**HotSoS 2018 Program**

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

<table>
<thead>
<tr>
<th>PROGRAM AGENDA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MONDAY, APRIL 9</strong></td>
</tr>
<tr>
<td>1830 - 2030 Evening Reception at The StateView Hotel</td>
</tr>
<tr>
<td><strong>TUESDAY, APRIL 10</strong></td>
</tr>
<tr>
<td>0730 - 1700 Registration</td>
</tr>
<tr>
<td><strong>SESSION 1</strong></td>
</tr>
<tr>
<td>0830 - 0900 <strong>Welcome and Introduction</strong></td>
</tr>
<tr>
<td>Welcome and Introduction</td>
</tr>
<tr>
<td>Symposium Co-Chairs: Laurie Williams and Munindar Singh</td>
</tr>
<tr>
<td>Opening Remarks</td>
</tr>
<tr>
<td>George Coker, National Security Agency</td>
</tr>
<tr>
<td>0900 - 1000 <strong>Keynote:</strong> Steve Lipner, Executive Director, SAFECODE</td>
</tr>
<tr>
<td>Foundational Cybersecurity Research: Report of a Study by NASEM</td>
</tr>
<tr>
<td>1000 - 1045 BREAK and POSTER SESSION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SESSION 2</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper Track: Vulnerabilities and Detection Tutorial/Industry Track (Synergy B) (Fusion C/D)</td>
</tr>
<tr>
<td>1045 - 1110 Pooria Madani and Natalija Vlajic University of York</td>
</tr>
<tr>
<td>Robustness of Deep Autoencoder in Intrusion Detection under Adversarial Contamination</td>
</tr>
<tr>
<td>?Dimitris Simos and *Rick Kuhn SBA Research, *NIST</td>
</tr>
<tr>
<td>Tutorial: Combinatorial Security Testing Course</td>
</tr>
</tbody>
</table>
Understanding the Challenges to Adoption of the Microsoft Elevation of Privilege Game


Building a Virtually Air-gapped Secure Environment in AWS

You?ve Got a Vuln, I?ve Got a Vuln, Everybody?s Got a Vuln

Cybersecurity Framework Practitioners
Moderator: Nikola Vouk, Independent

Secure Construction (Fusion C/D)
1600 - 1625 Yao Dong, Ana Milanova and *Julian Dolby
Rensselaer Polytechnic Institute, *IBM
SecureMR: Secure MapReduce Computation Using Homomorphic Encryption and Program Partitioning

Larry Maccherone
Comcast
DevSecOps: Security at the Speed of Software Development

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

Leslie Leonard, William Glodeck
Department of Defense
HACSAW: A Trusted Framework for Cyber Situational Awareness

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

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

1135 - 1200 Huashan Chen, *Jin-Hee Cho and Shouhuai Xu
University of Texas at San Antonio, *Army Research Lab
Quantifying the Security Effectiveness of Firewalls and DMZs

1200 - 1315 LUNCH

SESSION 8

1315 - 1345 Michelle Mazurek, University of Maryland
NSA Fifth Annual Best Scientific Cybersecurity Paper Competition Winner
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

1415 - 1430 BREAK

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