

19th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2019)

9 - 11 December 2019
Melbourne, Australia

<http://nslab.org/ica3pp2019>

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ICA3PP 2019 is the 19th in this series of conferences started in 1995 that are devoted to algorithms and architectures for parallel processing. ICA3PP is now recognized as the main regular event of the world that is covering the many dimensions of parallel algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated in every aspects of daily life, the power of computing system has become increasingly critical. This conference provides a forum for academics and practitioners from countries around the world to exchange ideas for improving the efficiency, performance, reliability, security and interoperability of computing systems and applications.

Following the traditions of the previous successful ICA3PP conferences held in Hangzhou, Brisbane, Singapore, Melbourne, Hong Kong, Beijing, Cyprus, Taipei, Busan, Melbourne, Fukuoka, Vietri sul Mare, Dalian, Japan, Zhangjiajie, Granada, Helsinki, and Guangzhou, ICA3PP 2019 will be held in Melbourne, Australia. The objective of ICA3PP 2019 is to bring together researchers and practitioners from academia, industry and governments to advance the theories and technologies in parallel and distributed computing. ICA3PP 2019 will focus on two broad areas of parallel and distributed computing, i.e. architectures, algorithms and networks, and systems and applications. The conference of ICA3PP 2019 will be organized by Swinburne University of Technology, Australia.

CONFERENCE TOPICS

- ☐ Parallel and Distributed Architectures
- ☐ Software Systems and Programming Models
- ☐ Distributed and Network-based Computing
- ☐ Big Data and its Applications
- ☐ Parallel and Distributed Algorithms
- ☐ Applications of Parallel and Distributed Computing
- ☐ Service Dependability and Security in Distributed and Parallel Systems
- ☐ Internet of Things and Cyber-Physical-Social Computing
- ☐ Performance Modeling and Evaluation

CONFERENCE TOPICS

Paper Submission Due:	24 Jun 2019
Author Notification:	24 Jul 2019
Camera-ready and Registration Due:	14 Aug 2019
Conference Date:	9-11 Dec 2019

SPECIAL ISSUES



- **Concurrency and Computation: Practice and Experience**
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Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Submitted papers must be clearly presented in English, must not exceed 15 pages (plus up to 5 extra pages with over length charge) in Springer LNCS Format, including tables, figures, references and appendixes. Submission of a paper should be regarded as a commitment that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work. Paper submission link: <https://easychair.org/conferences/?conf=ica3pp2019>

For more information, please contact: ICA3PP2019@gmail.com