

International Workshop on Application and Technologies in Cyber Security (ATCS), 2017

October 22, 2017 5685 Falls Ave, Niagara Falls, ON L2E 6W7, Canada

Program

22 October 2017 – Sunday

Room King George, Crowne Plaza Niagara Falls – Fallsview

08:00 – 9:00 Registration

Session I: 9:00 – 11:00

Session Chair: Dr. Rafiqul Islam

9:00 - 9:05 **Workshop Opening Remarks**
Prof. Raymond Choo

9:05 – 10:00 **Keynote**
Dr. Ali Dehghantanha
Salford University, UK

Technical Session : Cyber Security-I

1. SecControl: Bridging the Gap Between Security Tools and SDN Controllers
 - a. Li Wang, The Pennsylvania State University, USA
 - b. Dinghao Wu, The Pennsylvania State University, USA
2. Hiding Fast Flux Botnet in Plain Email Sight
 - a. Zhi Wang, Nankai University, China
 - b. Meilin Qin, Nankai University, China
3. Cyber security decision support for remediation in automated computer network defence
 - a. Maxwell Dondo, Defence Research and Development Canada, Canada

11:00 – 10:15

Tea/Coffee break

Session II: 11:15-12:30

Session Chair: Dr. Arif Khan

Technical Session: Cyber Security-II

4. A new cyber security framework towards secure data communication for Unmanned Aerial Vehicle (UAV)
Md Samsul Haque, Deakin University, Australia
 - a. Morshed Chowdhury, Deakin University, Australia
5. Situational Crime Prevention and the Mitigation of Cloud Computing Threats
 - a. Chaz Vidal, University of South Australia, Australia
 - b. Kim-Kwang Raymond Choo, The University of Texas at San Antonio, USA
6. WebAD2: A Cascading Model Based on Machine Learning for Web Attacks Detection
 - a. Ying Lin, Beihang University, China
 - b. Bo Li, Beihang University, China
7. Identification of forensic artifacts in VMWare virtualized computing
 - a. Cory Smith, The University of Texas at San Antonio, USA
 - b. Glenn Dietrich, The University of Texas at San Antonio, USA
 - c. Kim-Kwang Raymond Choo, The University of Texas at San Antonio, USA

12:30 – 01:30

Lunch and Informal Discussion

Session III: 01:30-03:00

Session Chair: Prof. Raymond Choo

Technical Session: Access Control Mechanisms & Mobile Networks

8. Fast and Robust Biometric Authentication Scheme using Human Ear
 - a. Mozammel Chowdhury, Charles Sturt University, Australia
 - b. Rafiqul Islam, Charles Sturt University, Australia
 - c. Junbin Gao, University of Sydney, Australia

9. Exploring secure communication in VANET broadcasting
 - a. Muhammad Jafer, Charles Sturt University, Australia
 - b. M. Arif Khan, Charles Sturt University, Australia
 - c. Sabih Ur Rehman, Charles Sturt University, Australia
 - d. Tanveer A. Zia, Charles Sturt University, Australia
10. SoNeUCON_{ABC} Pro: an access control model for social networks with translucent user provenance
 - a. Lorena González Manzano, Universidad Carlos III de Madrid, Spain
 - b. Mark Slaymaker, Open University, UK
 - c. José María De Fuentes, Universidad Carlos III de Madrid, Spain
 - d. Dimitris Vayenas, University of Oxford, UK
11. An effective approach for dealing with the pressure to compromise security during systems development
 - a. Yeslam Al-Saggaf, Charles Sturt University, Australia

03:00 – 03:15

Tea/Coffee break

Session IV: 03:15-5:00

Session Chair: A/Prof. Yeslam Al-Saggaf

Technical Session: Privacy in Social Networks & Mobile Networks

12. Human Factors, Self-awareness and Intervention Approaches in Cyber Security when using Mobile Devices and Social Networks
 - a. Kenneth Eustace, Charles Sturt University, Australia
 - b. Rafiqul Islam, Charles Sturt University, Australia
 - c. Philip Tsang, Web Consortium Education Foundation, HK
 - d. Geoffrey Fellows, Charles Sturt University, Australia
13. Privacy Threat Analysis of Mobile Social Network Data Publication
 - a. Jemal Abawajy, Deakin University, Australia
 - b. Mohd Izuan Hafez Ninggal, Universiti Putra Malaysia, Putrajaya, Malaysia
 - c. Zaher Alghbari, University of Sharjah, Sharjah, UAE
 - d. Abdul Basit Darem, University of Mysore, Mysore, India
 - e. Asma Alhashmi, University of Mysore, Mysore, India
14. Privacy in Social Media
 - a. Erdal Ozkaya, Charles Sturt University, Australia
 - b. Rafiqul Islam, Charles Sturt University, Australia
15. Possible keyloggers without implementing a keyboard in Android
 - a. Itzael Jimenez, CIC-IPN, Mexico
 - b. Eleazar Aguirre Anaya, CIC-IPN, Mexico
 - c. Raul Acosta, CIC-IPN, Mexico
 - d. Ponciano Jorge Escamilla-Ambrosio, CIC-IPN, Mexico
16. Securing Healthcare Data using Biometric Authentication
 - a. Sharmin Jahan, Jahangirnagar University, Bangladesh
 - b. Mozammel Chowdhury, Charles Sturt University, Australia
 - c. Junaid Chaudhry, Edith Cowan University, Australia

05:00

Concluding Remark