

**The 8th International Symposium on Security and
Privacy in Social Networks and Big Data (SocialSec 2022)**

Xi'an, China

Keynote and Talks: VooV Meeting ID: 659-8560-3386

Authors: VooV Meeting ID: 570-2432-1808

Time (GMT +0800)	Title and Speaker	Chair
Day 1: Nov 04, 2022		
08:00-09:30	Onsite Registration	
09:30-10:30	Keynote 1: Security and Privacy in Machine Learning <i>Jin Li, Guangzhou University</i>	Fanguo Zhang
10:30-11:30	Keynote 2: Oblivious Random Access Machine and its Applications <i>Zheli Liu, Nankai University</i>	Zilong Wang
Lunch		
14:00-15:00	Keynote 3: Key Technologies of Wireless Network Privacy Protection <i>Xinghua Li, Xidian University</i>	Jian Shen

15:00-16:00	Invited Talk 1: Understanding Adaptive Gradient Clipping in DP-SGD, Empirically <i>Hongyang Yan, Guangzhou University</i>	Jianfeng Wang
16:00-17:00	Invited Talk 2: Concretely Efficient Threshold Signing and Decrypting Protocol <i>Qi Feng, Wuhan University</i>	Xiaoyu Zhang
Day 2: Nov 05, 2022		
08:30-09:00	Opening	Xinyi Huang
09:00-10:00	Keynote 4: Safety and Security in Collaborative IoT Systems <i>Elisa Bertino, Purdue University</i>	Xinyi Huang
10:00-10:20	Coffee Break	
10:20-11:20	Keynote 5: Review and Prospect of Graph Computing <i>Xuemin Lin, University of New South Wales</i>	Debiao He
11:20-12:20	Keynote 6: Effective Privacy Preservation in Blockchain <i>Jinjun Chen, Swinburne University of Technology</i>	Zhuo Ma
Lunch		

14:00-15:00	<p>Keynote 7: Blockchain and Federated Learning for IoT</p> <p><i>Yan Zhang, University of Oslo</i></p>	Xiaofeng Chen
15:00-15:25	<p>Improved (t,n)-Threshold Proxy Signature Scheme</p> <p><i>Yaodong Zhang and Feng Liu</i></p>	
15:25-15:50	<p>Algorithm Substitution Attacks on Identity-Based Encryption</p> <p><i>Yifei Wang, Yuliang Lin, Yi Wang, Wei Peng, and Lin Liu</i></p>	
15:50-16:10	<p>Coffee Break</p>	Xiaoyu Zhang
16:10-16:35	<p>Authenticated Continuous Top-k Spatial Keyword Search on Dynamic Objects</p> <p><i>Yetneberk Zenebe Melesew, Jiayi Li, and Yinbin Miao</i></p>	
16:35-17:00	<p>Efficient Attribute-Based Proxy Re-encryption for Secure Deduplication</p> <p><i>Tao Zhang, Chen Wang, and Mulmediyage Imantha Udana Chandrasena</i></p>	
17:00-17:25	<p>A Secure Word Vector Training Scheme Based on Inner-Product Functional Encryption</p> <p><i>Mingwu Zhang, Zhen-An Li, and Peihang Zhang</i></p>	

17:25-17:50	<p>D2D Authentication Scheme for IoT-enabled Smart Home</p> <p><i>Qingru Ma, Tianqi Zhou, and Haowen Tan</i></p>		
Day 3: Nov 06, 2022			
09:00-10:00	<p>Keynote 8: Cryptographic Protocols in Practice</p> <p><i>Moti Yung, Columbia University</i></p>	Zheng Yan	
10:00-10:25	<p>Inner Product Encryption from Middle-Product Learning with Errors</p> <p><i>Niao Yang, Shaojun Yang, Yong Zhao, and Wei Wu</i></p>	Xiaoyu Zhang	
10:25-10:50	<p>Publicly Verifiable Private Set Intersection from Homomorphic Encryption</p> <p><i>Yuting Jiang, Jianghong Wei, and Jing Pan</i></p>		
10:50-11:10	Coffee Break		
11:10-11:35	<p>Secure Asynchronous Federated Learning for Edge Computing Devices</p> <p><i>Dayu Cao, Yinghui Zhang, Wei Liu, and Xuanni Wei</i></p>		
11:35-12:00	<p>FedBC: An Efficient and Privacy-Preserving Federated Consensus Scheme</p> <p><i>Mengfan Xu and Xinghua Li</i></p>		
Lunch			

14:00-14:25	<p>A Secure and Privacy-Preserving Authentication Scheme in IoMT</p> <p><i>Yuxiang Zhou, Haowen Tan, and Karunarathina Chandrathilaka Appuhamilage Asiria Iroshan</i></p>	Xiaoyu Zhang
14:25-14:50	<p>Secure and Efficient k-Nearest Neighbor Query with Privacy-Preserving Authentication</p> <p><i>Zehao Li, Guohua Tian, and Shichong Tan</i></p>	
14:50-15:15	<p>A Network Security Situation Assessment Method Based on Multi-attention Mechanism and HHO-ResNeXt</p> <p><i>Dongmei Zhao, Guoqing Ji, and Shuiguang Zeng</i></p>	
15:15-15:40	<p>A Privacy-Preserving Federated Learning with Mutual Verification on Vector Spaces</p> <p><i>Mingwu Zhang, Chenmei Cui, Gang Shen, and Yudi Zhang</i></p>	
15:40-16:05	<p>Patch-Based Backdoors Detection and Mitigation with Feature Masking</p> <p><i>Tao Wang, Xiaoyu Zhang, Yulin Jin, Chenyang Chen, and Fei Zhu</i></p>	
16:05-16:25	<p>Coffee Break</p>	
16:25-16:50	<p>Detection and Defense Against DDoS Attack on SDN Controller Based on Feature Selection</p> <p><i>Yan Xu, Yongming Liu, and JinXing Ma</i></p>	

16:50-17:15	<p>Commodity-Tra: A Traceable Transaction Scheme Based on FISCO BCOS</p> <p><i>Chunmei Li, Lei Shang, Zheng Wei, Jun Ge, Mingyue Zhang, and Yun Fang</i></p>	
17:15-17:40	<p>A Defect Heterogeneous Risk Assessment Method with Misclassification Cost</p> <p><i>Lixia Xie, Siyu Liu, Hongyu Yang, and Liang Zhang</i></p>	
Day 4: Nov 07, 2022		
09:00-09:25	<p>Squeeze-Loss: A Utility-Free Defense Against Membership Inference Attacks</p> <p><i>Yingying Zhang, Hongyang Yan, Guanbiao Lin, Shiyu Peng, Zhenxin Zhang, and Yufeng Wang</i></p>	Xiaoyu Zhang
09:25-09:50	<p>Improved WAVE Signature and Apply to Post-quantum Blockchain</p> <p><i>Zhuoran Zhang, Haibo Tian, and Fangguo Zhang</i></p>	
09:50-10:15	<p>Secure Government Data Sharing Based on Blockchain and Attribute-Based Encryption</p> <p><i>Daling Shi, Chunjie Cao, and Jun Ye</i></p>	
10:15-10:40	<p>Secure Data Storage Scheme of Judicial System Based on Blockchain</p> <p><i>Zhaoxing Jing, Chunjie Cao, Longjuan Wang, and Yulian Sang</i></p>	
10:40-11:05	<p>Judicial Evidence Storage Scheme Based on Smart Contract</p> <p><i>Hao Wu, Xiaoli Qin, and Yuqing Kou</i></p>	