CODASPY'14 – Program

Session	Title	Authors	Time
	Day 1		
	Breakfast		*7:30 - 8:20*
	Welcome from General Chair and Program Chair		*8:20 – 8:30*
Session 1	*Access Control for Applications* *Session Chair: Ram Krishnan (UTSA)*		*8:30 – 10:00*
	On the Suitability of Dissemination-centric Access Control Systems for Group-centric Sharing	William C. Garrison III; Yechen Qiao; Adam J. Lee (University of Pittsburgh)	
	Streamforce: Outsourcing Access Control Enforcement for Stream Data to the Clouds	Dinh Tien Tuan Anh; Anwitaman Datta (Nanyang Technological University)	
	Compac: Enforce Component-Level Access Control in Android	Yifei Wang; Srinivas Hariharan; Chenxi Zhao; Jiaming Liu; Wenliang Du (Syracuse University)	
	Coffee Break		*10:00 – 10:30*
Session 2	*Web Security* *Session Chair: Anna Squicciarini (Penn State U)*		*10:30 – 12:00*
	KameleonFuzz: Evolutionary Fuzzing for Black-Box XSS Detection	Fabien Duchène (LIG - Grenoble INP - Ensimag); Sanjay Rawat; Jean-Luc Richier; Roland Groz (Université de Grenoble, LIG lab)	
	Automated Black-box Detection of Access Control Vulnerabilities in Web Applications	Xiaowei Li; Xujie Si; Yuan Xue (Vanderbilt University)	
	PhishSafe: Leveraging Modern JavaScript API's for Transparent and Robust Protection	Bastian Braun (University of Passau); Martin Johns (SAP Research); Johannes Koestler; Joachim Posegga (University of Passau)	
	Lunch		*12:00 – 1:30*
Session 3	*Keynote Address* *Session Chair: Elisa Bertino (Purdue U)*		*1:30 – 2:30*
	Virtualization and Security: Happily Ever After?	Dongyan Xu (Purdue University)	
	Coffee Break		*2:30 – 3:00*
Session 4	*Novel Techniques for Application Security* *Session Chair: Barbara Carminati (U of insubria)*		*3:00 – 5:00*
	On Protection in Federated Social Computing Systems	Ebrahim Tarameshloo; Philip W. L. Fong; Payman Mohassel (University of Calgary)	
	COMPARS: Toward An Empirical Approach for Comparing the Resilience of Reputation Systems	Euijin Choo; Jianchun Jiang; Ting Yu (North Carolina State University)	
	RiskMon: Continuous and Automated Risk Assessment for Mobile Applications	Yiming Jing; Gail-Joon Ahn; Ziming Zhao (Arizona State U); Hongxin Hu (Delaware State U)	

	Situational Awareness through Reasoning on Network Incidents	Anna Squicciarini; Giuseppe Petracca (The Pennsylvania State University); Bill Horne (Hewlett Packard); Aurnob Nath (The Pennsylvania State University)	
Session 5	*Poster session* *Session Chair: Gabriel Ghinita (UMB)*		*6:00 – 8:00*
	Measuring the Robustness of Source Program Obfuscation	Sandrine Blazy (IRISA - Université Rennes 1); Stephanie Riaud (DGA-MI and INRIA)	
	Interaction Provenance Model for Unified Authentication Factors in Service Oriented Computing	Ragib Hasan; Rasib Khan (University of Alabama at Birmingham)	
	Detecting Man-in-the-Middle Attacks on Non-Mobile Systems	Visa Vallivaara; Mirko Sailio; Kimmo Halunen (VTT, Finland)	
	A Modular Multi-Location Anonymized Traffic Monitoring Tool for a WiFi Network	Justin Hummel; Andrew McDonald; Vatsal Shah; Riju Singh; Bradford D. Boyle; Tingshan Huang; Nagarajan Kandasamy; Harish Sethu; Steven Weber (Department of Electrical Engineering and Computer Engineering, Drexel University)	
	Consistency Checking in Access Control	Anja Remshagen; Li Yang (University of West Georgia)	
	A Pairing-free Certificateless Hybrid Sign- Cryption Scheme for Advanced MeteringInfrastructures	Seung-Hyun Seo; Jongho Won; Elisa Bertino (Purdue University)	
	Spoilt for Choice: Graph-based Assessment of Key Management Protocols to Share Encrypted Data	Holger Kuehner; Hannes Hartenstein (Karlsruhe Institute of Technology (KIT))	
	Trust Ranking of Medical Websites	Lila Ghemri; Haruna Kibirige (Texas Southern University)	
	A Cloud Architecture for Protecting Guest's Information from Malicious Operators with Memory Management	Koki Murakami; Tsuyoshi Yamada; Rie Yamaguchi; Masahiro Goshima; Shuichi Sakai (The University of Tokyo)	
	Privacy-Preserving Publication of Provenance Workflows	Mihai Maruseac (University of Massachusetts Boston); Gabriel Ghinita (University of Massachusetts Boston); Razvan Rughinis (Politehnica University, Bucharest)	
	Large-Scale Machine Learning-based Malware Detection	Kevin Allix; Tegawendé F. Bissyandé (University of Luxembourg); Quentin Jerome (SnT); Jacques Klein; Radu State; Yves Le Traon (University of Luxembourg)	
	Securing OAuth Implementations In Smart Phones	Mohamed Shehab; Fadi Mohsen (University of North Carolina at Charlotte)	
	Minimizing Lifetime of Sensitive Data in Concurrent Programs	Kalpana Gondi; A. Prasad Sistla; Venkat Venkatakrishnan (University of Illinois at Chicago)	
	Day 2		
	Breakfast		*7:30 – 8:30*
Session 6	*Mobile security* *Session Chair: Debin Gao (Singapore Management U)*		*8:30 – 10:00*
	Systematic Audit of Third-Party Android Phones	Michael Mitchell; Guanyu Tian; Zhi Wang (Florida State University)	
	PREC: Practical Root Exploit Containment for Android Devices	Tsung-Hsuan Ho; Daniel Dean; Xiaohui Gu; William Enck (North Carolina State University)	

	DIVILAR: Diversifying Intermediate Language for Anti-Repackaging on Android Platform	Wu Zhou (North Carolina State University); Zhi Wang (Florida State University); Yajin Zhou; Xuxian Jiang (North Carolina State University)	
	Coffee Break		*10:00 – 10:30*
Session 7	*Novel Techniques for Data Security* *Session Chair: Adam J. Lee (U of Pittsburgh)*		*10:30 – 12:00*
	On Quantitative Dynamic Data Flow Tracking	Enrico Lovat; Johan Oudinet; Alexander Pretschner (Technische Universitaet Muenchen)	
	Security of Graph Data: Hashing Schemes and Definitions	Muhammad U. Arshad (Purdue University); Ashish Kundu (IBM T. J. Watson); Elisa Bertino; Krishna Madhavan; Arif Ghafoor (Purdue University)	
	Inference Attack against Encrypted Range Queries on Outsourced Databases	Mohammad Islam; Mehmet Kuzu; Murat Kantarcioglu (The University of Texas at Dallas)	
	Lunch		*12:00 – 1:15*
Session 8	*Keynote Address 2* *Session Chair: Ravi Sandhu (UTSA)*		*1:15 – 2:15*
	Shared Responsibility is Better than No Responsibility	Jarret Raim (Rackspace)	
	Coffee Break		*2:15 – 2:40*
Session 9	*Short papers 1* *Session Chair: Mohamed Shehab (UNCC)*		*2:40 – 4:00*
	Efficient Privacy-Aware Search Over Encrypted Databases	Mehmet Kuzu; Mohammad Saiful Islam; Murat Kantarcioglu (The University of Texas at Dallas)	
	DroidBarrier: Know What is Executing on Your Android	Hussain Almohri (Kuwait University); Danfeng Yao; Dennis Kafura (Virginia Tech)	
	RopSteg: Program Steganography with Return Oriented Programming	Kangjie Lu (Georgia Tech); Siyang Xiong; Debin Gao (Singapore Management University)	
	SobTrA: A Software-based Trust Anchor for ARM Cortex Application Processors	Julian Horsch; Sascha Wessel; Frederic Stumpf; Claudia Eckert (Fraunhofer AISEC)	
	Coffee Break		*4:00 – 4:30*
Session 10	*Panel session* *Session Chair: Jaideep Vaidya (Rutgers U)*		*4:30 – 5:30*
	Security and Privacy in the networked world	Elisa Bertino (Purdue), Ashish Kundu (IBM T. J. Watson), Ravi Sandhu (UTSA), Ting Yu (QCRI)	
	Dinner Banquet		*6:00 – 8:00*
	Day 3		
	Breakfast		*7:30 – 8:30*
Session 11	*Short papers 2* *Session Chair: Gabriel Ghinita (UMB)*		*8:30 – 10:10*

	TrustID: Trustworthy Identities for Untrusted Mobile Devices	Julian Horsch; Konstantin Böttinger; Michael Weiß; Sascha Wessel; Frederic Stumpf (Fraunhofer AISEC)	
	Keystroke Biometrics: the User Perspective	Chee Meng Tey (DSO National Lab); Payas Gupta (New York University); Kartik Muralidharan; Debin Gao (Singapore Management University)	
	Relationship-based Information Sharing in Cloud-based Decentralized Social Networks	Davide Alberto Albertini; Barbara Carminati (university of insubria)	
	WebWinnow: Leveraging Exploit Kit Workflows to Detect Malicious URLs	Birhanu Eshete (Fondazione Bruno Kessler); Venkat Venkatakrishnan (University of Illinois at Chicago)	
	Privacy-Preserving Audit for Broker-Based Health Information Exchange	Se Eun Oh; Ji Young Chun (University of Illinois at Urbana-Champaign); Limin Jia (Carnegie Mellon University); Deepak Garg (Max Planck Institute for Software Systems); Carl Gunter (University of Illinois at Urbana-Champaign); Anupam Datta (Carnegie Mellon University)	
	Coffee Break		*10:10 – 10:40*
Session 12	*Privacy Preserving Techniques* *Session Chair: Murat Kantarcioglu (UT Dallas)*		*10:40 – 12:10*
	An Efficient Privacy-Preserving System for Monitoring Mobile Users: Making Searchable Encryption Practical	Gabriel Ghinita (University of Massachusetts, Boston); Razvan Rughinis (University Politehnica of Bucharest)	
	Is It Really You? User Identification Via Adaptive Behavior Fingerprinting	Paul Giura; Ilona Murynets; Roger Piqueras Jover; Yevgeniy Vahlis (AT&T Security Research Center)	
	Wiretap-proof: What They Hear is Not What You Speak, and What You Speak They Do Not Hear	Hemant Sengar (VoDaSec); Haining Wang; Seyed Iranmanesh (The College of William and Mary)	
	Closing		*12:10*