



Globecom 2015 Industry Workshop on 5G Security

Time: Sunday 8:15-12:00 Dec. 6, 2015

Code: WIF-2

Room: Elevation Room (30th floor)

Brief Introduction:

The advent of 5G broadband, low latency, communication anywhere/anytime with enabling approaches for extreme densification, dynamic radio topology, and flexible function allocation present challenges to the protection of subscriber data/location/identity and general network security. For example, techniques that limit initial communication latency like multi-hop security, where intermediate nodes need to decrypt and re-encrypt data, must be avoided. Just the sheer number of expected connected devices becomes a burden to maintaining the spectral efficiency, data rate, and capacity support along with security concerns. This workshop on 5G Security will address a broad array of wireless security topics from the network perspective including the preferred security architectures and key security technologies, security for network function virtualization, privacy protections, secure support for machine type communications, and future research directions for the security mechanisms of 5G.

General Chairs:

Chair : Dr. Feng Bao, Director of Huawei Shield Lab.

Co-Chair : Prof. Valtteri Niemi, Prof. of Helsinki Univ.

Co-Chair : Prof. Kui Ren, Associate Prof. of SUNY Buffalo

Co-Chair : Marcus Wong, Security Standard Engineer of Huawei

Organizing Committee:

Ms. Lu Gan, 5G Security Project Manager of Huawei Shield Lab.

Mr. Jing Chen, Security Standard Engineer of Huawei Wireless Access Lab.

Dr. Haiguang Wang, Senior Researcher of Huawei Shield Lab.

Dr. Guilin Wang, Senior Researcher of Huawei Shield Lab.

Dr. Xin Kang, Senior Researcher of Huawei Shield Lab.

(Contacting Person: kang.xin@huawei.com)

**Agenda:**

Time	Agenda (Dec. 6, 2015)	
8:15-8:30	Welcome Reception and Opening Speech Mr. Donald Purdy Jr (Chief Cybersecurity and Privacy Officer of Huawei USA)	
Session I: Invited Talks (Session Chair: Dr. Xin Kang)		
	Keynote Speakers	Topics
8:30-9:30	Speaker 1: Dr. Feng Bao (Director of Huawei Shield Lab)	5G Security & Privacy Huawei 5G Security White Paper Release
9:30-10:00	Speaker 2: Prof. Valtteri Niemi (Professor of Helsinki University)	Towards solutions for 5G security
10:00-10:30	Coffee Break	
10:30-11:00	Speaker 3: Dr. Anand R. Prasad (Chief Advanced Technologist, Executive Specialist, NEC Japan Corporation; Chairman of 3GPP SA3)	I will get the star for you “securely”
Session II: Panel Discussions (Panel Chair: Mr. Marcus Wong)		
11:00-12:00	Panel Discussion on 5G security opportunities and challenges Participants: All workshop attendees.	