

The 17th IEEE International Conference On Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-18)

<http://trustcom-18.smart-com>.

With the rapid development and increasing complexity of computer systems and communication networks, user requirements for trust, security and privacy are becoming more and more demanding. Therefore, there is a grand challenge that traditional security technologies and measures may not meet user requirements in open, dynamic, heterogeneous, mobile, wireless, and distributed computing environments. As a result, we need to build systems and networks in which various applications allow users to enjoy more comprehensive services while preserving trust, security and privacy at the same time. As useful and innovative technologies, trusted computing and communications are attracting researchers with more and more attention.

The 17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-18) will be held in New York, USA from 1st to 3rd August, 2018. It follows the success of TrustCom-17 in Sydney, Australia, TrustCom-16 in Tianjin, China, TrustCom-15 in Helsinki, Finland, TrustCom-14 in Beijing, China, TrustCom-12 in Liverpool, United Kingdom, TrustCom-11 in Changsha, China, TrustCom-10 in Hong Kong SAR, China and so on. The conference aims at bringing together researchers and practitioners in the world working on trusted computing and communications, with regard to trust, security, privacy, reliability, dependability, survivability, availability, and fault tolerance aspects of computer systems and networks, and providing a forum to present and discuss emerging ideas and trends in this highly challenging research field.

Topics of particular interest include, but are not limited to:

Trust Track

- Trust semantics, metrics and models
- Trusted computing platform
- Trusted network computing
- Trusted operating systems
- Trusted software and applications
- Trust in social networks
- Trust in e-commerce and e-government
- Trust in mobile and wireless communications
- Risk and reputation management
- Survivable computer systems/networks
- Trust in 5G networks
- Miscellaneous trust issues in cyber Security

Privacy Track

- Privacy in Web-based applications and services
- Privacy in database systems
- Privacy in parallel and distributed systems
- Privacy in cloud/pervasive computing
- Privacy in mobile and wireless communications
- Privacy in e-commerce and e-government
- Privacy in network deployment and management
- Privacy and trust
- Privacy and security
- Privacy and anonymity
- Privacy preservation in 5G
- Miscellaneous privacy issues

Security Track

- Network and Cyber security
- Computer security
- Database security
- Web applications security
- Security policy, model and architecture
- Security in social networks
- Security in parallel and distributed systems
- Security in mobile and wireless communications
- Security in cloud/pervasive computing
- Authentication, authorization and accounting
- Security of 5G Networks
- Miscellaneous security issues

Forensics and Analytics Track

- Anti-forensics
- Biometrics
- Cryptanalysis
- Cyber Analytics
- Big data forensics
- CCTV forensics
- Cloud forensics
- Computational forensics
- Cyber-physical system forensics
- Datamining for forensics
- Facial recognition
- Fingerprint forensics

Emerging Tech Track

- Emerging security problems and solutions in edge/fog computing
- Emerging paradigms of deep learning in security
- Emerging reinforcement learning for securing networks
- Emerging secure mechanisms for service delivery models
- Emerging Quantum Safe Cryptography for 5G
- Emerging web vulnerabilities and countermeasures
- Emerging techniques of Blockchain

Important Dates

Paper Submission: March 20th, 2018 (extended)

Author Notification: May 15th, 2018

Camera-Ready: June 15th, 2018

Author Registration: June 15th, 2018

Conference Date: August 1st-3rd, 2018

Organizations

General Chair

Sun-Yuan Kung, Princeton University, USA
Albert Zomaya, University of Sydney, Australia
Meikang Qiu, Pace University, USA

