



MIST 2016 Program (October 28, 2016)

08:50-09:00 Welcome Message

General Co-Chair: Dr. Ilsun You (Soonchunhyang University, Republic of Korea)

09:00-10:30 Session 1 - Access Control & Application Security

Session Chair: Dr. Ioannis Agraftotis (Oxford University, UK)

- A Grey-Box Approach for Detecting Malicious User Interactions in Web Applications
Wafa Ben Jaballah and Nizar Kheir
Orange Labs, France
- Restricting Insider Access through Efficient Implementation of Multi-Policy Access Control Systems
Peter Mell, James Shook, and Serban Gavrila
National Institute of Standards and Technology, USA
- Towards Formal Analysis of Insider Threats for Auctions
Florian Kammüller¹, Manfred Kerber², and Christian W. Probst³
¹Middlesex University London, UK and TU Berlin, Germany
²University of Birmingham, UK
³Technical University of Denmark, Denmark

10:30-11:00 Coffee Break

11:00-12:30 Session 2 - Best Paper

Session Chair: Dr. Christian W. Probst (Technical University of Denmark, Denmark)

- Studying Naive Users and the Insider Threat with SimpleFlow
Ryan Johnson, Jessie Lass, and W. Michael Petullo
United States Military Academy, USA
- A New Take on Detecting Insider Threats: Exploring the use of Hidden Markov Models
Tabish Rashid, Ioannis Agraftotis, and Jason R.C. Nurse
Oxford University, UK

12:30-14:00 Lunch Break

In cooperation with



14:00-15:30 Session 3 - Cyber Attacks & Network Security

Session Chair: Dr. Florian Kammüller (Middlesex University London, UK and Berlin, Germany)

- Cyber Deception: Virtual Networks to Defend Insider Reconnaissance
Stefan Achleitner¹, Thomas La Porta¹, Patrick McDaniel¹, Shridatt Sugrim², Srikanth Krishnamurthy³, and Ritu Chadha²
¹*Pennsylvania State University, USA*
²*Applied Communication Sciences, USA*
³*University of California, Riverside, USA*
- Pragmatic Security: Modelling IT Security Management Responsibilities for SME Archetypes
Simon Parkin¹, Andrew Fielder², and Alex Ashby³
¹*University College London, UK*
²*Imperial College London, UK*
³*Control Esc Ltd., Riverside, UK*
- Ports Distribution Management for Privacy Protection inside Local Domain Name System
Fei Song¹, Wei Quan¹, Tianming Zhao¹, Hongke Zhang¹, Ziwei Hu², and Ilsun You³
¹*Beijing Jiaotong University, China*
²*Global Energy Interconnection Research Institute, China*
³*Soonchunhyang University, Republic of Korea*

15:30-16:00 Coffee Break

16:00-17:30 Session 4 - Short Paper

Session Chair: Dr. Ilsun You (Soonchunhyang University, Republic of Korea)

- Function-Based Access Control (FBAC): From Access Control Matrix to Access Control Tensor
Yvo Desmedt¹ and Arash Shaghghi²
¹*The University of Texas at Dallas and University College London (UCL), USA*
²*The University of New South Wales (UNSW) and Data61, CSIRO, Australia*
- WatchIT: Who Watches Your IT Guy?
Noam Shalev¹, Idit Keidar¹, Yosef Moatti², and Yaron Weinsberg²
¹*Technion, Israel*
²*IBM Research, Israel*
- A New Risk Assessment Framework Using Graph Theory for ICT complex systems
Mohamed Yassine Naghmouchi¹, Nancy Perrot¹, Ridha Mahjoub², Nizar Kheir¹, and Jean-Philippe Wary¹
¹*Orange Labs, France*
²*LAMSADE, University Paris-Dauphine*
- Online and offline security policy assessment
Fulvio Valenza, Marco Vallini, and Antonio Lioy
Politecnico di Torino, Italy
- A tripwire grammar for insider-threat detection
Ioannis Agraftotis, Arnau Erola, Michael Goldsmith and Sadie Creese
Oxford University, UK
- Discovering Insider Threats from Log Data with High-Performance Bioinformatics Tools
Markus Wurzenberger¹, Florian Skopik¹, Roman Fiedler¹, and Wolfgang Kastner²
¹*AIT Austrian Institute of Technology, Austrian*
²*Vienna University of Technology, Austrian*
- Analysis on Manipulation of the MAC Address and Consequent Security Threats
Kyungroul Lee¹, Hyeungjun Yeuk¹, Kangbin Yim¹, and Suhyun Kim²
¹*R&BD Center for Security and Safety Industries, Soonchunhyang University, Republic of Korea*
²*IoT Security Research Center, Soonchunhyang University, Republic of Korea*