CSS 2021

13th International Symposium on Cyberspace Safety and Security
Copenhagen, Denmark (Online) | 9-11 November 2021

Program

Day1 (09 November 2021)	
09:25-09:30	Welcome
09:30-10:15	Keynote I
10:15-11:00	Keynote II
11:00-11:10	Short Break
11:10-12:10	Session I
12:10-13:50	Lunch Break
13:50-14:50	Session II
14:50-15:00	Short Break
15:00-16:00	Session III

Day2 (10 November 2021)	
09:30-10:15	Keynote III
10:15-11:00	Keynote IV
11:00-11:10	Short Break
11:10-11:55	Keynote V
11:55-13:50	Lunch Break
13:50-14:50	Session IV
14:50-15:00	Short Break
15:00-15:40	Session V
15:40-15:50	Closing Remarks

Day3 (11 November 2021)	
No Event	

Day 1 (09 November 2021)

09:25-09:30

Welcome Session

PC/General Chairs

09:30-10:15

Keynote I

10:15-11:00

Keynote II

11:00-11:10

Short Break

11:10-12:10

Session: Security I

- **Encrypted Malicious Traffic Detection Based on Ensemble Learning**

Fengrui Xiao, Feng Yang, Shuangwu Chen and Jian Yang.

- **A Federated Learning Assisted Conditional Privacy Preserving Scheme for Vehicle Networks**

Zhe Xia, Yifeng Shu, Hua Shen and Mingwu Zhang

- **Dissecting Membership Inference Risk in Machine Learning**

Navoda Senavirathne and Vicenc Torra

12:10-13:50

Lunch Break

13:50-14:50

Session II

- **Webshell Detection Based on Explicit Duration Recurrent Network**

Bailin Xie and Qi Li

- **A Practical Botnet Traffic Detection System using GNN**

Bonan Zhang, Jingjin Li, Chao Chen, Kyungmi Lee and Ickjai Lee

- **Vulnerability and Transaction behavior based detection of Malicious Smart Contracts**

Rachit Agarwal, Tanmay Thapliyal and Sandeep Shukla

14:50-15:00

Short Break

15:00-16:00

Session III

- **A novel method of template protection and two-factor authentication protocol based on biometric and PUF**

Hui Zhang, Weixin Bian, Biao Jie and Shuwan Sun

- **Realizing Information Flow Control in ABAC Mining**

Radhika B S and R K Shyamasundar

- **Weak Password Scanning System for Penetration Testing**

Bailin Xie, Qi Li and Hao Qian

Day 2 (10 November 2021)

09:30-10:15

Keynote III

10:15-11:00

Keynote IV

11:00-11:10

Short Break

11:10-11:55

Keynote V

11:55-13:50

Short Break

13:50-14:50

Session IV

- **Environmental Adaptive Privacy Preserving Contact Tracing System for Respiratory Infectious Diseases**

Pengfei Wang, Xiangyu Su, Maxim Jourenko, Zixian Jiang, Mario Larangeira and Keisuke Tanaka

- **A Privacy-Preserving Logistics Information System with Traceability**

Quanru Chen, Jinguang Han, Jiguo Li, Liquan Chen and Song Li

- **Post-quantum Key Escrow for Supervised Secret Data Sharing on Consortium Blockchain**

Xiaowen Cai, Wenjing Cheng, Minghui Zhang, Chen Qian, Zhengwei Ren, Shiwei Xu and Jianying Zhou

14:50-15:00

Short Break

15:00-15:40

Session V

- **<u>Flexible and Survivable Single Sign-On</u>**

Federico Magnanini, Luca Ferretti and Michele Colajanni

- **<u>The Analysis and Implication of Data Deduplication in Digital Forensics</u>**

Izabela Savic and Xiaodong Lin

15:40-15:50

Closing Remarks