

ATIS 2014 PROGRAMME - FRIDAY NOVEMBER 28

TALKS AND LUNCH in room G1.29 Greenwood Park building of Deakin University at the corner of Station Street and Burwood Highway. (See the map at the end of the programme.)

09:00-09:55 Invited Talk

Near-field Privacy

By Associate Professor Lejla BATINA, Radboud University Nijmegen, The Netherlands

Introduced by: Assoc. Prof. Wenjia Niu, Chinese Academy of Sciences.

10:00-10:50 SESSION 3: APPLICATIONS (II)

Session Chair: Prof. Lynn Batten

10:00-10:25 *System-level Permission Management Mechanism of Android Device.*

By Dali Zhu, Zheming Fan and Na Pang, Chinese Academy of Sciences, China.

10:25-10:50 *Enhancing Security of the Android Platform via Multi-Level Security Model.*

By Ji-Soo Oh, Min-Woo Park and Tai-Myoung Chung, Sungkyunkwan University, Korea

10:50-11:20 TEA BREAK IN G1.30 (room next door)

11:20-12:50 SESSION 4: SECURITY IMPLEMENTATIONS. Session Chair: Assoc. Prof. Lejla Batina

11:20-11:45 *A New Sybil-Resist Algorithm Based on the Existing Work Sybil Defender in Social Networks.*

By Wei Ma, Senzhe Hu, Qiong Dai, Tingting Wang and Yinfei Huang, Chinese Academy of Sciences, Beijing Special Vehicle Institute, Shanghai Stock Exchange, China.

11:45-12:10 *PAITS: Detecting Masquerader via Short-lived Interventional Mouse Dynamics.*

By Xiaojun Chen, Jinqiao Shi, Rui Xu, S.M. Yiu, Bingxing Fang and Fei Xu, Chinese Academy of Sciences, China

12:10-12:35 *Social Engineering through Social Media: A Comprehensive Investigation on Enterprise Security.*

By Rafiqul Islam and Maumita Bhattacharya, Charles Sturt University, Australia

12:35-12:50 *Efficient key pre-distribution for wireless sensor networks: a case study on 6LoWPAN networks running Contiki-OS.*

By Ruben Smeets, Kris Aerts, Dave Singelee and Nele Mentens, KU Leuven

12:50-13:50 LUNCH (in G1.30)

13:50-14:15 ATIS-2014 AWARDS IN G1.29

14:15-15:55 SESSION 5: CYBERCRIME. Session Chair: Morshed Chowdhury

14:15-14:40 *An approach to Detect The Internet Water Army via Dirichlet Process Mixture Model based GSP Algorithm.*

By Dan Li, Qian Li, Yue Hu, Jianlong Tan and Li Guo, Chinese Academy of Sciences, China

14:40-15:05 *Modeling and Analysis of Network Survivability Under Attack Propagation.*

By Su Yao, Jian-feng Guan, Hongke Zhang, Hua Pan, and Fei Song, Beijing University of Posts and Telecommunications, China

15:05-15:30 *A Scalable Approach for Vulnerability Discovery based on Security Patches.*

By Hongzhe Li, Hyuckmin Kwon, Jonghoon Kwon and Heejo Lee, CCS Lab, Korea University, Korea

15:30-15:55 *Modeling the Effect of Infection Time on Active Worm Propagations*

By Hui Liu, Xiaolong Ma, Bo Ding, Tianzuo Wang and Qiang Lu, Aliyun, China

15:55-16:20 TEA BREAK IN G1.30 (room next door)

16:20-18:00 SESSION 6: DATA PRIVACY. Session Chair: Bernard Colbert

16:20-16:45 *Location Privacy Preserving for Semantic-aware Applications.*

By Lefeng Zhang, Ping Xiong and Tianqing Zhu, Zhongnan University of Economics and Law, China

16:45-17:10 *Analysis on the Reliability of Non-repairable and Repairable Network Storage Systems*

By Yin Mingyong, Chun Wu and Yizheng Tao, Chinese Academy of Engineering Physics, China

17:10-17:35 *Homomorphic Cryptography-based Privacy-Preserving Network Communications.*

By Christophe Bidan, Antoine Guellier and Nicolas Prigent, Suplec/Inria, France

17:35-18:00 *The 0-1 knapsack polytope - a starting point for cryptanalysis of knapsack ciphers?*

By Vicky Mak-Hau and Lynn Batten, Deakin University, Australia

18:00 CLOSING REMARKS

Chair: Prof. Lynn Batten

