Title:

International Workshop on 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:

Potential topics include but are not limited to:

- 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
- 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:

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Pingzeng Liu is a professor of the College of Information Science and Engineering at Shandong Agricultural University. His research interests include the Internet of things architecture, agricultural Internet of things promotion and application, agricultural big data processing. He successively published more than 70 papers, applied for more than 40 patents, and obtained 26 software copyright.

Prof Lijuan Zheng, Shijiazhuang Tiedao University
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Lijuan Zheng received the B.S. and M.S. degrees in computer application from North China Electronic Power University, Baoding, China, in 2000 and 2003 respectively, and received her PhD degree in information security from Beijing Jiao Tong University of China. She is an associate professor with the School of Information Science and Technology, Shijiazhuang Tiedao University, Shijiazhuang, China. She has published more than 20 technical papers in international journals and conference proceedings. Her research interests include security protocol analysis and design, trusted computing and privacy protection.

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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.

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