

2012 ACM Cloud Computing Security Workshop (CCSW)

19 October 2012, Sheraton Raleigh, Raleigh, NC, USA

<http://crypto.cs.stonybrook.edu/ccsw12>

Microsoft

Notwithstanding the latest buzzword (grid, cloud, utility computing, SaaS, etc.), large-scale computing and cloud-like infrastructures are here to stay. How exactly they will look like tomorrow is still for the markets to decide, yet one thing is certain: clouds bring with them new deployment and associated adversarial models and vulnerabilities. CCSW brings together researchers and practitioners in all security aspects of outsourced computing, including:

- practical cryptography for cloud security
- secure cloud resource virtualization
- secure data management outsourcing
- practical privacy & integrity for outsourcing
- foundations of cloud-centric threat models
- secure computation outsourcing
- remote attestation mechanisms in clouds
- sandboxing and VM-based enforcements
- trust and policy management in clouds
- secure identity management mechanisms
- cloud-aware web service security paradigms
- cloud-centric regulatory compliance
- business & security risk models and clouds
- cost & usability models and their interaction with security in clouds
- scalability of security in global-size clouds
- trusted computing technology and clouds
- binary analysis of software for remote attestation and cloud protection
- cloud network security (DOS defense, IDS)
- security for cloud programming models
- energy/costs/efficiency of security in clouds

We would like to *especially encourage novel paradigms and controversial ideas* that are not on the above list. The workshop is to act as a fertile ground for creative debate and interaction in security-sensitive areas of cloud-impacted computing. Both full and short papers are solicited (**core research** and **vision/position** works).

Multiple **student stipends** are available to attend CCSW. Preference is given to students with papers.

DATES

- Submissions: **July 16, 2012**
- Author notification: August 13, 2012

ORGANIZATION

PC Chairs

Srdjan Capkun, ETH Zurich

Seny Kamara, Microsoft Research

Committee

Giuseppe Ateniese, Sapienza-U. of Rome & Johns Hopkins U.

Christian Cachin, IBM Research

Mihai Christodorescu, IBM Research

Emiliano de Cristofaro, PARC

Jeffrey Chase, Duke University

Byung-Gon Chun, Yahoo! Research

Reza Curtmola, New Jersey Institute of Technology

George Danezis, Microsoft Research

Leendert van Doorn, AMD

Nick Feamster, Georgia Tech

Bryan Ford, Yale University

Xiaohui (Helen) Gu, North Carolina State University

Amir Herzberg, Bar Ilan University

Navendu Jain, Microsoft Research

Ari Juels, RSA Laboratories

Ghassan Karame, NEC Laboratories Europe

Farinaz Koushanfar, Rice University

Ruby Lee, Princeton University

Jonathan McCune, Carnegie Mellon University

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