

# Science of Security Lablet Quarterly Meeting (NCSU)

Submitted by drwright on Fri, 12/19/2014 - 12:09pm

[Jan 27, 2015 12:00 pm - Jan 28, 2015 2:30 pm EST](#)

## Quarterly SoS Meeting at NC State

The Science of Security Quarterly Meeting at NC State University was held on Tuesday, January 27 and Wednesday, January 28, 2015.

The meeting was held in the Duke Energy Hall (DEH) on the 2<sup>nd</sup> floor of the James B. Hunt Jr. Library on the NC State Centennial Campus.

### Meeting Agenda

Tuesday, January 27		
12:00 - 12:30 pm	DEH Room C/D	Lunch  <b>Welcome &amp; Introductions</b> Laurie Williams (NCSU), Munindar Singh (NCSU)
12:30 - 1:00 pm	DEH Room A	<b>NSA Update-</b> <b>Stuart Krohn</b> - <a href="#">Building a Science of Security: What's New and Interesting</a> <b>Stephanie Askins-Yannacci</b> - <a href="#">Science of Security Quarterly Update</a>
1:00 - 2:00 pm	DEH Room A	<b>Keynote - Pete Loscocco</b> <a href="#">Integrity Measurement: The Way Ahead, Knowing if your Systems Have Been Altered</a>
2:00 - 2:15 pm		Break
2:15 - 4:00 pm	DEH Room B	<b>Business Managers Financial Meeting - Stephanie Yannacci</b>

2:15 - 2:45 pm	DEH Room A	<b>CMU Research Update presentation I - Hanan Hibshi</b> <a href="#">Assessment of Security Risk Perception in Composable Systems</a>
2:45 - 3:15 pm	DEH Room A	<b>Illinois Research Update presentation I - Ravi Iyer</b> <a href="#">Preemptive Intrusion Detection: Theoretical Framework and Real World Measurements</a>
3:15 - 3:45 pm	DEH Room A	<b>Maryland Research Update presentation I - Poorvi Vora</b> <a href="#">Protocols With Human Participants: Remote Voting</a>
3:45 - 4:00 pm		Break
4:00 - 4:30 pm	DEH Room B	<b>CPS-VO Presentation and Q &amp; A Session - Heather Lucas</b>
4:00 - 4:30 pm	DEH Room A	<b>NCSU Research Update presentation I - William Enck</b> <a href="#">Systematizing Isolation Techniques</a>
4:30 - 5:00 pm	DEH Room A	<b>CMU Research Update presentation II - Christian Kästner</b> <a href="#">Analyzing Highly Configurable Systems</a>
5:00 - 6:00 pm	DEH Room A	<b>Closed PI Session</b>

## Wednesday, January 28

8:00 - 9:00 am	DEH Room C/D	Breakfast
9:00 - 9:30 am	DEH Room A	<b><a href="#">Best Scientific Cybersecurity Paper Competition</a> - Stuart Krohn</b>
9:30 - 10:00 am	DEH Room A	<b>Lindsey McGowen</b> <a href="#">Customized Bibliometrics for Evaluating Computer Science Research</a>
10:00 - 10:15 am		Break
10:15 am - noon	DEH Rooms A & B	<b>Workshop, Jeff Carver</b> <b>Hard Problems: Analysis of Research Methods</b>
Noon - 1:30 pm	DEH Room C/D	Lunch
12:15 - 1:30 pm	DEH Room B	<b><a href="#">Poster Session</a></b>
1:30 - 2:00 pm	DEH Room A	<b>Illinois Research Update presentation II - Matt Caesar</b> <a href="#">Hypothesis Testing for Network Security</a>

2:00 - 2:30 pm	DEH Room A	<b>Maryland Research Update presentation II - Peixin Gao</b> <a href="#">Trust-Aware Social Recommender System Design</a>
2:30 - 3:00 pm	DEH Room A	<b>NCSU Research Update presentation II - Ehab Al-Shaer</b> On Objective Resiliency Analysis of Smart Grid Energy Management Systems
<b>Thursday, January 29</b>		
9:00 am - 3:00 pm	3300 Engineering Building II	<b>PI Annual Report work session</b>

## Travel to NCSU Centennial Campus

Centennial Campus Visitors

## Hotel Accomodations

- DoubleTree Hilton Brownstone-University
- Embassy Suites Cary
- Sheraton Raleigh Downtown

## Directions to the James B. Hunt, Jr. Library

[1070 Partners Way](#) (Google Maps link)

## Parking

Parking permits are available for purchase at the Centennial Campus Parking Booth on Varsity Drive on the NC State Centennial Campus. Permits are \$5 per day, and you can purchase a multi-day permit to cover your time at NC State. Note: only credit/debit card payments (Master Card, Visa, Discover and American Express) are accepted - no cash. The booth is attended 7:00 am - 3:30 pm.

When you purchase your permit, please be sure to tell the attendant that you are attending an event at the Hunt Library and ask for directions to the nearest available lot/deck (large special events sometimes reserve space, but the attendant will know and direct you appropriately). There are several parking decks & lots within a 5 minute (or less) walk to the Hunt Library.

The Hunt Library is near the bottom center of the map. Click on "Parking - NCSU

Deck" and "Parking - NCSU Parking Lot" to highlight parking on Centennial Campus.

## Wireless Network Information

NCSU Guest Wireless Information

### Questions

- If you have any questions about the technical portion of the meetings, please contact Laurie Williams ([williams@csc.ncsu.edu](mailto:williams@csc.ncsu.edu)) or Munindar Singh ([mpsingh@ncsu.edu](mailto:mpsingh@ncsu.edu)).
- If you have any questions regarding logistics, please contact David Wright ([david\\_wright@ncsu.edu](mailto:david_wright@ncsu.edu)).

### Posters

Presenter	Co-Authors	Poster Title	Project
<a href="#">Vaira Selvakani</a>	Rada Chirkova Nirav Ajmeri Jon Doyle Jiaming Jiang Munindar Singh	Formal Specification and Analysis of Security - Critical Norms and Policies	Formal Specification and Analysis of Security- Critical Norms and Policies
<a href="#">Alok Goel</a>		Modeling Human Behavior from Low-Level Input Analytics	Leveraging the Effects of Cognitive Function on Input Device Analytics to Improve Security
<a href="#">Manish Singh</a>	Emerson Murphy-Hill	Complexity of Policy Specifications for Software Developers	Scientific Understanding of Policy Complexity
<a href="#">Maria Riaz</a>	Laurie Williams	Reasoning about security requirements.	Formal Specification and Analysis of Security- Critical Norms and Policies

<a href="#">Olga Zielinska</a>	Allaire Welk Christopher Mayhorn Emerson Murphy-Hill	Are You a Big Phish or a Small Potato? Analyzing Mental Models of Phishing.	Warning of Phishing Attacks: Supporting Human Information Processing, Identifying Phishing Deception Indicators, and Reducing Vulnerability
<a href="#">Donghoon Kim</a>	Mladen Vouk	Securing Scientific Workflows with a Security Analytics Platform (SAP) for the Cloud	Systematization of Knowledge from Intrusion Detection Models
<a href="#">Xianqing Yu</a>	Peng Ning Mladen Vouk	Securing Hadoop in Cloud	Smart Isolation in Large-Scale Production Computing Infrastructures
<a href="#">Anoosha Vangaveeti</a>	Mladen Vouk	An assessment of security problems in open source software.	Resilience Requirements, Design, and Testing
<a href="#">Da Young Lee</a>	Mladen Vouk Laurie Williams	Using Software Reliability Models for Security Assessment	Vulnerability and Resilience Prediction Models
<a href="#">Jason King</a>		Logging Mechanism Metrics for Forensics	Attack Surface and Defense-in-Depth Metrics
<a href="#">Yufan Huang</a>	Xiaofan He Huaiyu Dai	Systematization of metrics in intrusion detection systems	Systematization of Knowledge from Intrusion Detection Models
<a href="#">Rahul Pandita</a>	Patrick Morrison	Orthogonal Vulnerability Classification	Vulnerability and Resilience Prediction Models
<a href="#">Hongying Du</a>	Bennett Narron Nirav Ajmeri Munindar P. Singh Jon Doyle Emily Berglund	Understanding Sanction under Variable Observability in a Secure, Collaborative Environment	Understanding Effects of Norms and Policies on the Robustness, Liveness, and Resilience of Systems

<a href="#">Victor Heorhiadi</a>	Mike Reiter	SNIPS: A software-defined approach for scaling intrusion prevention systems via offloading	Automated Synthesis of Resilient Architectures
<a href="#">Katie Dey</a>	Chris vanBuskirk	Science of Security Virtual Organization	
<a href="#">William Emfinger</a>	Gabor Karsai	Network Analysis Paradigm for Detecting and Mitigating Attacks from Malicious Actors	

Event Details

**Location:** NC State University

[Sync this event to your calendar](#)



[Science of Security NCSU quarterly meeting 2015 Announcement PI Meeting](#)

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