

## ATCS WORKSHOP

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

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

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

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**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)

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

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**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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**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)

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**15:00 - 15:30**    **Coffee-break**

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**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)

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**16:45 Concluding Remarks**