15, 2017**
- Author registration due: **November 20, 2017**
- Early registration due: ~~December 15, 2017~~ **December 29, 2017 (23:59 PST)**
- Conference dates: **January 15-18, 2018**

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