

The 18th IEEE International Conference on Advanced and Trusted Computing (ATC 2021)

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Advances in technologies and our society will also result in an integration of our real, cyber, and virtual worlds to form smart, and cyber-physical socially aware and integrated hyper worlds. Underpinning such worlds are advanced computing (AC) infrastructure and trusted computing (TC) applications and services.

The 18th IEEE International Conference on Advanced and Trusted Computing (ATC 2021), building on the previous successes in Leicester, UK (2019), Guangzhou, China (2018), San Francisco, USA (2017), Toulouse, France (2016), Beijing, China (2015), Bali, Indonesia (2014), Vietri sul Mare, Italy (2013), Fukuoka, Japan (2012), Banff, Canada (2011), Xi'an, China (2010), Brisbane, Australia (2009), Oslo, Norway (2008), Hong Kong, China (2007), Wuhan, China (2006), is proud to be in the 18th consecutive conference year. The aim of the ATC 2021 is to solicit and present state-of-the-art advances in the design and application of advanced computing (AC) infrastructure and trusted computing (TC) applications and services. Specifically, researchers, experts, and scholars from both industry and academia are strongly encouraged to share their recent studies, investigations, and findings in this collaborative and interactive forum.

Topics of interest:

- Security challenges and/or solutions associated with advanced computing and trusted computing applications and services (e.g., cryptographic primitives, and blockchain)
- Privacy-preserving challenges and/or solutions associated with advanced computing and trusted computing applications and services
- Artificial intelligence (e.g., machine learning, deep learning, and explainable or interpretable artificial intelligence) in advanced computing and trusted computing applications and services
- Emerging challenges and/or contemporary solutions advanced computing and trusted computing applications and services (e.g., immersive reality such as virtual and augmented reality)
- Trusted computation-specific challenges and solutions (e.g., specifications, models, management, and standards)
- Ethical, legal, policy, and/or regulatory challenges and/or solutions associated with advanced computing and trusted computing applications and services

Selected High Quality Papers Will be Recommended to

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