

The 15th IEEE International Conference on Advanced and Trusted Computing (ATC 2018)

October 8-12, 2018, Guangzhou, China



IMPORTANT DATES

Workshop Proposal Due:	April 8, 2018(Closed)
Proposal notification:	Within two weeks after submission
Paper Submission Deadline:	May 15, 2018(Closed)
Authors Notification (for all papers submitted before May 30, 2018):	June 25, 2018
Authors Notification (for all papers submitted after May 30, 2018):	July 8, 2018
Camera-ready Deadline:	August 8, 2018

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<http://www.smart-world.org/2018/atc/>

Contact: ieeeatc2018@googlegroups.com

Towards Trustworthy Computing Systems and Networks

Nowadays, various kinds of novel computing concepts are increasingly emerging for enhancing our real and virtual worlds towards smart worlds as well as cyber-physical-social-thinking integrated hyper worlds. Accordingly, computing systems are growing in capability and complexity including hardware, software, communications, networks, platforms, services, etc. Advanced computing (AC) aims to discover, develop, and deploy novel computing and networking systems.

At the same time, computing must be trustworthy to engender confidence that systems will remain secure and available. Trust/distrust relationships ubiquitously in computing systems and networks are key factors to enable dynamic interaction and cooperation of various users and services. Trusted computing (TC) aims at making computing and communication systems and services available, predictable, accountable, controllable, assessable, sustainable, dependable, persistent, and secure.

ATC conferences have taken a leading role in addressing these challenges and achieving practical advanced computing systems with truly trustworthy services. Started in 2005, the series of ATC conferences have been held at Nagasaki (Japan), Vienna (Austria), Three Gorges (China), Hong Kong, Oslo (Norway), Brisbane (Australia), Xi'an (China), Banff (Canada), Fukuoka (Japan), Vietri sul Mare (Italy), Bali (Indonesia), Beijing (China), Toulouse (France) and San Francisco Bay Area (USA).

Established as a premier venue in the area of advanced and trusted computing, IEEE ATC 2018 will offer a forum for researchers to exchange ideas and experiences in the most innovative research, development and applications related to Advanced Computing (AC) and Trusted Computing (TC). The ATC 2018 topics include, but are not limited to:

- ✧ High Performance Computing and Networking
- ✧ Service Computing and Engineering
- ✧ Cloud Computing, Fog Computing and Edge Computing
- ✧ Software Defined Networks and Systems
- ✧ Green Computing and Communications
- ✧ Mobile and Wearable Computing
- ✧ Vehicular Networks and Systems
- ✧ IoT/IoE Technologies and Applications
- ✧ Big Data Analytics and Technologies
- ✧ Advanced Cognitive Computing and Machine Learning
- ✧ Advanced Virtual/Augmented Reality (VR/AR)
- ✧ Advanced Affective Computing and Robotics
- ✧ Adaptive and Intelligent Systems
- ✧ Trust Specifications, Models, Management and Standards
- ✧ Trust, Security and Privacy in Smart Systems
- ✧ Blockchain Technology and Applications
- ✧ Cyber Life, Society and Intelligence
- ✧ Cyber Physical Systems and their Safety
- ✧ Cyber Trust, Security, Privacy and Ethics

WORKSHOPS AND SPECIAL SESSIONS

We invite proposals for workshops associated with the conference, addressing research areas related to the conference. Accepted workshop papers will be included in the proceedings published by IEEE. Send your proposals to ieeeatc2018@googlegroups.com

PAPER SUBMISSION

Main conference papers are limited to 8 pages (full paper), or 6 pages (workshop or special session paper), following the IEEE proceedings format, and are to be submitted as PDF via the ATC 2018 submission site:

<https://easychair.org/conferences/?conf=atc2018>.

PAPER PUBLICATION

Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed). At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. Selected papers, after further extensions and revisions, will be recommended to special issues. More details at the conference website: <http://www.smart-world.org/2018/atc/>