NIST-Stanford Executive Technical Workshop on Improving Cybersecurity and Consumer Privacy

February 12, 2015, 1:00 pm – 5:15 pm

Stanford University

Bechtel Conference Center at Encina Hall

616 Serra Mall, Stanford, CA 94305

In coordination with the President's Cybersecurity Summit, the Department of Commerce's National Institute of Standards and Technology (NIST) and Stanford University co-hosted a workshop on February 12, 2015 to discuss advanced cybersecurity and privacy technologies. The workshop examined how to best address business leaders' challenges in implementing these technologies in real-world conditions.

Goals

- Understand the real-world cybersecurity challenges for consumer-facing organizations
- Share insights on practical approaches to improving cybersecurity
- Stimulate collaboration on cybersecurity among stakeholders

Outcomes

- Prioritize the key challenges U.S. businesses face in developing strong cybersecurity and privacy programs
- Identify gaps related to the adoption and use of cybersecurity standards, technologies and best practices
- Gain input into prioritization of NIST's cybersecurity activities to maximize relevance and impact

Agenda

1:00 pm	**Welcome -** Amy Zegart, Co-director, Center for International Security and Cooperation, Stanford University; Davies Family Senior Fellow, Hoover Institution; and Professor of Political Science (by courtesy)

1:10 pm	**Keynote** - Michael Daniel, Special Assistant to the President and Cybersecurity Coordinator, White House
1:20 pm	**Consumer-Facing Industry Perspectives and Challenges** This segment will explore the challenges in implementing cost-effective cybersecurity and privacy protections in real-world environments while considering the impact to existing infrastructure, business arrangements and operations. Selected representatives from a variety of consumer-facing sectors will get the discussion started by sharing their experiences. *Participation by all attendees is encouraged.* Faciltators: Joseph A. Grundfest, W.A. Franke Professor of Law and Business, Stanford University and Kiersten Todt, President and Managing Partner, Liberty Group Ventures, LLC Panelists: Michael Duff, Assistant Vice President and Chief Information Security Officer, Stanford University Mitchell Sherman, Chief Information Security Officer, East West Bank Sudhakar Gummadi, Vice President of IT Security and Chief Information Security Officer, Molina Healthcare Colin Anderson, Vice President of Information Technology and Chief Information Security Officer, Safeway Josiah Wilkinson, Senior Counsel, Nationwide Eric Grosse, Vice President of Security Engineering, Google Discussants: Shinichi Yokohama, Head, Cybersecurity Integration, NTT Linda Clement-Holmes, Chief Information Officer, Proctor & Gamble
2:45 pm	**Break**
2:55 pm	**Research into Methods for Meeting Industry Needs** This panel will look at current consumer cybersecurity research priorities, focusing on risk modeling, privacy-enhancing technologies and usable security. Moderator: Herb Lin, Senior Research Scholar for Cyber Policy and Security, Center for International Security and Cooperation, Stanford University; Research Fellow, Hoover Institution

	Topics and Panelists: **Risk Modeling in Cybersecurity** Elisabeth Paté-Cornell, Professor of Management Science, Stanford University Marshall Kuypers, Predoctoral Science Fellow, Center for International Security and Cooperation, Stanford University Malcolm Harkins, Chief Information Security Officer, Intel and Matthew McCormack, Chief Technology Officer, RSA **Privacy Enhancing Technologies** Dan Boneh, Professor of Computer Science and Electrical Engineering, Stanford University Hemma Prafullchandra, Chief Technology Officer, HyTrust **Making Universal Encryption Usable** Joe Bonneau, Post-doctoral Researcher, Stanford University Troy Leach, Chief Technology Officer, PCI Security Council Bret Hartman, Chief Technology Officer-Security, Cisco
4:10 pm	**Looking Forward – The Action Plan** This panel will look at the steps that industry, government and academia can take to make progress on addressing consumer-facing cybersecurity concerns. Moderator: Adam Sedgewick, Senior Information Technology Policy Advisor, NIST Panelists: Laura Chadwick, Director of Commerce and Entrepreneurship, National Restaurant Association John Carlson, Executive Vice President of Technology Risk, Financial Services Roundtable's BITS Maryam Cope, Vice President of Governmental Affairs, American Hotel & Lodging Association Brian Dodge, Executive Vice President of Communications and Strategic Initiatives, Retail Industry Leaders Association
5:00 pm	**Summary of Challenges -** Nate Lesser, Deputy Director, NCCoE and Kevin Stine, Group Leader, NIST
5:10 pm	**Closing Remarks -** Dr. Willie May, Acting Director, NIST and Acting Under Secretary of Commerce for Standards and Technology