

MONDAY,  
APRIL 29

PROGRAM  
AGENDA

TIME	TITLE	SPEAKER	PAGE
0800 - 1630	<b>REGISTRATION</b>		
0900 - 1000	<b>KEYNOTE PRESENTATION</b> Securing Smart Contracts: What Works When Code is Money	<i>Dan Guido</i> ( <i>Trail of Bits</i> )	13
1000 - 1030	Semantics-Driven Testing of the PKCS11	<i>Mike Dodds &amp; Matt Bauer</i> ( <i>Galois, Inc.</i> )	14
1030 - 1100	<b>BREAK</b>		
1100 - 1130	Semi-automated Test Case Generation for ACAS X Implementation Validation	<i>Daniel Genin</i> ( <i>JHU APL</i> )	16
1130 - 1200	Model-Based Grey-Box Fuzzing	<i>David Greve</i> ( <i>Collins Aerospace</i> )	18
1200 - 1330	<b>LUNCH (ON YOUR OWN)</b>		
1330 - 1415	<b>INVITED TALK</b> Fuzzing @ Microsoft - A Research Perspective	<i>Patrice Godefroid</i> ( <i>Microsoft Research</i> )	19
1415 - 1445	Combining Property-based Testing and Fuzzing	<i>Benjamin Pierce</i> ( <i>University of Maryland</i> )	20
1445 - 1530	<b>POSTER SESSION AND BREAK</b>		53
1530 - 1600	CherryPie: A Program Analysis to Assist the Detection of Logic Bombs	<i>J. Aaron Pendergrass</i> ( <i>JHU APL</i> )	23
1600 - 1630	Understanding Security Mistakes Developers Make: Qualitative Analysis from Build It, Break It, Fix It	<i>Daniel Votipka</i> ( <i>University of Maryland</i> )	25
1630	<b>ADJOURN FOR THE DAY</b>		

# PROGRAM AGENDA

# TUESDAY, APRIL 30

TIME	TITLE	SPEAKER	PAGE
0800 - 1630	<b>REGISTRATION</b>		
0900 - 1000	<b>KEYNOTE PRESENTATION</b> End-to-End Correctness Theorems Spanning Software and Hardware	<i>Magnus Myreen</i> (Chalmers University of Technology)	28
1000 - 1030	Galois Does Secure Hardware	<i>Joseph Kiniry</i> (Galois, Inc.)	30
1030 - 1100	<b>BREAK</b>		
1100 - 1130	Hardware/Software Coassurance Using Algorithmic C and ACL2	<i>David Hardin</i> (Collins Aerospace)	32
1130 - 1200	Understanding Attestation: Analyzing Protocols that Use Quotes	<i>Joshua Guttman</i> (The MITRE Corporation)	34
1200 - 1330	<b>LUNCH (ON YOUR OWN)</b>		
1330 - 1415	<b>INVITED TALK</b> Certification of Formal Methods in Aerospace Applications	<i>Michael Durling</i> (GE Global Research)	35
1415 - 1445	The Industrial Age of Hacking	<i>Jared Ziegler and Tim Nosco</i> (National Security Agency)	37
1445 - 1530	<b>POSTER SESSION AND BREAK</b>		53
1530 - 1600	Security Policy and Resiliency Tools and ANalysis (SPARTAN)	<i>Lindsay Holden</i> (Systems & Technology Research)	38
1600 - 1630	Cyber-Resilient Architectural Patterns	<i>Darren Cofer</i> (Collins Aerospace)	40
1630	<b>ADJOURN FOR THE DAY</b>		
1830	<b>CONFERENCE DINNER</b>   Chart House 300 Second Street   Annapolis, Maryland 21403		66

WEDNESDAY,  
MAY 1

PROGRAM  
AGENDA

TIME	TITLE	SPEAKER	PAGE
0800 - 1500	<b>REGISTRATION</b>		
0900 - 1000	<b>KEYNOTE PRESENTATION</b> Automated Rapid Certification of Software	<i>Ray Richards</i> ( <i>DARPA</i> )	42
1000 - 1030	Automating Avionics Certification Activities Using Formal Methods	<i>Lucas Wagner</i> ( <i>Collins Aerospace</i> )	44
1030 - 1100	<b>BREAK</b>		
1100 - 1130	Tiros: Reachability Analysis for AWS-based Networks Using Automated Theorem Proving	<i>John Backes</i> ( <i>Amazon Web Services</i> )	45
1130 - 1200	Semantic Analysis of AWS Access Control	<i>Andrew Gacek</i> ( <i>Amazon Web Services</i> )	47
1200 - 1330	<b>LUNCH (ON YOUR OWN)</b>		
1330 - 1400	Deriving Formal Specifications from Natural Language Requirements Using ARSENAL2	<i>Natarajan Shankar</i> ( <i>SRI International</i> )	49
1400 - 1430	Checked C: Safe C, Incrementally	<i>Michael Hicks</i> ( <i>University of Maryland</i> )	50
1430	<b>CONFERENCE ADJOURNED</b>		