

# CALL FOR PAPERS

The 2018 International Workshop on Artificial intelligence, Big data and Cloud computing application and technology (ABCat 2018)

In conjunction with

The 7th International Conference on Frontier Computing (FC 2018)

- Theory, Technologies and Applications

<http://fc2018.expectfactory.com>

**July 3-6, 2018, Kuala Lumpur, Malaysia**

The workshop on Artificial intelligence, Big data and Cloud computing Application and Technology (ABCat 2018) will provide a unified platform for promoting discussion and interaction among academics, researchers in the field of artificial intelligence, big data and cloud computing technologies. Artificial Intelligence (AI) is the science and engineering of making intelligent machines and systems. This is an important multi-disciplinary field which is now an essential part of technology industry. In addition, big data recently was also a rapidly growing research area spanning the fields of computer science and information management, and has become a general term in solving complex problems in different disciplinary fields. Professionals from industry, academia and government are encouraged to discourse on research and development, professional practice, business and management in the information, innovation, communication and engineering fields are welcome to participate in this workshop. This workshop provides an international forum for the presentation and showcase of recent advances on various aspects of these emerging technologies. It will reflect the state-of-the-art of the methods, involving theory, algorithm, simulation/experimental results and novel applications of these emerging technologies. In this workshop, several topics on the specific themes for intensive discussions are also planned according to the areas of interest. The scope of the workshop includes (but is not limited to):

- Statistical learning theory
- Unsupervised and Supervised Learning
- Neural networks
- Reinforcement learning
- Time series prediction
- Computational Intelligence
- Knowledge acquisition and discovery techniques
- Applications of artificial intelligence for different areas
- Big data science and foundations, analytics, visualization
- Software and tools for big data management
- Algorithmic, experimental, prototyping and implementation
- Cloud services models & frameworks

- Application benchmarks & use cases
- Cloud-based services & protocols
- Data management applications & services
- IoT cloud architectures & models

## **Paper Submission and Publication**

All accepted papers will be included in the conference proceedings as one of Lecture Notes in Electrical Engineering (LNEE) series published by Springer (indexed by EI and SCOPUS). In addition, FC 2018 features a special publication model for authors to extend their conference works to high quality journals and books after the conference. Submitted papers will be carefully evaluated based on originality, significance, technical soundness, presentation and clarity of exposition. Selected high quality and presented papers, with 30-40% extension and revision, will be recommended to one of the top-rank journals. More details can be found on the conference website.

## **Submission**

Please submit your paper via the following submission system:

<https://easychair.org/conferences/?conf=fc2018>

## **Important Dates**

April 20, 2018: Date for full paper submission (Extend)

May 10, 2018: Notification of acceptance

May 20, 2018: Camera-ready submitted due and Early-bird registration due

## **Workshop Chairs**

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