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http://www.cybermatics.org/SWC2015/ATC/ATC_program.htm

Nowadays, various kinds of novel computing are increasingly emerged 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 computational and networking capabilities, and to design and develop novel computing systems and architectures.

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

ATC conferences have taken a leading role addressing these challenges in achieve 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 (China), Oslo (Norway), Brisbane (Australia), Xi'an (China), Banff (Canada), Fukuoka (Japan), Vietri sul Mare (Italy), and Bali (Indonesia). ATC 2015 will include a highly selective program of technical papers, accompanied by workshops, panel discussions, and keynote speeches. Established as a premier venue in the area of advanced and trusted computing, ATC 2015 will offer a forum for researchers to exchange ideas and experiences in the most innovative research and development in these challenging areas and include all technical aspects related to advanced computing (AC) and trusted computing (TC).

The ATC 2015 topics include but are not limited to the following :

Track 1: Advanced Computer Systems, Architectures and Platforms

Track 2: Advanced and Trusted Big Data Computing

Track 3: Trusted Security Techniques on Computing Devices

Track 4: Trust Models, Managements and Standards

Track 5: Privacy Preservation in the Internet of Things

Track 6: Advanced Communications and Networks

Track 7: Advanced and Trusted Devices, Systems and Services

Track 8: Advanced Intelligent Computing and Algorithms for Sensory Data

Track 9: Advanced and Trusted Cloud Computing

Track 10: Advanced Web/Internet Services and Applications

Track 11: Trust, Security, and Privacy in Social Networks

Track 12: Advanced and Trusted Internet of Things and Smart City

Track 13: Advanced and Trusted GeoComputation

Track 14: Big Data in Digital Geology

IMPORTANT DATES

Paper Submission Deadline: April 20, 2015

Authors Notification: May 20, 2015

Final Manuscript Due: June 5, 2015

WORKSHOP

The ATC 2015 Organizing Committee invites 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 CS Press. Click the following links for submission details/deadlines.

For workshop proposals, please refer to http://www.cybermatics.org/SWC2015/ATC/ATC_workshop.htm.

PAPER SUBMISSION

Main conference papers are limited to 8 pages, following the IEEE CS format, and are to be submitted as PDF via the ATC 2015 submission site: <https://easychair.org/conferences/?conf=atc2015>.

PAPER PUBLICATION

Accepted conference papers will be published by IEEE CPS (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.

Best Paper Awards will be presented to high quality papers. Selected papers, after further extensions and revisions, will be published in special issues of prestigious journals. More details can be found via <http://www.cybermatics.org/SWC2015/ATC/ATC2015.htm>.