



ACM CODASPY 2012



Call for Papers

2nd ACM Conference on Data and Application Security and Privacy

February 7-9 2012

Hilton Palacio Del Rio, San Antonio, Texas

Announcement: ACM SIGSAC announces the continuation of its recently launched annual ACM Conference on Data and Applications Security. The second conference will be held February 7-9 2012 in Hilton Palacio Del Rio, San Antonio, Texas. With rapid global penetration of the Internet and smart phones and the resulting productivity and social gains, the world is becoming increasingly dependent on its cyber infrastructure. Criminals, spies and predators of all kinds have learnt to exploit this landscape much quicker than defenders have advanced in their technologies. Security and Privacy has become an essential concern of applications and systems throughout their lifecycle. Security concerns have rapidly moved up the software stack as the Internet and web have matured. The security, privacy, functionality, cost and usability tradeoffs necessary in any practical system can only be effectively achieved at the data and application layers. This new conference series provides a dedicated venue for high-quality research in this arena, and seeks to foster a community with this focus in cyber security.

Scope: Data and the applications that manipulate data are the crucial assets in today's information age. With the increasing drive towards availability of data and services anytime anywhere, security and privacy risks have increased. Vast amounts of privacy-sensitive data are being collected today by organizations for a variety of reasons. Unauthorized disclosure, modification, usage or denial of access to these data and corresponding services may result in high human and financial costs. New applications such as social networking and social computing provide value by aggregating input from numerous individual users and/or the mobile devices they carry with them and computing new information of value to society and individuals. To achieve efficiency and effectiveness in traditional domains such as healthcare there is a drive to make these records electronic and highly available. The need for organizations and government agencies to share information effectively is underscored by rapid innovations in the business world that require close collaboration across traditional boundaries and the dramatic failure of old-style approaches to information protection in government agencies in keeping information too secret to connect the dots. Security and privacy in these and other arenas can be meaningfully achieved only in context of the application domain.

Data and applications security and privacy has rapidly expanded as a research field with many important challenges to be addressed. The goal of the conference is to discuss novel exciting research topics in data and application security and privacy and to lay out directions for further research and development in this area. The conference seeks submissions from diverse communities, including corporate and academic researchers, open source projects, standardization bodies, governments, system and security administrators, software engineers and application domain experts.

Topics: Include but not limited to

- Application layer security policies
- Authorization /Access Control for Applications
- Authorization/Access Control for Databases
- Data dissemination controls
- Data forensics
- Enforcement layer security policies
- Privacy preserving techniques
- Private information retrieval
- Search on protected/encrypted data
- Secure auditing
- Secure collaboration
- Secure data provenance
- Secure electronic commerce
- Secure information sharing
- Secure knowledge management
- Secure multiparty computations
- Secure software development
- Securing data/apps on untrusted platforms
- Securing the semantic web
- Security and Privacy in GIS/Spatial Data
- Security and Privacy in Healthcare
- Security policies for databases
- Social computing security and privacy
- Social networking security and privacy
- Trust metrics for application, data and user
- Web application security

General Chair:

Elisa Bertino, Center for Education and Research in Information Assurance and Security (CERIAS), Purdue U.

Program Chair:

Ravi Sandhu, Institute for Cyber Security (ICS), University of Texas at San Antonio



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Local Arrangements Chair:

Suzanne Tanaka, Institute for Cyber Security (ICS), University of Texas at San Antonio

Industry Chair:

Dan Thomsen, Smart Information Flow Technologies

Publicity Chair:

Ali Inan, Isik University

Proceedings Chair:

Jae Park, University of Texas at San Antonio

Important Dates:

Paper Submissions: ~~September 10th 2011~~ **September 21st 2011, 12:00 Noon US Central Time**

Notification: November 11 2011

Camera Ready: December 5 2011

Conference Web Site:

www.codaspy.org

Program Committee:

Ahn, Gail-Joon	Arizona State University
Atluri, Vijay	Rutgers University
Bauer, Lujo	Carnegie Mellon University
Bertino, Elisa	Purdue University
Carminati, Barbara	University of Insubria
Conti, Mauro	Vrije Universiteit Amsterdam
Ferrari, Elena	University of Insubria
Fong, Philip	University of Calgary
Ghinita, Gabriel	Purdue University
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Karjoth, Gunter	IBM Research (Zurich)
Krishnan, Ram	University of Texas at San Antonio
Liu, Peng	Pennsylvania State University
Park, Jae	University of Texas at San Antonio
Pernul, Gunther	University of Regensburg
Pretschner, Alexander	Karlsruhe Institute of Technology
Pucheral, Philippe	University of Versailles
Ray, Indrajit	Colorado State University
Shang, Ning	Qualcomm
Shi, Elaine	PARC
Shi, Weidong	University of Houston
Thomsen, Dan	Smart Information Flow Technologies
Thuraisingham, Bhavani	University of Texas at Dallas
Tripunitara, Mahesh	University of Waterloo
Vaidya, Jaideep	Rutgers University
Varadharajan, Vijay	Macquarie University
Xu, Shouhuai	University of Texas at San Antonio
Zhang, Xinwen	Huawei