

**Title:**

Cyber Security Technologies and Privacy

**Abstract:**

Cyber communication involves the Internet, cellular networks, satellite, vehicle networks, body networks, personal networks, enterprise networks, and many others. Cyber-attacks are currently prevailing in all these networks, user networking devices, and the applications. They are even more complex and malicious in the distributed and mobile environment. Consequently, the detections and preventions of these cyber-attacks are complicated. New network protocols and applications open new channels for adversaries to take advantage. Data leakage is becoming one of the main security concerns, especially when we are living in a virtual world built on top of social networks, cloud infrastructure, and smart mobile devices.

**Scope and Topics:**

Authors are invited to submit original technical papers covering but not limited to the topics of interest listed below:

- ✧ Innovative techniques for IoT infrastructure security
- ✧ Infrastructure security
- ✧ Distributed systems and security
- ✧ Big data and security
- ✧ Machine learning and AI for cyber security
- ✧ Cloud security
- ✧ Cryptography and key algorithms
- ✧ Location privacy and exposure
- ✧ Embedded systems security and forensics
- ✧ Encryption algorithms and analysis
- ✧ Networking protocols and security trace back
- ✧ Security architectures, policies, and regulations
- ✧ Security and privacy in database systems
- ✧ Mobile and application security
- ✧ Security and IoT
- ✧ Performance evaluation and security
- ✧ Virtual private network security
- ✧ Hardware, application, and system security
- ✧ Web browser security
- ✧ Privacy and IoT
- ✧ Energy or efficiency of security in the network
- ✧ Security protocols and strategies in sensor, cognitive, ad hoc, mesh, and satellite networks

## **Program Committee Chairs:**

**Ning Cao**, Qingdao Binhai University, China  
ning.cao2008@hotmail.com

Ning Cao is an Academic Leader of College of Information Engineering at Qingdao Binhai University. He received his B.S. degree from Harbin Institute of Technology in Software Engineering in 2008, and his Ph.D degree from University College Dublin in Computer Science in 2015. His research interests include IoT, wireless sensor networks, cyber security. Up to date, he has published over 40 papers.

**Yongbin Zhao**, Shijiazhuang Tiedao University, China  
zhaoyunbin@163.com

Yongbin Zhao received the B.S. degree in Mathematics from University of Electronic Science and Technology of China, Chengdu, China in 1995, received the M.S. degree in Mathematics and Ph.D. from Xidian University, Xi'an, China, in 2006 and 2014 respectively. He is currently working as associate professor in School of Information Science and Technology, Shijiazhuang Tiedao University. He has published more than 20 technical papers in international journals and conference proceedings. His current research interests include cryptography, algorithm design and IoT.

**Fan Yang**, University of Maryland, USA  
fyang1@umbc.edu

Fan Yang is working as a research fellow in Information Systems Department, University of Maryland, Baltimore County. His research area is algorithms for preserving privacy of data and at the same time allows accurate analysis of the data.

## **Program Committee:**

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