

8th ACM Cloud Computing Security Workshop

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ABSTRACT

Cloud computing is a dominant trend in computing for the foreseeable future; e.g., major cloud operators are now estimated to house over a million machines each and to host substantial (and growing) fractions of our IT and web infrastructure. CCSW is a forum for bringing together researchers and practitioners to discuss the implications of this trend to the security of cloud operators, tenants, and the larger Internet community. CCSW welcomes submissions on new threats, countermeasures, and opportunities brought about by the move to cloud computing, with a preference for unconventional approaches, as well as measurement studies and case studies that shed light on the security implications of clouds.

Keywords

Cloud computing; Security

1. TOPICAL COVERAGE

ACM CCSW is a forum for presenting novel research or empirical studies from academia, industry, and government on all theoretical and practical aspects of security, privacy, and data protection in cloud scenarios. Topics of interest include, but are not limited to:

- secure cloud resource virtualization
- secure data management outsourcing
- practical privacy and integrity mechanisms for outsourcing
- cloud-centric threat models
- secure outsourced computation
- remote attestation mechanisms in clouds
- sandboxing and VM-based enforcement
- trust and policy management in clouds
- secure identity management mechanisms
- cloud-aware web service security paradigms and mechanisms
- cloud-centric regulatory compliance issues and mechanisms
- business and security risk models for clouds

- cost and usability models and their interaction with cloud security
- scalability of secure clouds
- trusted computing technology and clouds
- analysis of software for remote attestation and cloud protection
- network security (DoS, IDS, etc.) mechanisms for clouds
- security for cloud programming models

CCSW is also receptive to novel paradigms and controversial ideas that are not on the above list.

2. PROGRAM COMMITTEE

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3. PROGRAM CO-CHAIRS

Elli Androulaki is a Research Staff Member at IBM Research – Zurich, where she is leading a team focusing on Hyperledger-fabric security. During her tenure at IBM Research, Dr. Androulaki has performed applied security research and development, contributing to multiple products in the IBM Enterprise Block and File Storage portfolio. Before joining IBM Research, Dr. Androulaki worked at the Systems Security group at ETH Zurich as a researcher.

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