

A banner image showing a wooden bowl and a metal pipe with water flowing into it, with the text "Call for Papers" overlaid in white.

## Call for Papers

# Call for Papers

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 the International Conference on Big Data and Smart Computing (BigComp), initiated by KIISE (Korean Institute of Information Scientists and Engineers), 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 successes of the previous BigComp conferences in Bangkok, Thailand (2014) (<http://www.bigcomputing.org/conf2014/>), Jeju, Korea (2015) (<http://www.bigcomputing.org/conf2015/>), Hong Kong, China (2016) (<http://www.bigcomputing.org/conf2016/>), Jeju, Korea (2017) (<http://www.bigcomputing.org/conf2017/>), and Shanghai, China (2018) (<http://www.bigcomputing.org/conf2018/>), the 2019 International Conference on Big Data and Smart Computing (BigComp 2019) will be held in Kyoto University, Kyoto, Japan. The conference is co-sponsored by IEEE and KIISE. BigComp 2019 invites authors to submit original research papers and original work-in-progress reports on big data and smart computing.

## Topics

The topics of interest for IEEE BigComp 2019 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 EasyChair (<https://easychair.org/conferences/?conf=bigcomp2019>). The direct link for paper submission is <https://easychair.org/conferences/?conf=bigcomp2019> (<https://easychair.org/conferences/?conf=bigcomp2019>).

Papers can be either regular or short papers, where regular papers are limited to 8 pages and short ones to 4 pages.

The paper templates with formatting instructions can be found at:

- IEEE Conference Microsoft Word Template: [Conference-template-letter.doc](http://www.bigcomputing.org/assets/files/Conference-template-letter.doc) (<http://www.bigcomputing.org/assets/files/Conference-template-letter.doc>)
- IEEE Conference Latex Template: [Conference-LaTeX-template 5-8-18.zip](http://www.bigcomputing.org/assets/files/Conference-LaTeX-template_5-8-18.zip) ([http://www.bigcomputing.org/assets/files/Conference-LaTeX-template\\_5-8-18.zip](http://www.bigcomputing.org/assets/files/Conference-LaTeX-template_5-8-18.zip))

All conference and workshop papers will be published in the IEEE Xplore Digital Library as conference proceedings.

## Collaboration with International Journals

Selected papers will be recommended to the following journals:

- World Wide Web\*
- Journal of Cluster Computing\*
- Sensors\*
- Journal of Supercomputing\*,\*\*
- International Journal of Data Mining in Bioinformatics\*

We are planning a special issue in the following journal. Selected papers will also be recommended to the special issue:

- IEICE Transactions on Information and Systems\*

\* Indexed by Science Citation Index Expanded (SCIE), \*\* Indexed by Science Citation Index (SCI)

## Important Dates

- Regular/short papers abstract due: ~~Aug 27, 2018~~ **Sep 17, 2018 (extended)**
- Regular/short papers due: ~~Sep 3, 2018~~ **Sep 17, 2018 (extended)**
- Regular/short papers notification: **Nov 26, 2018**
- Camera-ready due: **Dec 14, 2018**
- Workshop: **Feb 27, 2019**
- Main Conference: **Feb 28, 2019 - Mar 2, 2019**

## Program Committee Co-Chairs

- Hiroyuki Kitagawa, University of Tsukuba
- Walid Saad, Virginia Tech
- Kyuseok Shim, Seoul National University
- Jie Tang, Tsinghua University

### Contacts

BigComp 2019 Organizing Committee:

bigcomp2019-contact at db.soc.i.kyoto-u.ac.jp  
Yoshida-Honmachi, Sakyo, Kyoto, 606-8501, Japan

BigComp 2019 Web Chair:

tyamamot at dl.kuis.kyoto-u.ac.jp

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