

CODASPY'15 – Program (Tentative)

Session	Title	Authors	Time
Day 1			
	<i>Breakfast</i>		7:30 - 8:20
	<i>Welcome from General Chair and Program Chair</i>		8:20 – 8:30
Session 1	<i>Privacy and Access Control</i> <i>Session Chair: Alexander Pretschner</i>		8:30 – 10:00
coda031	DBMask: Fine-Grained Access Control on Encrypted Relational Databases	Muhammad Ihsanulhaq Sarfraz (Purdue University); Mohamed Nabeel (Oracle); Jianneng Cao (Purdue University); Elisa Bertino (Purdue University)	
coda040	Differentially-Private Mining of Moderately-Frequent High-Confidence Association Rules	Mihai Maruseac (Univ. of Massachusetts, Boston); Gabriel Ghinita (Univ. of Massachusetts, Boston)	
coda077	DetAnom: Detecting Anomalous Database Transactions by Insiders	Syed Hussain (Purdue University); Asmaa Sallam (Purdue University); Elisa Bertino (Purdue University)	
	<i>Coffee Break</i>		10:00 – 10:30
Session 2	<i>Mobile Security</i> <i>Session Chair: Gabriel Ghinita</i>		10:30 – 12:00
coda051	StaDynA: Addressing the Problem of Dynamic Code Updates in the Security Analysis of Android Applications	Yury Zhauniarovich (Univ. of Trento); Maqsood Ahmad (Univ. of Trento); Olga Gadyatskaya (SnT, Univ. of Luxembourg); Bruno Crispo (Univ. of Trento); Fabio Massacci (Univ. of Trento)	
coda063	Dimensions of Risk in Mobile Applications: A User Study	Jing Chen (Purdue Univ.); Christopher S. Gates (Purdue Univ.); Zach Jorgensen (North Carolina State Univ.); Ninghui Li (Purdue Univ.); Robert W. Proctor (Purdue Univ.); Ting Yu (Qatar Computing Research Institute)	
coda088	SemaDroid: A Privacy-Aware Sensor Management Framework for Smartphones	Zhi Xu (Pennsylvania State University); Sencun Zhu (Pennsylvania State University)	
	<i>Lunch</i>		12:00 – 1:30
Session 3	<i>Keynote Address</i> <i>Session Chair: Anna Squicciarini</i>		1:30 – 2:30
	<i>Collecting, Analyzing and Responding to Enterprise Scale DNS Events</i>	William Horne (HP Labs)	
	<i>Coffee Break</i>		2:30 – 3:00
Session 4	<i>Novel Techniques for Data Security</i> <i>Session Chair: Adam J. Lee</i>		3:00 – 5:00

coda029	CoinParty: Secure Multi-Party Mixing of Bitcoins	Jan Henrik Ziegeldorf (RWTH Aachen University); Fred Grossmann (RWTH Aachen University); Martin Henze (RWTH Aachen University); Nicolas Inden (RWTH Aachen University); Klaus Wehrle (RWTH Aachen University)	
coda021	The BORG: Nanoprobing Binaries for Buffer Overreads	Matthias Neugschwandtner (Vienna University of Technology, SBA Research); Paolo Milani Comparetti (Lastline Inc.); Istvan Haller (VU University Amsterdam); Herbert Bos (VU University Amsterdam)	
coda048	How Your Phone Camera Can Be Used to Stealthily Spy on You: Transplantation Attacks against Android Camera Service	Zhongwen Zhang (Institute of Information Engineering, CAS); Peng Liu (Pennsylvania State University); Ji Xiang (Institute of Information Engineering, CAS); Jiwu Jing (Institute of Information Engineering, CAS); Linguang Lei (Institute of Information Engineering, CAS)	
coda090	On the Character of Phishing URLs: Accurate and Robust Statistical Learning Classifiers	Keith Dyer (University of Houston); Rakesh Verma (University of Houston)	
Session 5	Poster session Session Chair: Adam J. Lee		6:00 – 8:00
coda301	Content Level Access Control for OpenStack Swift Storage	Prosunjit Biswas (Univ. of Texas at San Antonio); Farhan Patwa (Univ. of Texas at San Antonio); Ravi Sandhu (Univ. of Texas at San Antonio)	
coda302	Pleco and Plectron -- Two Provably Secure Password Hashing Algorithms	Bo Zhu (University of Waterloo); Xinxin Fan (University of Waterloo); Guang Gong (University of Waterloo)	
coda303	Secure Information and Resource Sharing in Cloud	Yun Zhang (UTSA); Prosunjit Biswas (UTSA); Ram Krishnan (UTSA); Ravi Sandhu (UTSA)	
coda304	One Thing Leads to Another: Credential Based Privilege Escalation	Chris Kanich (University of Illinois at Chicago); Peter Snyder (University of Illinois at Chicago)	
coda305	Toward de-anonymizing Bitcoin by mapping users location	Jules Dupont (Pennsylvania State University); Anna Squicciarini (Pennsylvania State University)	
coda306	Epidemic Behavior of Negative Users in Online Social Sites	Cong Liao (Penn State University); Anna Squicciarini (Penn State University); Christopher Griffin (Penn State University)	
coda307	Rapid Screening of Transformed Data Leaks with Efficient Algorithms and Parallel Computing	Xiaokui Shu (Virginia Tech); Jing Zhang (Virginia Tech); Danfeng Yao (Virginia Tech); Wu-Chun Feng (Virginia Tech)	
coda308	Information Sharing and User Privacy in the Third-party Identity Management Landscape	Anna Vapen, Niklas Carlsson, Anirban Mahanti and Nahid Shahmehri	
coda309	Practical Exploit Generation for Intent Message Vulnerabilities in Android	Daniele Galligani, Rigel Gjomemo, (University of Illinois at Chicago) V.N. Venkatakrisnan (University of Illinois at Chicago) and Stefano Zanero (Politecnico di Milano)	
coda310	A Network Security Game Model	Vivek Shandilya (University of Memphis) and Sajjan Shiva (University of Memphis)	
coda311	CryptStream: Cryptographic Access Controls for Streaming Data	Cory Thoma (University of Pittsburgh); Adam J. Lee (University of Pittsburgh); Alexandros Labrinidis (University of Pittsburgh)	
coda312	ABSS: an Attribute-based Sanitizable Signature for Integrity of Outsourced Database with Public Cloud		

Day 2

	Breakfast		7:30 – 8:30
Session 6	Cloud and BigData Security Session Chair: Elisa Bertino		8:30 – 10:00
coda068	BigGate: Access Control Framework for Outsourced Key-Value stores	Erman Pattuk (The University of Texas at Dallas); Murat Kantarcioglu (The University of Texas at Dallas); Huseyin Ulusoy (The University of Texas at Dallas)	
coda079	Virtual Resource Orchestration Constraints in Cloud Infrastructure as a Service	Khalid Bijon (University of Texas at San Antonio); Ram Krishnan (University of Texas at San Antonio); Ravi Sandhu (University of Texas at San Antonio)	
coda058	Privacy-Preserving Scanning of Big Content for Sensitive Data Exposure with MapReduce	Fang Liu (Virginia Tech); Xiaokui Shu (Virginia Tech); Danfeng Yao (Virginia Tech); Ali R. Butt (Virginia Tech)	
	Coffee Break		10:00 – 10:30
Session 7	Software Security Session Chair: Murat Kantarcioglu		10:30 – 12:00
coda067	Identifying and Understanding Self-Checksumming Defenses in Software	Jing Qiu (Harbin Institute of Technology); Babak Yadegari (The University of Arizona); Brian Johannesmeyer (The University of Arizona); Saumya Debray (The University of Arizona); Xiaohong Su (Harbin Institute of Technology)	
coda049	Robust Fingerprinting for Relocatable Code	Irfan Ahmed (University of New Orleans); Vassil Roussev (University of New Orleans); Aisha Ali Gombe (University of New Orleans)	
coda023	Software-Based Protection against Changeware	Sebastian Banescu (Technische Universität München); Alexander Pretschner (Technische Universität München); Dominic Battre (Google); Stefano Cazzulani (Google); Robert Shield (Google); Greg Thompson (Google)	
	Lunch		12:00 – 1:30
Session 8	Keynote Address 2 Session Chair: Ravi Sandhu		1:30 – 2:30
	Aligning Security and Business Objectives for Process-Aware Information Systems	Günter Karjoth	
	Coffee Break		2:30 – 3:00
Session 9	Short Papers 1 Session Chair: Bruno Crispo		3:00 – 4:20
codapy50	A Dynamic Approach to Detect Anomalous Queries on Relational Databases	Mohammad Islam (The University of Texas at Dallas); Mehmet Kuzu (The University of Texas at Dallas); Murat Kantarcioglu (The University of Texas at Dallas)	

codapy20	Password Meters and Generators on the Web: From Large-Scale Empirical Study to Getting It Right	Steven Van Acker (Katholieke Universiteit Leuven); Daniel Hausknecht (Chalmers Univ. of Technology); Wouter Joosen (Katholieke Universiteit Leuven); Andrei Sabelfeld (Chalmers Univ. of Technology)	
codapy73	Database Fragmentation with Confidentiality Constraints: A Graph Search Approach	Xiaofeng Xu (Emory University); Li Xiong (Emory University); Jinfei Liu (Emory University)	
codapy01	Distributed Search over Encrypted Big Data	Mehmet Kuzu (University of Texas at Dallas); Mohammad Saiful Islam (University of Texas at Dallas); Murat Kantarcioglu (University of Texas at Dallas)	
	<i>Coffee Break</i>		4:20 – 4:40
Session 10	Panel Session Session Chair: Bhavani Thuraisingham		4:40 – 5:40
	Big Data Security and Privacy		
	<i>Dinner Banquet</i>		6:00 – 8:00
Day 3			
	<i>Breakfast</i>		7:30 – 8:30
Session 11	Short Papers 2 Session Chair: Ram Krishnan		8:30 – 9:50
codapy75	Towards Server-side Repair for Erasure Coding-based Distributed Storage Systems	Bo Chen (Stony Brook University); Anil Kumar Ammula (New Jersey Institute of Technology); Reza Curtmola (New Jersey Institute of Technology)	
codapy14	Combining ORAM with PIR to Minimize Bandwidth Costs	Jonathan Dautrich (Google, Inc.); Chinya Ravishankar (Univ. of California, Riverside)	
codapy46	Can't you hear me knocking: Identification of user actions on Android apps via traffic analysis	Mauro Conti (University of Padua); Luigi Mancini (Universita di Roma La Sapienza); Riccardo Spolaor (university of Padua); Nino Vincenzo Verde (Università di Roma Tre)	
codapy78	Securing ARP from the Ground Up	Jing (Dave) Tian (Univ. of Florida); Kevin R. B. Butler (Univ. of Florida); Patrick D. McDaniel (Pennsylvania State Univ.); Padma Krishnaswamy (FCC)	
	<i>Coffee Break</i>		9:50 – 10:20
Session 12	Privacy Preserving Techniques Session Chair: Li Xiong		10:20 – 11:50
coda016	Tunably-Oblivious Memory: Generalizing ORAM to Enable Privacy-Efficiency Tradeoffs	Jonathan Dautrich (Google, Inc.); Chinya Ravishankar (Univ. of California, Riverside)	
coda059	HideM: Protecting the Contents of Userspace Memory in the Face of Disclosure Vulnerabilities	Jason Gionta (North Carolina State University); William Enck (North Carolina State University); Peng Ning (NC State University)	

coda080	The Limits of the Trade-Off Between Query-Anonymity and Communication-Cost in Wireless Sensor Networks	Kadhim Hayawi (The University of Waterloo); Alireza Mortezaei (The University of Waterloo); Mahesh Tripunitara (The University of Waterloo)	
	Closing		12:00