

A Joint Taiwan-Japan Research Grant 2017

“Secure IoT-Based Information Platform with Privacy-Preserving Data Mining on Big Data for M-Healthcare”

4th Joint Taiwan-Japan Security Workshop

Date: November 27, 2017

Place: National Sun Yat-sen University

(Seminar Room 5F-5034, International Building)

Taiwan side PI: Chun-I Fan, Co-PI: Wen-Sheng Juang

Japan side PI: Hiroaki Kikuchi, Co-PI: Takamichi Saito

09:20

Opening

Address: Prof. Chun-I Fan and Prof. Kikuchi

09:30 ~ 10:30, Seminar Room

Session 1: Privacy Preservation, Chair: Prof. Hiroaki Kikuchi

- (1) “A Study on Privacy Preserving Spectral Analysis Using IoT mHealth Heart Rate Variability and Sleep Quality Data” - Xuping Huang
- (2) “Risk of Re-identification Based on Euclidean Distance in Anonymized Data PWSCUP2015” - Satoshi Ito
- (3) “Person Tracking and Identification Based on Features from Depth Sensors” - Takafumi Mori

10:30 ~ 10:40

Coffee Break

10:40 ~ 11:40, Seminar Room

Session 2: Secure Systems, Chair: Xuping Huang

- (1) “Estimation of Internal Storage Type to Identify Devices for a Long Term” - Taneoka Masayuki
- (2) “A Proposal and Implementation of Hands-on Learning System for Cybersecurity” - Yashiro Satoshi
- (3) “Onomatopoeia CAPTCHA: Development, Evaluation and Comparison between Japanese and English” - Michihiro Yamada

11:40 ~ 13:30

Lunch (Seminar Room)

13:30 ~ 14:50, Seminar Room

Session 3: Communication Security, Chair: Prof. Chun-I Fan

- (1) “An Introduction to Voice over LTE and Its Security Issue” - Chen-Hsi Cheng
- (2) “Security Threats to Software Defined Networks” - Chia-Chen Hsieh

(3) “The Security Issue of 5th Generation Mobile Network” - Wan-Ru Chiu

(4) “An Introduction to Multi-Linear Maps” - Yen-Lin Huang

14:50 ~ 15:00

Coffee Break

15:00~16:20, Seminar Room

Session 4: Applied Cryptography, Chair: Prof. Chun-I Fan

(1) “Efficient Ciphertext-Policy Attribute Based Encryption with Hidden Policy” - Zi-Cheng Liu

(2) “An Introduction to Hidden Vector Encryption” - Yun-Chun Cheng

(3) “Blockchain Technology: Principles and Applications” - Si-Yuan Zhang

(4) “A Decentralized Public Key Infrastructure: Blockchain-Based PKI” - Hui-Po Su