

CSIIRW 2010 Program

Final 4/19/10

Wednesday

TIME	21-Apr-10	21-Apr-10	21-Apr-10
	<p>Transportation Provided from Comfort Inn to ORNL (Departing at 7:00am) Badges will be available upon arrival at the conference center. Breakfast is available all three days at the conference center starting at 7:45am</p>		
8:00-8:05	Introductory Remarks: Jesse Poore		
8:05-8:50	Plenary Speaker: Susan Alexander		
8:50-9:30	Plenary Speaker: Hart Rossman		
9:30-9:45	Break		
	ROOM A	ROOM B	ROOM C
	Design	Malware	Network
	Chair: Poore	Chair: Prowell	Chair: Shue
9:45-10:15	John McHugh, Teryl Taylor and Jeff Janies Cuckoo Bags for Exploring Multikey Data	Arpan Roy, Dong-Seong Kim and Kishor Trivedi Cyber Security Analysis using Attack Countermeasure Trees	Axel Krings and Stephan Muehlbacher-Karrer Neighborhood Monitoring in Ad Hoc Networks
10:15-10:45	Michael Kirkpatrick, Elisa Bertino and Sam Kerr PUF ROKs: Generating Read-Once Keys from Physically Unclonable Functions	Andy Wang and Minzhe Guo Vulnerability Categorization Using Bayesian Networks	Swetha Dasireddy, Wade Gasior, Yang Li and Xiaohui Cui Alerts Visualization and Clustering in Network-based Intrusion Detection
10:45-11:15	Riham Hassan, Shawn Bohner and Mohamed Eltoweissy Towards Safe and Productive Development of Secure Software: FADES and Model-Based Software Engineering	Timothy Daly and Luanne Burns Concordia: A Google for Malware	Joseph McDaniel and Ambareen Siraj TOWARDS A SECURE FREQUENCY MONITORING NETWORK (FNET) SYSTEM
11:15-12:15	Lunch		
12:15-1:00	Plenary Speaker: Sean McGurk		
1:00-1:45	Plenary Speaker: Nabil Adam		
1:45-2:00	Break		
	ROOM A	ROOM B	ROOM C
	Design	Privacy and Metrics	Network
	Chair: Krings	Chair: Bertino	Chair: Dasgupta
2:00-2:30	Adam Hahn and Manimaran Govindarasu Implementation of the PowerCyber SCADA Cyber Security Testbed	Anis Ben Aissa, Frederick Sheldon, Robert Abercrombie and Ali Mili Modeling Stakeholder / Value Dependency	Ramy Eltarras, Mohamed Eltoweissy, Stephan Olariu and Ing-Ray Chen Towards Trustworthy Shared Sensor-Actuator Networks
2:30-3:00	Kevin Fairbanks, Christopher Lee and Henry Owen Forensic Implications of Ext4	Claire Vishik, Timothy Casey and Patrick Koeberl Threat Agents: a Necessary Component of Threat Analysis	John Hosey and Rose Gamble Extracting Security Control Requirements
3:00-3:30	Hamed Okhravi and Frederick Sheldon Data Diodes in Support of Trustworthy Cyber Infrastructure	Richard Brooks Orwell Was an Optimist	Younghee Park and Douglas S. Reeves Fast Malware Classification by Automated Behavioral Graph Matching
3:30-3:45	Break		
3:45-4:30	Plenary Speaker: Jim Stikeleather		
4:30-5:30	<p>Poster Session</p> <p>Supercomputing Center Tour (4:30-5:30)</p> <p>Transportation Provided to Comfort Inn from ORNL (Departing 4:30 and Returning 5:45)</p>		
6:00-8:00	<p>Reception / Banquet</p> <p>Plenary Speaker: Garet Moravec</p>		

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TIME	22-Apr-10	22-Apr-10	22-Apr-10
	<p>Transportation Provided from Comfort Inn to ORNL (Departing at 7:30am) Badges will be available upon arrival at the conference center. Breakfast is available all three days at the conference center starting at 7:45am</p>		
8:00-8:05	Introductory Remarks: Joe Trien		
8:05-8:50	Plenary Speaker: David Nicol		
8:50-9:30	Plenary Speaker: James Whittaker		
9:30-9:45	Break		
	ROOM A	ROOM B	ROOM C
	Enterprise	Malware	Network
	Chair: Krings	Chair: Paul	Chair: Lagesse
9:45-10:15	Anoop Singhal and Duminda Wijesekera Ontologies for Modeling Enterprise Level Security Metrics	Stan Bowie, Brenda Lenard and Craig Shue Towards an Empirical Measure for Assessing Public Attitudes Regarding Government Cybercrime Countermeasures	Clive Blackwell A Security Ontology for Incident Analysis
10:15-10:45	Richard Brooks Lies and the Lying Liars that Tell Them: A fair and balance look at TLS	Justin Myers, Michael Grimaila and Robert Mills Adding Value to Log Event Correlation Using Distributed Techniques	Kenton Born and David Gustafson NgViz: Detecting DNS Tunnels through N-Gram Visualization and Quantitative Analysis
10:45-11:15	Benjamin Gittins Overview of SLL's proposal in response to NIST's call for new global IdM/CKM designs without Public Keys	Varun Chandola A Reference Based Analysis Framework for Analyzing System Call Traces	Seong-Moo Yoo Propagation Modeling and Analysis of Network Work Attack
11:15-12:15	Lunch		
12:15-1:30	<p>CIO / CTO Panel Panel Moderator: Melissa Hathaway</p>		
1:30-1:45	Break		
	ROOM A	ROOM B	ROOM C
	Enterprise	Survivability	Network
	Chair: Bertino	Chair: Brooks	Chair: Abercrombie
1:45-2:15	Thomas Overman, Ronald Sackman and Terry Davis High Assurance Smart Grid - Architecture for Cyber Security and Reliability	Karthikeyan Manivannan, Christian Wimmer and Michael Franz Decentralized Information Flow Control on a Bare-Metal JVM	Uta Ziegler, Youssef Al-Nashif and Salim Hariri Plug & Execute Framework for Network Traffic Generation
2:15-2:45	Mahadevan Gomathisankaran, Gayatri Mehta and Kamesh Namuduri Power, Performance and Security optimized Hardware Design for H.264	Jack Harris and Raquel Hill Building a Trusted Image for Embedded Communication Systems	Livio Ricciulli A Service Model for Network Security Applications
2:45-3:15	Robert Baird and Rose Gamble Reasoning about Policy Noncompliance	Christopher Oehmen, Scott Dowson and Elena Peterson An Organic Model for Detecting Cyber-Events	Rajeshwar Katipally, Wade Gasior, Xiaohui cui and yang li Multi stage attack Detection system for Network Administrators using Data Mining
3:15-3:30	Break		
3:30-4:15	Plenary Speaker: Scott Augenbaum		
4:15-5:00	Plenary Speaker: Tom Longstaff		
5:00-5:30	Poster Session		
	<p>Transportation Provided to Comfort Inn from ORNL (Departing 5:30)</p>		
6:00-8:00	Workshop Dinner (non-sponsored) at Flat Water Grill		

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	<p>Transportation Provided from Comfort Inn to ORNL (Departing at 7:30am) Badges will be available upon arrival at the conference center. Breakfast is available all three days at the conference center starting at 7:45am</p>		
8:00-8:05	Introductory Remarks: Joe Trien		
8:05-8:50	Plenary Speaker: Melissa Hathaway		
8:50-9:30	Plenary Speaker: Rich Pethia		
9:30-9:45	Break		
	ROOM A	ROOM B	ROOM C
	Design	Malware	Network
	Chair: Trien	Chair: Prowell	Chair: Shue
9:45-10:15	John Munson, Jack Meador and Rick Hoover Software Process Control for Secure Program Execution	Sajjan Shiva, Sankardas Roy and Dipankar Dasgupta Game Theory for Cyber Security	Stephen Groat, Matthew Dunlop, Randy Marchany and Joseph Tront The Privacy Implications of Stateless IPv6 Addressing
10:15-10:45	Dana Zhang, Kotagiri Ramamohanarao, Steven Versteeg and Rui Zhang Graph Based Strategies to Role Engineering	Zhanshan (Sam) Ma, Frederick Sheldon and Axel Krings The Handicap Principle, Strategic Information Warfare and the Paradox of Asymmetry	Owen Mccusker, Benjamin Gittins, Joel Glanfield, Scott Brunza and Dr. Stephen Brooks The Need to Consider Both Object Identity and Behavior in Establishing the Trustworthiness of Network Devices within a Smart Grid
10:45-11:15	James Parham, J. Todd McDonald, Michael Grimaila and Yong Kim A Java Based Component Identification Tool for Measuring the Strength of Circuit Protections	Rick Linger, Mark Plezko and Kirk Sayre Computing the Behavior of Malware	Wonjun Lee, Anna Squicciarini and Elisa Bertino Vulnerabilities Leading to Denial of Services Attacks in Grid Computing Systems: a Survey
11:15-12:15	Lunch		
12:15-1:00	Plenary Speaker: Dawn Cappelli		
1:00-1:45	Plenary Speaker: Ty Znati		
1:45-2:00	Break		
	ROOM A	ROOM B	ROOM C
	Formal Methods	Malware	Trust
	Chair: Ferragut	Chair: Prowell	Chair: Lagesse
2:00-2:30	John McDermott Using Formal Methods for Security in the Xenon Project	Srinivasa Anuradha Bulusu, Itamar Arel, Benjamin Arazi, Andrew Davis and George Bitar A Data Security Protocol for the Trusted Truck® System	Said Marouf and Mohamed Shehab A Learning-Based Approach for SELinux Policy Optimization with Type Mining
2:30-3:00	Daniel Quinlan and Cory Cohen Discovery of C++ Data Structures From Binaries	Todd Jackson, Christian Wimmer and Michael Franz Multi-Variant Program Execution for Vulnerability Detection and Analysis	Matthew Wright, Apu Kapadia, Mohan Kumar and Apurv Dhadphale ReDS: Reputation for Directory Services in P2P Systems
3:00-3:30	Josef Allen, Xiuwen Liu, Liam Mayron and Washington Mio On Generalization Performance of Classifiers for Steganalysis	Yang Zhang, Taolun Chai and Chih-Cheng Hung Local Binary Patterns for Face Recognition under Varying Variations	Brent Lagesse, Mohan Kumar, Mihai Lazarescu and Svettha Venkatesh Augmenting Trust Mechanisms with Social Networks
3:30-3:45	Break		
3:45-4:30	Plenary Speaker: Michael Grimaila		
4:30-4:45	<p>Concluding Remarks: Joe Trien</p> <p>Transportation Provided from ORNL to Comfort Inn (Departing at 4:45)</p>		

Alternate:

Andrew J. Kornecki and Janusz Zalewski
Safety vs. Security in Industrial Control