

**Title:**

Industrial Network and Intelligent Security

Abstract:

Industrial network is an application mode formed by the integration of emerging generation information communication technology and advanced manufacturing industry. The rapid development of industrial network has greatly promoted the improvement of production efficiency and the connection of industrial value chain. It is predicted that there will be 340 billion industrial devices connected to the network by 2021. With the intelligent development of the Industrial network, attackers will adopt intelligent means, which will lead to new threats. In order to ensure the security of the industrial network, artificial intelligence technology is widely accepted in the industry.

This conference provides a platform to share up-to-date scientific achievements in this field. Authors are invited to submit original research and review articles focused on the latest findings in industrial network security issues and application of artificial intelligence in network security.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Intrusion and anomaly detection
- ✧ Data Security and Privacy
- ✧ Game theory applied to industrial network security
- ✧ Blockchain for industrial network
- ✧ Industrial network malware/firmware analysis
- ✧ Secure identity management mechanisms
- ✧ Application of knowledge map in industrial network

Program Committee Chairs:

Lei Chen (Chair), Georgia Southern University (USA)

<http://cec.georgiasouthern.edu/it/faculty/lei-chen/>

Dr. Lei Chen is a tenured Associate Professor, the Interim Department Chair and the Graduate Program Director for the Department of Information Technology at Georgia Southern University. He received his B.Eng. in Computer Science and Applications from Nanjing University of Technology, China, in 2000, and PhD. in Computer Science and Software Engineering from Auburn University, USA, in August 2007. He joined Georgia Southern University in 2015, before when he served for 8 years in the Department of Computer Science at Sam Houston State University (SHSU) as Assistant Professor and later tenured Associate Professor. He also served as the Graduate Program Coordinator for all three master programs and four graduate certificate programs offered by the department at SHSU.



Jianguo Sun (Vice Chair), Harbin Engineering University, China

sunjianguo@hrbeu.edu.cn

<http://homepage.hrbeu.edu.cn/web/sunjianguo>

Jianguo Sun received his B.S. in Computer Science and Technology in 2003, M.Eng in Computer Science and Technology from HIT in 2005, and Ph.D. degree in Computer Science and Technology from HEU in 2009, respectively. During 2015 and 2016, Prof. Sun spent one year at UC Berkeley as a Visiting Scholar. Currently, he is a vice Dean at the College of Computer Science, Harbin Engineering University.

Tao Zhang (Vice Chair), Harbin Engineering University, China

cstzhang@hrbeu.edu.cn

<https://cszhangtao.github.io/>

Tao Zhang received his B.S. in Automation and M.Eng in Software Engineering from Northeastern University in 2005 and 2008, respectively. He obtained his Ph.D. degree in Computer Science from University of Seoul in 2013. After that, Tao Zhang spent one year at the Hong Kong Polytechnic University as a Postdoctoral Research Fellow from 2014 to 2015. Currently, he is an associate professor at the College of Computer Science, Harbin Engineering University.

Yun Lin (Vice Chair), Harbin Engineering University, China

Yun Lin is currently an associate professor at college of information and communication engineering, Harbin Engineering University, China. He received the B.S. degree in Dalian Maritime University in 2003, the M.S. degree in Harbin Institute of Technology in 2005, and the Ph. D degree in Harbin Engineering University in 2010. He was also a visiting scholar in Wright State University, USA, from 2014.6-2015.7. His research interest is focusing on machine learning, data science, sensor network, signal processing, information fusion, cognitive and software defined radio. Until now, he has presented forty research papers, five patents, and one book. And, he has served as reviewers for several journals and conferences such as "IEEE Trans. On Reliability", "Mathematical Problems in Engineering", "Journal of Supercomputer", "Journal of Harbin Engineering University", "Journal of Astronautics", "Journal of Basic Science and Engineering", IEEE VTC, IEEE MILCOM, IEEE WICOM. Now, he has been selected as the TPC member of IEEE VTC 2017 in Canada.

Program Committee:

Guanglu Sun, Harbin University of Science and Technology, China

He Jiang, Dalian University of Technology, China

Xin Xia, Monash University, Australia

Jifeng Xuan, Wuhan University, China

Xiaobin Sun, Yangzhou University, China

Rubing Huang, Jiangsu University, China

Ting Chen, University of Electronic Science and Technology of China, China

Xiapu Luo, Hong Kong Polytechnic University, Hong Kong, China

Lei Ma, Harbin Institute of Technology, China