First NSF Secure and Trustworthy Cyberspace (SaTC)

Principal Investigators Meeting

November 27-29, 2012

National Harbor, Md

**Tuesday, November 27**

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| *Time**7:30 am**8:15 am* | EventBreakfastThe New Era of Science and EngineeringSubra Suresh, Director of NSF*Introduction and Session Chair: Farnam Jahanian* *Assistant Director of NSF for Computer & Information* *Science & Engineering* | LocationWoodrow Wilson Ballroom A |
| *9:15 am* | Keynote: Eric Grosse*Vice President for Security Engineering, Google**Introduction and Session Chair: Keith Marzullo, NSF* |  |
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| *10:00 am* | *Break* |  |
| *10:15 am* | Crossing the Line: Recent research results that cross disciplines*Michael Byrne, Rice: Voting Machines and Human Behavior**Fabian Monrose, UNC-CH: Understanding Encrypted Speech**Vern Paxson, ICSI: Spam Economics**Dan Boneh, Stanford: Implicitly Learned Passwords*Discussion: How do Cross-Disciplinary Efforts Get Started?*Session Chair: Jeremy Epstein, NSF* |  |
| *11:45 pm* | Plenary Address: Multi-Disciplinary Aspects of Cyber Security: *Angela Sasse, University College London**Introduction and Session Chair: Keith Marzullo, NSF* | Woodrow Wilson Ballroom A |
| *12:30 pm* | Lunch pickup and return to meeting room |  |
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| *1:15 pm* | The Federal Cybersecurity R&D Strategic Plan: What is It, What Gets Funded, and What’s the Future?*Part 1: What is it**Tomas Vagoun, NITRD and Bill Newhouse, NIST, NITRD Cyber Security and Information Assurance Interagency Working Group**Part 2: What Gets Funded**Keith Marzullo, NSF* *Brad Martin, ODNI**Steve King, OSD* *Douglas Maughan, DHS* *Part 3: What’s The Future – An Open Discussion**Session Chair: Jeremy Epstein, NSF* | Woodrow Wilson Ballroom A |
| *3:00pm* | Break |  |
| *3:30 pm* | Cross Disciplinary ConversationsPre-arranged, focused 1-1 meetings between researchers with expertise in different disciplines (see separate sheet for details and badge for assignments)*Introduction and Procedures: Sam Weber, NSF* *Technical Coordinators: Apu Kapadia, Indiana University, and Elaine Shi, University of Maryland* | Baltimore Rooms 1 - 5 |
| *5:30 pm* | Poster Room opens*Coordinator: Micah Sherr, Georgetown University* | Annapolis 1- 4 |
| *5:30 pm* | Rump / BoF sessions | Baltimore 1 - 5 |
| *7:00 pm* | Adjourn |  |
| *7:00 pm* | Dinner (on own) |  |

**Wednesday, November 28**

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| *Time**7:30am**8:30 am* | EventBreakfastWelcome and Introductions: Myron Gutmann, Assistant Director of NSF for Social, Behavioral & Economic SciencesAlan Blatecky, Office Director for the NSF Office of Cyberinfrastructure | LocationWoodrow Wilson Ballroom A |
| *8:50 am* | Transition to Practice: How to Identify Ideas Ready for Transition and What to Do Next*Introduction and session chair: Kevin Thompson, NSF* *Ron Perez, Cyber Security Research Alliance (CSRA)**Doug Maughan, DHS**Becky Bace, University of South Alabama**Vern Paxson, ICSI* *Paul Barford, University of Wisconsin*  |  |
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| *10:10 am* | Teaching and Learning: Competitions and Cybersecurity *Nick Weaver, ICSI: Skills Competitions vs. “Build-It” Competitions**Ben Cook, Sandia: Starting a “Build-It” Competitio:**Ron Dodge, USMA: Learning more from Skills Competitions* *Session Chair: Victor Piotrowski, NSF* | Woodrow Wilson Ballroom A |
| *10:55 am* | Break |  |
| *11:25 am* | Massively Open Online Courses (MOOCs) and Cybersecurity*John Mitchell, Stanford (remote)**Introduction and Session Chair: Victor Piotrowski, NSF* |  |
| *12:10 pm* | Lunch Pickup (return to meeting room) |  |
| *12:45 pm* | Discussion Session Charge: Jeremy Epstein, NSF*Session Coordinators: Daniel Weitzner, MIT and Michael Reiter, University of North Carolina Chapel Hill* | Woodrow Wilson Ballroom A |
| *1:15 pm* | Discussion Sessions Convene | Various Rooms, TBA |
| *3:00 pm* | Break |  |
| *3:30 pm* | Discussion Sessions Continue, Develop Out-Briefs |  |
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| *5:30 pm* | Poster Session*Coordinator: Micah Sherr, Georgetown University* | Annapolis 1- 4 |
| *5:30 pm* | Rump / BOF sessions | Baltimore 1 - 5 |
| *7:00 pm* | Adjourn |  |
| *7:00 pm* | Dinner (on own) |  |

**Thursday, November 29**

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| *Time**7:30 am**8:30 am* | EventBreakfastOpening Announcements: NSF Leadership | LocationCherry Blossom Ballroom |
| *8:45 am* | Out-Briefs from Discussion Sessions: *Discussion Group Leaders**Session Co-Chairs: Daniel Weitzner, MIT and Michael Reiter, University of North Carolina Chapel Hill* |  |
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| *10:30 am* | Break |  |
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| *11:00 am* | Closing Plenary: Ignorance: How it Drives Science*Stuart Firestein, Columbia University**Introduction and Session Chair: Jeremy Epstein, NSF*  |  |
| *12:00 pm* | Closing remarks*Keith Marzullo, NSF* |  |
| *12:10 pm* | SaTC PI Meeting Adjourns; Box Lunches Available  |  |
| *1:00 pm* | Science of Security Community Meeting Opens (for those remaining) | Cherry Blossom Ballroom |
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**Acknowledgements**

**Steering Committee**

Alessandro Acquisti (Carnegie Mellon University)

Bill Arbaugh (University of Maryland)

Matt Bishop (University of California Irvine)

Elisa Bertino (Purdue University)

Joan Feigenbaum (Yale University)

Deb Frincke (National Security Agency)

Cormac Herley (Microsoft Research)

Susan Landau (Guggenheim Scholar, Privacyink.org)

Deirdre Mulligan (University of California Berkeley)

Stefan Savage (University of California San Diego)

Fred Schneider (Cornell University)

**Organizing Committee**

Lance Hoffman, Principal Investigator (George Washington University)

Carl Landwehr, Organizing Committee Liaison (George Washington University)

Micah Sherr, Poster Session Chair (Georgetown University)

Costis Toregas, University Liaison (George Washington University)

Elaine Shi, Cross-Disciplinary Conversations co-chair (University of Maryland)

Apu Kapadia, Cross-Disciplinary Conversations co-chair (Indiana University)

**Local Arrangements Committee**

Katie Dey (Vanderbilt University)

Anne Dyson (Vanderbilt University)

Frankie King (Vanderbilt University)

Xenofon Koutsoukos (Vanderbilt University)