

**First International Workshop on Security and Privacy in
Machine-to-Machine Communications
(M2MSec'14 Program)**

Wednesday, October 29, 2014

Opening Remarks

8:50 - 9:00 Chiu C. Tan (Temple University, USA)

Keynote

9:00 - 10:00 **Securing the Internet of Things.** Daniel W. Engels (Southern Methodist University, USA)

Networking Break (10:00 - 10:30)

Session 1 (Secure Smart Environments)

10:30 - 11:00 **Securing Smart Home: Technologies, Security Challenges, and Security Requirements.** Changmin Lee (George Washington University, USA)

11:00 - 11:30 **Integration and Evaluation of Intrusion Detection for CoAP in Smart City Applications.** Jana Krimmling (IHP, Germany), Steffen Peter (University of California, Irvine, USA)

11:30 - 12:00 **An Experimental Study of Security and Privacy Risks with Emerging Household Appliances.** Sukhvir Notra (University of New South Wales, Australia), Muhammad Siddiqi (University of New South Wales, Australia), Hassan Habibi Gharakheili (University of New South Wales, Australia), Vijay Sivaraman (University of New South Wales, Australia), Roksana Boreli (National ICT Australia & University of New South Wales, Australia)

Lunch Break (12:00 - 14:00)

Panel

14:00 - 15:00 Machine-to-Machine Security and Privacy: Challenges and Opportunities.

Moderator: Chiu C. Tan (Temple University, USA)

Panelist: Geoff Brown (Machine-To-Machine Intelligence (M2Mi) Corporation, USA), Qi Chai (Google, USA), David Kravitz (IBM Research - Almaden, USA), Zhuo Lu (University of Memphis, USA), Vijay Sivaraman (University of New South Wales, Australia)

Networking Break (15:00 - 16:00)

Session 2 (Secure Data Communications)

16:00 - 16:30 Practical and Secure Machine-to-Machine Data Collection Protocol in Smart Grid.

Suleyman Uludag (University of Michigan - Flint, USA), King-Shan Lui (The University of Hong Kong, Hong Kong), Wenyu Ren (University of Illinois at Urbana-Champaign, USA), K-lara Nahrstedt (University of Illinois at Urbana-Champaign, USA)

16:30 - 17:00 Identity-Based Protocol Design Patterns for Machine-to-Machine Secure Channels. Francisco Corella (Pomcor, USA), Karen P. Lewison (Pomcor, USA)

Concluding Remarks

17:00 - 17:10 Chiu C. Tan (Temple University, USA)