

Workshops - Technical Program

1st August, Tuesday - 11:00 AM to 12:30 PM

SPTIoT-1, Port Jackson Room

Applications of Visualization Technology for Network Security

Tang Haina, Han Chunjing and Ge Jingguo

Security Modeling and Analysis of Cross-Protocol IoT Devices

Mengmeng Ge, Jin B. Hong, Hani Alzaid, and Dong Seong Kim

Performance Evaluation of RPL Protocol Under Mobile Sybil Attacks

Faiza Medjek, Djamel Tandjaoui, Imed Romdhani and Nabil Djedjig

WCSF-1, Bennelong Point Room

Deployment of Intrusion Detection System in Cloud: A performance-based study

Varun Mahajan and Sateesh K Peddoju

FBRC: Optimization of task scheduling in Fog-based Region and Cloud

Thanh Dat Dang and Doan Hoang

On the Performance of a Trustworthy Remote Entity in Comparison to Secure Multi-Party Computation

Robin Ankele and Andrew Simpson

SOWN-1, Farm Cove Room

An Integration Testing Platform for Software Vulnerability Detection Method

Jin Li, Jinfu Chen, Minhuan Huang, Minmin Zhou, Lin Zhang, Wanggen Xie

Privacy Protection-oriented Mobile Crowdsensing **Analysis Based on Game Theory**

Rong Ma, Jinbo Xiong, Mingwei Lin, Zhiqiang Yao, Hui Lin, and Ayong Ye

(p, N)-identifiability: Anonymity Under Practical Adversaries

Tomoaki Mimoto, Shinsaku Kiyomoto, Katsuya Tanaka, Atsuko Miyaji

SECSOC-1, Watsons Bay Room

Trust Integration for Security Optimisation in P2P-based M2M Applications

Besfort Shala, Patrick Wacht, Ulrich Trick, Armin Lehmann, Bogdan Ghita and Stavros Shiaeles

Privacy-Preserving Queries over Secret-Shared Graph-Structured Data

Leyla Roohi, Vanessa Teague

Investigating Cube Attacks on the Authenticated Encryption Stream Cipher MORUS

Iftekhar Salam, Leonie Simpson, Harry Bartlett, Ed Dawson, Josef Pieprzyk and Kenneth Koon-Ho Wong

1st August, Tuesday - 1:30 PM to 3:00 PM

SPTIoT-2, Port Jackson Room

Implementing Usage Control in Internet of Things: A Smart Home Use Case

Antonio La Marra, Fabio Martinelli, Paolo Mori and Andrea Saracino

A reconfigurable high-speed ECC processor over NIST primes

Jinnan Ding and Shuguo Li

Outsourcing Privacy Preserving ID3 Decision Tree Algorithm over Encrypted Data-sets for Two-Parties

Ye Li, Zoe L. Jiang, Xuan Wang, S.M. Yiu and Peng Zhang

WCSF-2, Bennelong Point Room

Visualizing the New Zealand Cyber Security Challenge for Attack Behaviors

Jeffery Garae, Ryan K. L. Ko, Janice Kho, Saidah Suwadi, Mark A. Will and Mark Apperley

Attribution using Keyboard Row Based Behavioural Biometrics for Handedness Recognition

Sam Shute, Ryan K L Ko and Sivadon Chaisiri

Online Social Network Information Forensics

Amber Umair, Priyadarsi Nanda, and Xiangjian He

SOWN-2, Farm Cove Room

Base extent optimization for RNS Montgomery Algorithm

Yifeng Mo and Shuguo Li

Security and Resilience in 5G: Current Challenges and Future Directions

Ghada Arfaoui, José Manuel Sanchez Vilchez, Jean-Philippe Wary

SECSOC-2, Watsons Bay Room

Web Anomaly Detection Based on Frequent Closed Episode Rules

Lei Wang, Shoufeng Cao, Lin Wan, and Fengyu Wang

Particle Size Measurement based on Image Multivariate Multi-scale Entropy

Yantong Zhan, Guoying Zhang, Yu Guo, Hang Meng and Xuejun Zhao

An Intrusion Detection System Based on Polynomial Feature Correlation Analysis

Qingru Li, Zhiyuan Tan, Aruna Jamdagni, Priyadarsi Nanda, Xiangjian He and Wei Han

1st August, Tuesday - 3:30 PM to 5:00 PM

SPTIoT - 3, Port Jackson Room

Investigation and Automating Extraction of Thumbnails Produced by Image viewers

Wybren van der Meer, Kim-Kwang Raymond Choo, Nhien-An Le-Khac, M-Tahar Kechadi

A Testbed for Security Analysis of Modern Vehicle Systems

Xi Zheng, Lei Pan, Hongxu Chen, Rick Di Pietro, and Lynn Batten

An Eclat Algorithm Based Energy Detection for Cognitive Radio Networks

Fan Jin, Vijay Varadharajan and Udaya Tupakula

WCSF - 3, Bennelong Point Room

An Efficient Approach for Advanced Malware Analysis using Memory Forensic Technique

Chathuranga Rathnayaka and Aruna Jamdagni

Trust WSN - 1, Farm Cove Room

A Survey on Authorization in Distributed Systems: Information Storage, Data Retrieval and Trust Evaluation

Ava Ahadipour, Martin Schanzenbach

Anonymous Data Sharing Between Organisations with Elliptic Curve Cryptography

Mark A. Will, Ryan K. L. Ko and Silvino J. Schlickmann

Fault Injection Attack on Salsa20 and ChaCha and a Lightweight Countermeasure

Kazuhide Fukushima, Rui Xu, Shinsaku Kiyomoto, and Naofumi Homma

Conference - Technical Program

2nd August, Wednesday - 11:00 AM to 12:30 PM

[ICESS-1, Port Jackson Room](#)

Mixed-Criticality Control System with Performance and Robustness Guarantees

Long Cheng, Kai Huang, Gang Chen, Biao Hu and Alois Knoll

Integrating Cache-Related Pre-emption Delay into GEDF Analysis for Multiprocessor Scheduling with On-Chip Cache

Ying Zhang, Zhishan Guo, Lingxiang Wang, Haoyi Xiong, Zhenkai Zhang

McFTP: A Framework to Explore and Prototype Multi-core Thermal Managements On Real Processors

Long Cheng, Zhihao Zhao, Kai Huang, Gang Chen and Alois Knoll

[Trustcom \(Security-1\), Bennelong Point Room](#)

Classification of Landing and Distribution Domains Using Whois' Text Mining

Tran Phuong Thao, Akira Yamada, Kosuke Murakami, Jumpei Urakawa, Yukiko Sawaya, Ayumu Kubota

Evolution of Publicly Disclosed Information in Facebook Profiles

Reza Farahbakhsh, Samin Mohammadi, Xiao Han, Angel Cuevas and Noel Crespi

Practical Application-Level Dynamic Taint Analysis of Android Apps

Julian Schütte, Alexander Küchler, Dennis Titze

[Big DataSE-1, Farm Cove Room](#)

Industrial Big Data Visualization: A Case Study Using Flight Data Recordings to Discover the Factors Affecting the Airplane Fuel Efficiency

Ming Li and Qin ZHOU

Robust Vehicle Classification Based on the Combination of Deep Features and Handcrafted Features

Liyang Jiang, Jiafeng Li, Li Zhuo and Ziqi Zhu

Precision-Enhanced Image Attribute Prediction Model

Chen Hu, Jiaxin Miao, Zhuo Su, Xiaohong Shi, Qiang Chen and Xiaonan Luo

[Trustcom \(Privacy-1\), Watsons Bay Room](#)

A Relative Privacy Model for Effective Privacy Preservation in Transactional Data

Michael Bewong, Jixue Liu, Lin Liu, Jiuyong Li, Kim Kwang Raymond Choo

A Dual Privacy Preserving Scheme in Continuous Location-Based Services

Shaobo Zhang, Guojun Wang and Qin Liu

A Near-Optimal Source Location Privacy Scheme for Wireless Sensor Networks

Matthew Bradbury and Arshad Jhumka

[Trustcom \(Forensics-1\), Elizabeth Bay Room](#)

Ordol: Obfuscation-Resilient Detection of Libraries in Android Applications

Dennis Titze, Michael Lux and Julian Schütte

A Methodology for Privacy-Aware IoT-Forensics

Ana Nieto, Ruben Rios and Javier Lopez

A Fault-based Attack on AEZ v4.2

Hassan Qahur Al Mahri, Leonie Simpson, Harry Bartlett, Ed Dawson and Kenneth Koon-Ho Wong

2nd August, Wednesday - 1:30 PM to 3:00 PM

ICESSE-2, Port Jackson Room

TINET+TECS: Component-Based TCP/IP Protocol Stack for Embedded Systems

Takuro Yamamoto, Takuma Hara, Takuya Ishikawa, Hiroshi Oyama, Hiroaki Takada and Takuya Azumi

A Real-Time Operating System with CAN-Based Inter-Node Shared Resource Management and Distributed Shared Memory

Kota Ishibashi, Myungryun Yoo and Takanori Yokoyama

Queuing Theory-Guided Performance Evaluation for a Reconfigurable High-Speed Device Interconnected Bus

Weiwen Chen, Keni Qiu, Jiqin Zhou, Yuanhui Ni, and Yuanchao Xu

Trustcom (Security-2), Bennelong Point Room

Authenticating compromisable storage systems

Jiangshan Yu, Mark Ryan and Liqun Chen

Immediate attribute revocation in decentralized attribute-based encryption access control

Yousef Imine, Ahmed Lounis, Abdelmadjid Bouabdallah

On the Effectiveness of Ambient Sensing for Detecting NFC Relay Attacks

Iakovos Gurulian, Carlton Shepherd, Eibe Frank, Konstantinos Markantonakis, Raja Naeem Akram, and Keith Mayes

Big DataSE-2, Farm Cove Room

Implementing A Framework for Big Data Anonymity and Analytics Access Control

Mohammed Al-Zobbi, Seyed Shahrestani and Chun Ruan

Mapping ECG Signal Sequences on Variant Maps

Lihua Leng and Jeffery Zheng

Leveraging NoSQL for Scalable and Dynamic Data Encryption in Multi-Tenant SaaS

Ansar Rafique, Dimitri Van Landuyt, Vincent Reniers, Wouter Joosen

Trustcom (Privacy-2), Watsons Bay Room

Privacy Preserving Collaborative Filtering via the Johnson-Lindenstrauss Transform

Mengmeng Yang, Tianqing Zhu, Lichuan Ma, Yang Xiang and Wanlei Zhou

An Efficient Disjunctive Query enabled Ranked Searchable Encryption Scheme

Shahzaib Tahir, Sushmita Ruj, and Muttukrishnan Rajarajan

An Efficient and Secure Itinerary-based Data Aggregation Algorithm for WSNs

Taochun Wang, Ji Zhang, Yonglong Luo, Kaizhong Zuo and Xintao Ding

Trustcom (Forensics-2), Elizabeth Bay Room

Digital Witness and Privacy in IoT: Anonymous Witnessing Approach

Ana Nieto, Ruben Rios and Javier Lopez

Enhanced Operating System Protection to Support Digital Forensic Investigations

J. Todd McDonald, Ramya Manikyam, William B. Glisson, Todd R. Andel and Yuan X. Gu

ProtectCall: Call Protection based on User Reputation

Ibrahim Tariq Javed, Khalifa Toumi and Noel Crespi

2nd August, Wednesday - 3:30 PM to 5:30 PM

ICESSE-3, Port Jackson Room

GPU Register Packing: Dynamically Exploiting Narrow-Width Operands to Improve Performance

Xin Wang and Wei Zhang

Pipeline Optimizations of Architecting STT-RAM as Registers in Rad-Hard Environment

Zhiyao Gong, Keni Qiu, Weiwen Chen, Yuanhui Ni, Yuanchao Xu, and Jianlei Yang

Return-Oriented Programming on a Cortex-M Processor

Nathanael R. Weidler, Dane Brown, Samuel A. Mitchel, Joel Anderson, Jonathan R. Williams, Austin Costley, Chase Kunz, Christopher Wilkinson, Remy Wehbe, and Ryan Gerdes

Design and Implementation of a Lightweight Smart Insole for Gait Analysis

Hyuntae Cho

Trustcom (Security-3), Bennelong Point Room

WENC: HTTPS Encrypted Traffic Classification Using Weighted Ensemble Learning and Markov Chain

Wubin Pan, Gaung Cheng and Yongning Tang

Pseudo Anonymous and Hidden Attribute Comparison Based on Quick Friend Matching in Mobile Social Networks

Entao Luo, Guojun Wang and Qin Liu

A Distinction Method of Flooding DDoS and Flash Crowds Based on User Traffic Behavior

Degang Sun, Kun Yang, Zhixin Shi and Yan Wang

Big DataSE-3, Farm Cove Room

Large-scale multi-label ensemble learning on Spark

Jorge Gonzalez-Lopez, Alberto Cano and Sebastian Ventura

Vehicle Incident Hot Spots Identification: An Approach for Big Data

Isaac Triguero, Graziela P. Figueredo, Mohammad Mesgarpour, Jonathan M. Garibaldi and Robert I. John

Sensor Data Modeling for Data Trustworthiness

Karthik N and Ananthanarayana V S

Efficient Privacy-preserving Outsourcing of Large-scale QR Factorization

Changqing Luo, Kaijin Zhang, Sergio Salinas and Pan Li

Trustcom (Privacy-3), Watsons Bay Room

Dummy Location Selection Scheme for K-anonymity in Location based Services

Di Wu, Yu Zhang and Yinlong Liu

Secure FPGA as a Service - Towards Secure Data Processing by Physicalizing the Cloud

Mark A. Will and Ryan K. L. Ko

Privacy-Preserving Mechanisms for Parametric Survival Analysis with Weibull Distribution

Thong T. Nguyen and Siu Cheung Hui

Trustcom (Forensics-3), Elizabeth Bay Room

Anonymous Anti-Sybil Attack Protocol for Mobile Healthcare Networks Analytics

Peng Zhang, Xiafei Zhang, Xiaoqiang Sun, Joseph K. Liu, Jianping Yu and Zoe L. Jiang

Implementing Chain of Custody Requirements in Database Audit Records for Forensic Purposes

Denys A. Flores and Arshad Jhumka

Toward Proxy Re-Encryption From Learning with Errors in the Exponent

Zengpeng Li, Chunguang Ma, Ding Wang, Minghao Zhao, Qian Zhao and Lu Zhou

3rd August, Thursday - 11:00 AM to 12:30 PM

Trustcom (Security-4), Port Jackson Room

Based on Multi-Features and Clustering Ensemble Method for Automatic Malware Categorization

Yunan Zhang, Chenghao Rong, Qingjia Huang, Yang Wu, Zeming Yang and Jianguo Jiang

Detection of Single Event Transients based on Compressed Sensing

Cuiping Shao and Huiyun Li

A Practical Anti-collusion Hierarchical Identity-based Non-interactive Key Agreement for Wireless Networks

Qianqian Xing, Baosheng Wang, Xiaofeng Wang, Jing Tao, Liu Liu

Trustcom (Security-5), Bennelong Point Room

Securing the Neighbour Discovery Protocol in IPv6 Stateful Address Auto-Configuration

Nadeem Ahmed, Adeel Sadiq, Anum Farooq and Rabia Akram

Malware Discrimination Based on Reversed Association Task

Lansheng Han, Shuxia Han, Wenjing Jia, Changhua Sun and Cai Fu

Insider Threat Detection Through Attributed Graph Clustering

Anagi Gamachchi and Serdar Boztas

Trustcom (Privacy-4), Farm Cove Room

How to Cooperate Locally to Improve Global Privacy in Social Networks? On Amplification of Privacy Preserving Data

Krzysztof Grining, Marek Klonowski and Malgorzata Sulkowska

Privacy-Preserving Aggregation of Smart Metering via Transformation and Encryption

Lingjuan Lyu, Yee Wei Law, Jiong Jin and Marimuthu Palaniswami

Privacy-preserving and Collusion-aware k-NN Query Processing in Two-tiered Sensor Networks

Juru Zeng, Hong Chen, Weiling Lai, Ying Liu, Cuiping Li and Shan Wang

Trustcom (Forensics-4), Watsons Bay Room

NetworkTrace: Probabilistic Relevant Pattern Recognition Approach to Attribution Trace Analysis

Jian Xu, Xiaochun Yun, Yongzheng Zhang, Yafei Sang and Zhenyu Cheng

Volkswagen Car Entertainment System Forensics

Daniel Jacobs, Kim-Kwang Raymond Choo, M-T. Kechadi and Nhien-An Le-Khac

Detecting Permission Over-claim of Android Applications with Static and Semantic Analysis Approach

Junwei Tang, Ruixuan Li, Hongmu Han, Heng Zhang and Xiwu Gu

Trustcom (Trust-2), Elizabeth Bay Room

Beyond the Hype: On Using Blockchains in Trust Management for Authentication

Nikolaos Alexopoulos, Jorg Daubert, Max Muhlhauser, and Sheikh Mahbub Habib

Adaptive Threshold Scheme for Touchscreen Gesture Continuous Authentication using Sensor Trust

Max Smith-Creasey and Muttukrishnan Rajarajan

Advancing Trust Visualisations for Wider Applicability and User Acceptance

Oksana Kulyk, Benjamin Reinheimer, Paul Gerber, Florian Volk, Melanie Volkamer and Max Muhlhauser

3rd August, Thursday - 1:30 PM to 3:00 PM

BigDataSE-4, Port Jackson Room

A data science and engineering solution for fast k-means clustering of big data

Karl E. Dierckens, Adrian B. Harrison, Carson K. Leung, and Adrienne V. Pind

Automatically Design Distance Functions for Graph-based Semi-Supervised Learning

Patricia Miqilini, Rafael G. Rossi, Marcos G. Quiles, Vin'icius V. de Melo and Márcio P. Basgalupp

GEEK: Grammatical Evolution for automatically Evolving Kernel functions

Aruã de M. Sousa, Ana C. Lorena, Márcio P. Basgalupp

Trustcom (Security-6), Bennelong Point Room

A Public Key Encryption Scheme for String Identification

Indranil Ghosh Ray and Muttukrishnan Rajarajan

Fine-Grained Fingerprinting Threats to Software-Defined Networks

Minjian Zhang, Jianwei Hou, Ziqi Zhang, Wenchang Shi, Bo Qin and Bin Liang

SimiDroid: Identifying and Explaining Similarities in Android Apps

Li Li, Tegawende F. Bissyand 'e and Jacques Klein

Trustcom (Privacy-5), Farm Cove Room

NodeLeaper: Lower Overhead Oblivious AVL Tree

Yao Liu, Qingkai Zeng and Pinghai Yuan

Assessing the Privacy Cost in Centralized Event-Based Demand Response for Microgrids

Areg Karapetyan, Syafiq Kamarul Azman, and Zeyar Aung

Privacy-preserving Detection of Statically Mutually Exclusive Roles Constraints Violation in Interoperable Role-Based Access control

Meng Liu, Xuyun Zhang, Chi Yang, Shaoning Pang, Deepak Puthal and Kaijun Ren

Trustcom (Forensics-5), Watsons Bay Room

Situation Semantics Aggregator for Realtime Simulation on Organizational Behaviors

Yan Zhang, Lejian Liao, Chang Xu and Licheng Shi

Evaluation and Improvement of Pseudo-Random Number Generator for EPC Gen2

Hiroshi Nomaguchi, Atsuko Miyaji and Chunhua Su

Adapting MapReduce for Efficient Watermarking of Large Relational Dataset

Sapana Rani, Dileep Kumar Koshley and Raju Halder

Trustcom (Security-8), Elizabeth Bay Room

A Lightweight Anonymous Mutual Authentication with Key Agreement Protocol on ECC

Wei Zhang, Dongdai Lin, Hailong Zhang, Cong Chen and Xiaojun Zhou

Cloud Controller: A Writable and Heterogeneous-Adaptive Virtual Machine Introspection for Cloud Management

Weizhong Qiang, Gongping Xu, Guozhong Sun, Tianqing Zhu and Hai Jin

Distributed Configuration, Authorization and Management in the Cloud-based Internet of Things

Martin Henze, Benedikt Wolters, Roman Matzutt, Torsten Zimmermann, Klaus Wehrle

3rd August, Thursday - 3:30 PM to 5:30 PM

ICES-4, Port Jackson Room

A Hybrid Heuristic-Genetic Algorithm with Adaptive Parameters for Static Task Scheduling in Heterogeneous Computing System

Shan DING, Jinhui WU, Guoqi XIE and Gang ZENG

A Sample-Based Dynamic CPU and GPU LLC Bypassing Method for Heterogeneous CPU-GPU Architectures

Xin Wang and Wei Zhang

Analysis of authentication parameters in uplink scenario of Heterogeneous Networks

Mahsa Foruhandeh and Ryan M. Gerdes

HiNextApp: A Context-Aware and Adaptive Framework for App Prediction in Mobile Systems

Chaoneng Xiang, Duo Liu, Shiming Li, Xiao Zhu, Yang Li, Jinting Ren and Liang Liang

Trustcom (Security-7), Bennelong Point Room

A Self-healing Key Pre-Distribution Scheme for Multi-Phase Wireless Sensor Networks

Mohamed-Lamine Messai and Hamida Seba

TransCrypt: Transparent Main Memory Encryption Using a Minimal ARM Hypervisor

Julian Horsch, Manuel Huber and Sascha Wessel

On Designing Collusion-Resistant Incentive Mechanisms for Mobile Crowdsensing Systems

Shiyu Ji and Tingting Chen

Trustcom (Privacy-6), Farm Cove Room

A Trajectory Privacy-Preserving Algorithm Based on Road Networks in Continuous Location-based Services

Ayong Ye, Yacheng Li, Li Xu, Qing Li and Hui Lin

Deformable Template Matching Using Proposal-Based Best-Buddies Similarity

Haiying Xia, Wenxian Zhao, Zheng Zhou, Frank Jiang, Haisheng Li and Xiangjian He

Anonymous CoinJoin Transactions with Arbitrary Values

Felix Konstantin Maurer, Till Neudecker and Martin Florian

Trustcom (Forensics-6), Watsons Bay Room

Privileged Data within Digital Evidence

Dominique Fleurbaaij, Mark Scanlon and Nhien-An Le-Khac

Trustcom (Trust-1), Watsons Bay Room

SOMR: Towards a Security-Oriented MapReduce Infrastructure

Rui Zhao, Zhaopeng Meng, Yan Zheng, Qianguo Jin, Anbang Ruan and Hanglun Xie

Feedback Entropy: a new metric to detect unfair rating attacks for trust computing in cloud environments

Manel Mrabet, Yosra ben Saied and Leila Azouz Saidane

SPTIoT - 4, Watsons Bay Room

Corruption-Resistant Privacy Preserving Distributed EM Algorithm for Model-Based Clustering

Kaleb L. Leemaqz, Sharon X. Lee and Geoffrey J. McLachlan

Trustcom (Security-9), Elizabeth Bay Room

CSCdroid: Accurately Detect Android Malware via Contribution-Level-based System Call Categorization

Shaofeng Zhang, Xi Xiao

Secure and Light Weight Fine-grained Access Mechanism for Outsourced Data

Mosarrat Jahan, Partha Sarathi Roy, Kouichi Sakurai, Aruna Seneviratne and Sanjay Jha

Viability of Using Shadows Cast by Vehicles for Position Verification in Vehicle Platooning

Tasnuva Tithi, Chris Winstead and Ryan Gerdes

4th August, Friday - 11:00 AM to 12:30 PM

Trustcom (Trust-3), Port Jackson Room

Towards Cross-Domain eID by using Agile Mobile Authentication

Thomas Lenz and Lukas Alber

Design and Analysis of a Modified Remote Attestation Protocol

Monika Santra, Sateesh K. Peddoju, A.K. Bhattacharjee and Arindam Khan

A new fuzzy clustering approach for reputation management in OSNs

Sana Hamdi, Alda LOPES GANCARSKI, Amel BOUZEGHOUB and Sadok BEN YAHIA

Trustcom (Security-10), Bennelong Point Room

FEPDF: A Robust Feature Extractor for Malicious PDF Detection

Min Li, Yunzheng Liu, Min Yu, Gang Li, Yongjian Wang and Chao Liu

Discovering Malicious Domains through Alias-canonical Graph

Chengwei Peng, Xiaochun Yun, Yongzheng Zhang, Shuhao Li and Jun Xiao

A Passive Client-based Approach to Detect Evil Twin Attacks

Qian Lu, Haipeng Qu, Yuan Zhuang, Xi-Jun Lin, Yanyong Zhu and Yunzheng Liu

Trustcom (Security-12), Farm Cove Room

SEEAD: A Semantic-based Approach for Automatic Binary Code De-obfuscation

Zhanyong Tang, Kaiyuan Kuang, Lei Wang, Chao Xue, Xiaoqing Gong, Xiaojiang Chen, Dingyi Fang, Jie Liu and Zheng Wang

Secure-GLOR: An Adaptive Secure Routing Protocol for Dynamic Wireless Mesh Networks

Ashish Nanda, Priyadarsi Nanda, Xiangjian He, Aruna Jamdagni and Deepak Puthal

Evaluating the Effectiveness of Security Metrics for Dynamic Networks

Simon Enoch Yusuf, Mengmeng Ge, Jin B. Hong, Hani Alzaid and Dong Seong Kim

Trustcom (Security-14), Watsons Bay Room

Mediator-Based Immediate Attribute Revocation Mechanism for CP-ABE in Multicast Group Communications

Lyes Touati and Yacine Challal

One-Round Provably Secure Yoking-Proof for RFID Applications

Da-Zhi Sun and Guang-Quan Xu

Network Traffic Classification Using Tri-training Based on Statistical Flow Characteristics

Shuyuan Zhao, Yongzheng Zhang, Peng Chang

Trustcom (Security-16), Elizabeth Bay Room

Improving Leakage Path Coverage in Android Apps

Garima Modi, Vijay Laxmi, Smita Naval and Manoj Singh Gaur

A Traceable Outsourcing CP-ABE Scheme with Attribute Revocation

Ruoqing Zhang, Lucas Hui, SM Yiu, Xiaoqi Yu, Zechao Liu and Zoe L.Jiang

Lightweight Authentication Protocol (LAUP) for 6LoWPAN Wireless Sensor Networks

Annie Gilda Roselin, Priyadarsi Nanda and Surya Nepal

4th August, Friday - 1:30 AM to 3:00 PM

Trustcom (Trust-4), Port Jackson Room

Exploring granular flow integrity for interconnected trusted platforms

Adrian L. Shaw and Hamza Attak

IoT Trust Estimation in An Unknown Place Using The Opinions of I-Sharing Friends

Bumjin Gwak, Heesuk Son, Jiyeon Kang and Dongman Lee

Controversy-aware Hybrid Trust Inference in Online Social Networks

Paolo Zicari, Roberto Interdonato, Andrea Tagarelli, Sergio Greco

Trustcom (Security-11), Bennelong Point Room

T2Droid: A TrustZone-based Dynamic Analyser for Android Applications

Sileshi Demesie Yalew, Gerald Q. Maguire Jr., Seif Haridi and Miguel Correia

Hidden-Token Searchable Public-Key Encryption

Cong Zuo, Jun Shao, Zhe Liu, Yun Ling and Guiyi Wei

A High-speed and SPA-resistant Implementation of ECC Point Multiplication over GF(p)

Xiang Feng and Shuguo Li

Trustcom (Security-13), Farm Cove Room

SneakLeak: Detecting multipartite leakage paths in Android apps

Shweta Bhandari, Frederic Herbreteau, Vijay Laxmi, Akka Zemhari, Partha S. Roop and Manoj Singh Gaur

An Automated Formal Process for Detecting Fault Injection Vulnerabilities in Binaries and Case Study on PRESENT

Thomas Given-Wilson, Nisrine Jafri, Jean-Louis Lanet, and Axel Legay

Grouping-Proofs Based Access Control using KP-ABE for IoT Applications

Lyes Touati

Trustcom (Security-15), Watsons Bay Room

SniffDroid: Detection of Inter-App Privacy Leaks in Android

Vineeta Jain, Shweta Bhandari, Vijay Laxmi, Manoj Singh Gaur and Mohamed Mosbah

Detecting DNS Tunnel through Binary-Classification Based on Behavior Features

Jingkun Liu, Shuhao Li, Yongzheng Zhang, Jun Xiao, Peng Chang and Chengwei Peng

A Secure Virtual Machine Deployment Strategy to Reduce Co-residency in Cloud

Yuqin Qiu, Qingni Shen, Yang Luo, Cong Li and Zhonghai Wu

Trustcom (Security-17), Elizabeth Bay Room

Sequential and Unsupervised Document Authorial Clustering Based on Hidden Markov Model

Khaled Aldebei, Helia Farhood, Wenjing Jia, Priyadarsi Nanda and Xiangjian He

Access Control Policy Combination from Similarity Analysis for Secure Privacy-preserved EHR Systems

Fatemeh Rezaeibagha and Yi Mu