

ATCS WORKSHOP

8:00 **Morning Coffee** (Venue: next to Jasmine Room)

8:00 –8:30 **Registration** (Venue: Jasmine Room)

8:30 - 9:00 **Opening session** (Venue: Hibiscus Room)

9:00 – 10:00 **Keynote Speech** (Venue: Jasmine Room)
Title: A User Centric Approach to Secure Mobile Systems and Applications
 Robert Deng (Singapore Management University)

10:00 - 10:30 **Coffee Break**

10:30 - 12:00 **Technical Session 1** (Venue: Hibiscus Room)

Session Chair: Dr. Rafiqul Islam

A Review and Costing of Lightweight Authentication Schemes for Internet of Things(IoT): Towards design of an authentication architecture for smart home applications.

Attlee Munyaradzi Gamundani (Namibia University of Science and Technology); Phillips, Amelia (Highline College)
 MUYINGI, HippolyteN (Namibia University of Science and Technology)

Secure Communication on NoC based MPSoC

Sharma, Gaurav, Cybersecurity research centre, Universit  Libre de Bruxelles, Belgium

Ellinidou, Soutana, Universit  (Libre de Bruxelles, Belgium); Kuchta, Veronica (Monash University, Australia);
 Sahu, RajeevAnand (Universit  Libre de Bruxelles, Belgium); Markowitch, Olivier (Universit  Libre de Bruxelles,
 Belgium); Dricot, Jean-Michel (Universit  Libre de Bruxelles, Belgium)

What's in a Downgrade? A Taxonomy of Downgrade Attacks in the TLS Protocol and Application Protocols Using TLS

Alashwali, Eman (University of Oxford); Rasmussen, Kasper (University of Oxford)

12:00 - 13:00 **Lunch Break** (Taste Restaurants)

13:00 - 15:00 **Technical Session 2** (Venue: Hibiscus Room)

Session Chair: A/Prof. Yeslam Al-Sagaf

A Multiple Linear Regression Based High-performance Error Prediction Method

Ma, Bin (Qilu University of Technology, Shandong Academy of Science); Wang, Xiaoyu (Qilu University of Technology, Shandong Academy of Science); Li, Bing (Qilu University of Technology, Shandong Academy of Science); Shi, Yunqing (New Jersey Institute of Technology)

A Secure AODV Protocol Improvement Scheme Based on Fuzzy Neural Network

Xie, Tongyi (Research Department, Guangxi Institute of Education); Mo, Jiawei (Department of Electrical and Computer Engineering, Lushan College of Guangxi University of Science and Technology); Huang, Baohua (School of Computer and Electronic Information, Guangxi University)

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8th August 2018

Malware Detection for Healthcare Data Security

Chowdhury, Mozammel (Charles Sturt University); Jahan, Sharman (Jahangir agar University); Islam, Rafiqul (Charles Sturt University)

Event Reconstruction of Indonesian E-Banking Services on Windows Phone Devices

Cahyani, NikenDwi Wahyu, Department of Informatics (Telkom University, Bandung, Indonesia)
Martini, Ben (School of Information Technology & Mathematical Sciences, University of South Australia); Choo, Kim-Kwang Raymond (Department of Information Systems and Cyber Security, The University of Texas at San Antonio, San Antonio); Ashman, Helen (School of Information Technology & Mathematical Sciences, University of South Australia)

15:00 - 15:30 **Coffee-break**

15:30 - 16:45 **Technical Session 3 (Venue: Hibiscus Room)**

Session Chair: Dr. Rafiqul Islam

Online radicalisation along a continuum: from when individuals express grievances to when they transition into extremism

Al-Saggaf, Yeslam (Charles Sturt University, Australia)

An approach to enhance understanding of digital forensics technical terms in the presentation phase of a digital investigation using multimedia presentations

Cahyani, NikenDwi Wahyu (Department of Informatics, Telkom University, Bandung, Indonesia); Martini, Ben (School of Information Technology & Mathematical Sciences, University of South Australia); Choo, Kim-Kwang Raymond (Department of Information Systems and Cyber Security, The University of Texas at San Antonio, San Antonio); Ashman, Helen (School of Information Technology & Mathematical Sciences, University of South Australia)

A Survey of Big Data Security Solutions in Healthcare

Siddique, Musfira (Naitonal Textile University); Mirza, Muhammad (Naitonal Textile University); Islam, Rafiqul (Charles Sturt University); Ahmed, Mudassar (Naitonal Textile University); Chowdhury, Junaid (Embry-Riddle Aeronautical University)

16:45 Concluding Remarks