

International Workshop on Cloud and Big Data Security 21st & 22nd Sept 2015

Venue: Executive Seminar Room ([Map](#)) S2.2-B2-53, School of EEE,
Nanyang Technological University (NTU), Singapore

Workshop Chair: Prof. Muttukrishnan Rajarajan, City University London, UK;

Local Organized By: INFINITUS, Centre for Infocomm Technology, School of EEE, NTU,
Singapore (Hosted by Asst/P Rongxing Lu)

Sponsored By: *US Office of Naval Research, UK Engineering and Physical Sciences
Research Council, Nanyang Technological University and City University London*

Programme

21st September 2015

9:00 – 10:00 Registration

10:00 – 10:15 Welcome & Introduction to Big Data & Cloud Challenges – Prof M
Rajarajan (Workshop Chair)

10:15 – 10:45 Professor Mauro Conti (University of Padova, Italy) - Mobile
Cloud Computing: Novel Privacy Issues and Possible Solutions

10:45 – 11:00 Tea

11:00 – 11:30 Dr. Maode Ma (Nanyang Technological University) - Design of Novel
Authenticated Multi-party Key Agreement for Private Cloud

11:30 – 12:00 Dr Guangbin Huang (Nanyang Technological University) – Extreme
Learning Machines: A Unifying Learning Framework for Big Data Analytics

12:00 – 12:30 Dr Joel Coffman (John Hopkins University, USA) – Data Protection in
OpenStack

12:30 – 13:30 Lunch

13:30 – 14:00 Professor Chittaranjan Hota (Birla Institute of Technology, India) - Big-data
analytics for throttling network threats

14:00 – 14:30 Dr Olga Angelopoulou (University of Hertfordshire, UK) - Data Forensics in the Cloud

14:30 – 15:00 Dr. Yilin Mo (Nanyang Technological University, Singapore) - Security and Privacy in Multi-agent Systems

15:00 – 15:30 Tea

Note: The Rest of the Programme for 21st Sept will be @ INFINITUS Meeting Room (S2-B4b-05)

15:30 – 16:00 Professor Sudip Misra (Indian Institute of Technology, Kharagpur, India) – Building Internet-of-Things with Cloud and Big Data

16:00 – 16:30 Professor Hiroaki Kikuchi (Meiji University, Japan) - Data anonymisation in Big Data

16:30 – 17:00 Dr. Alwen Fernanto Tiu (Nanyang Technological University, Singapore) – Towards Formal Certification of Information Flow Security of Mobile Apps

22nd Sept 2015

09:30 – 10:00 Tea

10:00 – 10:30 Prof Raphael Phan, Multimedia University, Malaysia – Nowhere to Hide: the Privacy umbrella & Brothers among Us

10:30 – 11:00 Dr. Jianying Zhou (Institute for Infocomm Research, Singapore) - On the Security of Cloud Data Storage and Sharing

11:00 – 11:45 Alison Knight (University of Southampton, UK) - Privacy laws for Big Data and Cloud

11:45 – 12:15 Dr. Rongxing Lu (Nanyang Technological University, Singapore) - Efficient and Privacy-Preserving Data Mining

12:15 – 12:45 Big Research Ideas in Big Data (Participants to Contribute and Vote)

12:45 – 13:00 Concluding Remarks

13:00 – 14:00 Lunch