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
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Byung-Chun, Yahoo! Research
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Radu Sion, Stony Brook University
Dongyan Xu, Purdue University

Steering
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Adrian Perrig, Carnegie Mellon University
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