

DPM-QASA 2015 Program

MONDAY September 21

09:15-09:30 General Welcome

(Room: *LH C*)

09:30-10:30 Session 1: Quantitative Analysis of Security Assurance

(Room: *LH C*, Chair: *Fabio Martinelli*)

09:30-10:00 **Composable Bounds on Information Flow from Distribution Differences.** By Megumi Ando and Joshua D. Guttman.

10:00-10:30 **Quantitative Analysis of Network Security with Abstract Argumentation.** By Artsiom Yautsiukhin and Francesco Santini.

10:30-11:00 Coffee Break

11:00-12:30 Session 2: Assurance and Data Management

(Room: *LH C*, Chair: *Joaquin Garcia-Alfaro*)

11:00-11:30 **Security-Based Runtime Adaptation of Multi-Cloud Applications.** By Kyriakos Kritikos and Philippe Massonet.

11:30-12:00 **AdIDoS - Adaptive and Intelligent Fully-Automatic Detection of Denial-of-Service Weaknesses in Web Services.** By Christian Altmeier, Christian Mainka, Juraj Somorovsky and Jörg Schwenk.

12:00-12:30 **PerfectDedup: Secure Data Deduplication.** By Pasquale Puzio, Refik Molva, Melek Önen and Sergio Loureiro.

12:30-14:00 Lunch

14:00-15:30 Session3 + Invited Talk DPM-QASA

(Room: *LH C*, Chair: *Fabio Martinelli*)

14:00-14:30 **Stronger Security for Sanitizable Signatures.** By Stephan Krenn, Kai Samelin and Dieter Sommer.

14:30-15:30 Invited Talk DPM-QASA

Title: Data Security and Privacy in the Cloud

By Pierangela Samarati (*Università degli Studi di Milano, Italy*).

15:30-16:00 Coffee Break

16:00-17:30 Session 4: Monetization and Data Revocation

(Room: *LH C*, Chair: *Guillermo Navarro-Arribas*)

16:00-16:30 An integrated reward and reputation mechanism for MCS preserving users privacy. By Cristian Tanas, Sergi Delgado-Segura and Jordi Herrera-Joancomartí.

16:30-17:00 Some Remarks and Ideas about Monetization of Sensitive Data. By Ania M. Piotrowska and Marek Klonowski.

17:00-17:30 A Novel Approach for Data Revocation on the Internet. By Olga Kieselmann, Nils Kopal and Arno Wacker.

18:00-22:30 Workshop Dinner

TUESDAY September 22

09:15-09:30 CyberICS & WOS-CPS Welcome

(Room: *LH B*)

09:30-10:30 Invited Joint Talk (CyberICS & WOS-CPS & DPM-QASA)

Title: From SCADA Security to Adversarial Control Theory
By Dieter Gollman (*Technischen Universität Hamburg, Germany*)

10:30-11:00 Coffee Break

11:00-12:20 Session 5: Short Papers

(Room: *LH C*, Chair: *Isaac Agudo*)

11:00-11:20 User-centric privacy-preserving collection and analysis of trajectory data (Short Paper). By Cristina Romero-Tris and David Megías.

11:20-11:40 Can You Really Anonymize the Donors of Genomic Data in Today's Digital World? (Short Paper). By Mohammed Alser, Nour Almadhoun, Azita Nouri, Can Alkan and Erman Ayday.

11:40-12:00 The leaking battery: A privacy analysis of the HTML5 Battery Status API (Short Paper). By Lukasz Olejnik, Gunes Acar, Claude Castelluccia and Claudia Diaz.

12:00-12:20 Secure Refactoring with Java Information Flow (Short Paper). By Steffen Helke, Florian Kammüller and Christian W. Probst.

12:30-14:00 Lunch

14:00-15:20 Session 6: Position & Short Papers

(Room: *LH C*, Chair: *Jordi Herrera-Joancomartí*)

14:00-14:20 Privacy Threats in E-Shopping (Position Paper). By Jesus Diaz, Seung Geol Choi, David Arroyo, Angelos Keromytis, Fb Rodriguez and Moti Yung.

14:20-14:40 Comparison-based Privacy: Nudging Privacy in Social Media (Position Paper). By Jan Henrik Ziegeldorf, Martin Henze, Rene Hummen and Klaus Wehrle.

14:40-15:00 You never surf alone. Ubiquitous tracking of users' browsing habits (Short Paper). By Silvia Puglisi, David Rebollo-Monedero and Jordi Forné.

15:00-15:20 LockPic: Privacy Preserving Photo Sharing in Social Networks (Short Paper). By Carlos Pares-Pulido and Isaac Agudo.

15:30-16:00 Coffee Break

16:00-17:30 Session 7: Biometrics and Privacy Preservation

(Room: *LH C*, Chair: *Joaquin Garcia-Alfaro*)

16:00-16:30 Privacy-Preserving Biometric Authentication and Matching via Lattice-Based Encryption. By Constantinos Patsakis, Jeroen van Rest, Michal Choras and Mélanie Bouroche.

16:30-17:00 Comprehensive and Improved Secure Biometric System using Homomorphic Encryption. By Avradip Mandal, Arnab Roy and Masaya Yasuda.

17:00-17:30 On the Privacy of Horizontally Partitioned Binary Data-based Privacy-Preserving Collaborative Filtering. By Murat Okkalioglu, Mehmet Koc and Huseyin Polat.

17:30-17:45 Farewell