June 20, 2012

08:00 – 09:00 Registration

09:00 – 09:30 Welcome

09:30 – 10:30 Keynote Session
Session Chair: Vijay Atluri

Ruby Lee: Hardware-enhanced access control for Cloud Computing

10:30 – 11:00 Coffee Break

11:00 – 12:30 Session 1: Access Control for Mobile Devices and Social Networks
Session Chair: Ian Molloy

MOSES: Supporting Operation Modes on Smartphones
Giovanni Russello, Mauro Conti, Bruno Crispo and Earlence Fernandes

Android Permissions: A Perspective Combining Risks and Benefits
Bhaskar Sarma, Ninghui Li, Chris Gates, Rahul Potharaju, Cristina Nita-Rotaru and Ian Molloy

Policy-by-Example for Online Social Networks
Gorrell Cheek and Mohamed Shehab

12:30 – 13:30 Lunch

13:30 – 15:00 Session 2: Role Mining and User Obligations
Session Chair: Ninghui Li

Ensuring Authorization Requirements for Cascading User Obligations
Omar Chowdhury, Murillo Pontual, William Winsborough, Ting Yu, Keith Irwin and Jianwei Niu

Generative Models for Access Control Policies: Applications to Role Mining Over Logs with Attribution
Ian Molloy, Youngja Park and Suresh Chari

Algorithms for Mining Meaningful Roles
Zhongyuan Xu and Scott Stoller

15:00 – 15:30 Coffee Break

15:30 – 17:00 Panel
Session Chair: Rafae Bhatti (Accenture)

Emerging Trends around Big Data Analytics and Security

June 21, 2012

09:00 – 10:00 Keynote Session
Session Chair: Axel Kern

Ravi Sandhu: The Authorization Leap from Rights to Attributes: Maturation or Chaos?

10:00 – 10:30 Coffee Break

10:30 – 12:30 Session 3: Access Control Applications
Session Chair: Elisa Bertino

SCUTA: A Server-Side Access Control System for Web Applications
Xi Tan, Wenliang Du, Tongbo Luo and Karthick Soundararaj

Graph-Based XACML Evaluation
Santiago Pina Ros, Mario Lischka and Felix Gomez Marmol

Optimal Workflow-aware Authorizations
David Basin, Samuel Burri and Guenter Karjoth

Access Control for RDF Graphs using Abstract Models
Vassilis Papakonstantinou, Maria Michou, Irini Fundulaki, Giorgos Flouris and Grigoris Antoniou

12:30 – 13:30   Lunch

13:30 – 15:00   Demo Session
       Session Chair: Andreas Schaad

15:00 – 15:15   Coffee Break

15:15 – 16:45   Session 4: Privacy
       Session Chair: Murat Kantarcioglu

Efficient Privacy Preserving Content Based Publish Subscribe Systems
Mohamed Nabeel and Elisa Bertino

Fine Grained Access Control of Personal Data
Ting Wang and Mudhakar Srivatsa

A Calculus for Privacy-friendly Authentication
Patrik Bichsel, Jan Camenisch and Dieter Sommer

17:15   Bus leaves for social event

June 22, 2012

09:00 – 10:30 Session 5: Access Control Policies
       Session Chair: James Joshi (University of Pittsburgh)

A Framework for Verification and Optimal Reconfiguration of Event-driven Role Based Access Control Policies
Basit Shafiq, Jaideep Vaidya, Arif Ghafoor and Elisa Bertino

A Model-Based Approach to Automated Testing of Access Control Policies
Dianxiang Xu, Lijo Thomas, Michael Kent, Tejeddine Mouelhi and Yves Le Traon

PLexC: A Policy Language for Exposure Control
Yann Le Gall, Adam Lee and Apu Kapadia

10:30 – 11:00 Coffee Break

11:00 – 12:30 Session 6: Role-Based AccessControl
       Session Chair:

A Trust-and-Risk Aware RBAC Framework: Tackling Insider Threat
Nathalie Baracaldo and James Joshi

Analyzing Temporal Role Based Access Control Models
Emre Uzun, Vijayalakshmi Atluri, Shamik Sural, Jaideep Vaidya, Madhusudan Parthasarathy, Gennaro Parlato and Anna Lisa Ferrara

A Framework Integrating Attribute-based Policies into RBAC
Jingwei Huang, David Nicol, Rakesh Bobba and Jun Ho Huh

12:30 – 14:00 Box Lunch