HotSoS 2018 Program

Submitted by Katie Dey on Thu, 02/15/2018 - 12:50pm

PROGRAM AGENDA

MONDAY, APRIL 9

1830 - 2030 Evening Reception at The StateView Hotel

TUESDAY, APRIL 10

0730 - 1700 Registration

SESSION 1

0830 - 0900 Welcome and Introduction
Symposium Co-Chairs: Laurie Williams and Munindar Singh

Opening Remarks
George Coker, National Security Agency

0900 - 1000 Keynote: Steve Lipner, Executive Director, SAFECode
Foundational Cybersecurity Research: Report of a Study by NASEM

1000 - 1045 BREAK and POSTER SESSION

SESSION 2

Paper Track: Vulnerabilities and Detection Tutorial/Industry Track (Synergy B)
(Fusion C/D)

1045 - 1110 Pooria Madani and Natalija Vlajic
University of York
Robustness of Deep Autoencoder in Intrusion Detection under Adversarial Contamination

Dimitris Simos and *Rick Kuhn
SBA Research, *NIST
Tutorial: Combinatorial Security Testing Course
Understanding the Challenges to Adoption of the Microsoft Elevation of Privilege Game


Lunch Presentation:
Building a Virtually Air-gapped Secure Environment in AWS

Keynote: Ari Schwartz, Venable LLP
You?ve Got a Vuln, I?ve Got a Vuln, Everybody?s Got a Vuln

Panel: Cybersecurity Framework Practitioners
Moderator: Nikola Vouk, Independent
Jeremy Maxwell, Allscripts
Andrew Porter, Merck
Alex Rogozhin, BB&T
Greg Witte, G2

BREAK and POSTER SESSION
1600 - 1625 Yao Dong, Ana Milanova and *Julian Dolby
Rensselaer Polytechnic Institute, *IBM
SecureMR: Secure MapReduce Computation Using Homomorphic Encryption and Program Partitioning

1625 - 1650 Bradley Potteiger, Zhenkai Zhang and Xenofon Koutsoukos
Vanderbilt University
Integrated Instruction Set Randomization and Control Reconfiguration for Securing Cyber-Physical Systems

1650 - 1715 Iness Ben Guirat and *Harry Halpin
INSAT, *INRIA
Formal Verification of the W3C Web Authentication Protocol

SESSION 5
1715 - 1800 BREAK

1800 Shuttle bus to the North Carolina Museum of Art. Meet in the hotel lobby. (Don’t be late!)

1830 - 2100 Dinner at the North Carolina Museum of Art

WEDNESDAY, APRIL 11

0830 - 1530 Registration

SESSION 6
0900 - 1000 Keynote: David Burke, NAVAIR Cyber Warfare Detachment
Cyber Security for Aviation Weapon Systems

1000 - 1045 BREAK and POSTER SESSION
**SESSION 7**

**Paper Track: Applications and Risk Evaluation (Fusion C/D)**

1045 - 1110  
Martha McNeil, Thomas Llanso and Dallas Pearson  
Johns Hopkins University Applied Physics Laboratory  
*Application of Capability-Based Cyber Risk Assessment Methodology to a Space System*

1110 - 1135  
Daniela S. Cruzes, Martin Gilje Jaatun and Tosin Daniel Oyetoyan  
SINTEF Digital  
*Challenges and Approaches of Performing Canonical Action Research in Software Security*

1200 - 1315  
**LUNCH**

**SESSION 8**

NSA Fifth Annual Best Scientific Cybersecurity Paper Competition Winner

1315 - 1345  
Michelle Mazurek, University of Maryland  
*You Get Where You're Looking For: The Impact of Information Sources on Code Security*

1345 - 1415  
Daniel Gruss, Graz University of Technology  
*Microarchitectural Attacks: From the Basics to Arbitrary Read and Write Primitives without any Software Bugs*

1430 - 1530  
**Keynote:** Ravi Sandhu, University of Texas at San Antonio  
*An Access Control Perspective on the Science of Security*

1530  
**Announcement of Winning Paper and Winning Poster**  
Carl Landwehr and Adam Tagert

**Closing Remarks**  
Laurie Williams and Munindar Singh

**SYMPOSIUM ADJOURNED**