

# WEIS 2008

Workshop on the  
Economics of  
Information Security

## Program Schedule

**Wednesday, June 25**

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- 5:30–8:00p.m.**      **Registration**, Conway Foyer (Byrne Hall)  
**6:30–8:00p.m.**      **Welcome Reception**, Stell Hall  
**8:00–11:00p.m.**    **Birds of a Feather Networking and Discussion Opportunity**, locations TBA

**Thursday, June 26**

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- 7:00a.m.–12:00p.m.** **Registration**, Great Hall  
**7:00–8:15a.m.**      **Breakfast**, PepsiCo Dining Hall (Byrne Hall)  
**8:00–8:15a.m.**      **Welcome**, PepsiCo Dining Hall (Byrne Hall)

### **Conference Welcome and Overview**

M. Eric Johnson, Conference Chair, Tuck School of Business at Dartmouth

### **Welcome to Tuck and Dartmouth**

Paul Danos, Dean, Tuck School of Business at Dartmouth

- 8:30–10:00a.m.**    **Research Presentations**, Spanos Auditorium

**Cyber Policy and Regulation** – *Catherine Tucker (MIT), Session Chair*

### **Nonbanks and Risk in Retail Payments**

Stuart Weiner, Federal Reserve Bank–Kansas City

Richard Sullivan\*, Federal Reserve Bank–Kansas City

Simonetta Rosati, European Central Bank

### **Do Data Breach Disclosure Laws Reduce Identity Theft?**

Sasha Romanosky\*, Carnegie Mellon University

Rahul Telang, Carnegie Mellon University

Alessandro Acquisti, Carnegie Mellon University

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## **Security Economics and European Policy**

Ross Anderson, University of Cambridge  
Rainer Boehme, Dresden University of Technology  
Richard Clayton, University of Cambridge  
Tyler Moore\*, University of Cambridge

**10:00–10:30a.m. Coffee Break**

**10:30a.m.–12:00p.m. Panel, Spanos Auditorium**

## **Media Panel**

Communicating Security – The Role of Media: A Journalistic Perspective  
Byron Acohido, *USA Today*  
Scott Berinato, *CIO/CSO Magazines*  
Brian Grow, *BusinessWeek*  
Ryan Naraine, *ZDNet Magazine*  
Dennis G. Fisher, *TechTarget*  
Eric Johnson, Dartmouth College (moderator)

**12:00–1:20p.m. Lunch and Panel, PepsiCo Dining Hall (Byrne Hall)**

## **CISO Panel**

CISO Perspective – Evaluating and Communicating Information Risk  
Russ Pierce, Chief Security Architect, CVS Caremark  
Phil Venables, Managing Director and Chief Information Risk Officer, Goldman Sachs  
Kavitha Venkita, Practice Manager, IT Practice, Corporate Executive Board  
Eric Johnson, Dartmouth College (moderator)

**1:30–3:20p.m. Research Presentations, Spanos Auditorium**

**Risk Management and Security Investment – Lawrence Gordon (Maryland), Session Chair**

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**Security Investment (Failures) in Five Economic Environments: A Comparison of Homogeneous and Heterogeneous User Agents**

Jens Grossklags\*, UC Berkeley

Nicolas Christin, Carnegie Mellon University

John Chuang, School of Information, UC Berkeley

**BORIS – Business–Oriented Management of Information Security**

Sebastian Sowa\*, Ruhr–University of Bochum

Lampros Tsinas, Munich Re

Roland Gabriel, Ruhr–University of Bochum

**Productivity Space of Information Security in an Extension of the Gordon–Loeb's Investment Model**

Kanta Matsuura\*, The University of Tokyo

**Communicating the Economic Value of Security Investments: Value at Security Risk**

Rolf Hulthén\*, TeliaSonera AB

3:20–3:45p.m.

**Coffee Break**

3:45–5:25p.m.

**Research Presentations, Spanos Auditorium**

**Technology and Policy Adoption – L. Jean Camp (Indiana), Session Chair**

**Modelling the Human and Technological Costs and Benefits of USB Memory**

**Stick Security**

Adam Beutement, UCL

Robert Coles, Merrill Lynch

Jonathan Griffin, HP Labs

Christos Ioannidis, University of Bath

Brian Monahan, HP Labs

David Pym\*, HP Labs and University of Bath

Angela Sasse, UCL

Mike Wonham, HP Labs

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**Information Governance: Flexibility and Control through Escalation and Incentives**

Xia Zhao\*, Dartmouth College

Eric Johnson, Dartmouth College

**Firms' Optimal Digital Rights Management (DRM) Strategies: The Effects of Public  
Copy Protection and DRM Compatibility**

Sang Hoo Bae\*, Clark University

Pilsik Choi, Clark University

**Diffusion and Adoption of IPv6 in the United States**

Hillary Elmore, Indiana University Bloomington

L. Jean Camp\*, Indiana University Bloomington

Brandon Stephens, Indiana University Bloomington

**5:30p.m.            Group Photo, Tuck Steps**

**5:45p.m.            Buses depart for dinner**

**6:30p.m.            Dinner at Simon Pearce Restaurant, Quechee, Vermont**

Transportation will be provided to and from Simon Pearce Restaurant.

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**Friday, June 27**

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**7:30a.m.–12:00p.m. Registration, Great Hall**

**7:00–8:15a.m. Breakfast, PepsiCo Dining Hall (Byrne Hall)**

**8:00–8:15a.m. Welcome, PepsiCo Dining Hall (Byrne Hall)**

## **Security Perspectives**

George Cybenko, Dorothy and Walter Gramm Professor of Engineering at Dartmouth

**8:30–10:10a.m. Research Presentations, Spanos Auditorium**

**Combating Cybercrime – Ross Anderson (Cambridge), Session Chair**

## **Reinterpreting the Disclosure Debate for Web Infections**

Oliver Day, Harvard University

Rachel Greenstadt\*, Harvard University

Brandon Palmen, Harvard University

## **The Impact of Incentives on Notice and Take-down**

Tyler Moore\*, University of Cambridge

Richard Clayton, University of Cambridge

## **Studying Malicious Websites and the Underground Economy on the Chinese Web**

Jianwei Zhuge, Peking University

Thorsten Holz, University of Mannheim

Chengyu Song\*, Peking University

Jinpeng Guo, Peking University

Xinhui Han, Peking University

Wei Zou, Peking University

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## **Botnet Economics: Uncertainty Matters**

Zhen Li, Albion College

Qi Liao\*, University of Notre Dame

Aaron Striegel, University of Notre Dame

**10:10–10:30a.m. Coffee Break**

**10:30a.m.–12:00p.m. Panel**, Spanos Auditorium

## **Cybercrime Panel**

Investigating and Prosecuting Cybercrime

Kathryn Warma, Assistant U.S. Attorney, Washington

Jim Burrell, Assistant Special Agent in Charge, Boston, FBI

Lucy H. Carrillo, Assistant Attorney General, New Hampshire Criminal Justice Bureau

William Cantwell, New Hampshire State Police

Eric Goetz, I3P (moderator)

**12:00–1:15p.m. Lunch**, PepsiCo Dining Hall (Byrne Hall)

## **End-to-End Trust**

Bret Arsenault, Chief Security Advisor, Microsoft

**1:30–2:30p.m. Research Presentations**, Spanos Auditorium

**Disclosure and Firm Valuation** – *Rahul Telang (CMU), Session Chair*

## **Reading the Disclosures with New Eyes: Bridging the Gap between Information Security Disclosures and Incidents**

Ta-Wei Wang\*, Purdue University

Jackie Rees, Purdue University

Karthik Kannan, Purdue University

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**Cyber Insurance as an Incentive for IT Security**

Jean Bolot, Sprint

Marc Lelarge\*, INRIA-ENS

**2:30–3:00p.m.**

**Coffee Break**

**3:00–4:30p.m.**

**Research Presentations, Spanos Auditorium**

**Privacy and Trust – Alessandro Acquisti (CMU), Session Chair**

**The Economics of Covert Community Detection and Hiding**

Shishir Nagaraja\*, University of Cambridge

**Conformity or Diversity: Social Implications of Transparency in Personal**

**Data Processing**

Rainer Böhme\*, TU Dresden

**Is Distributed Trust More Trustworthy?**

Kurt Nielsen\*, University of Copenhagen

**Competition for Information under Privacy Concerns**

Ramnath Chellappa\*, Emory University

Raymond Sin, Hong Kong University of Science and Technology

**4:45–6:00p.m.**

**Rump Session, Whittemore Tent**

Angela Sasse and Adam Beautement, University College London

Forrest Hare, George Mason University

Se-Hak Chun, Seoul National University of Technology

And more to come!

**6:00p.m.**

**Dinner at Tuck School of Business, Whittemore Tent**

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**Saturday, June 28**

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**8:00–9:30a.m.**      **Breakfast**, Hanover Inn, Hanover, New Hampshire

### **Security Research at I3P/ISTS**

Charles Palmer, Research Director I3P, Dartmouth College  
David Kotz, Professor, Dartmouth College

**9:30a.m.**      **Transportation departs for optional hike or walking tour of Woodstock, Vermont**

**9:30a.m.–4:00p.m.**      **Day Trip**

### **Hiking – Mount Cardigan (3121ft) 3.3 miles, 2.5 hours – Lead by Prof. David Kotz, Dartmouth**

This moderate hike is rewarding, with good views above tree line. At 3.3 mile for the round trip, the hike is moderately steep but can be hiked in common athletic shoes.

<http://www.dartmouth.edu/~doc/hiking/mountcardigan/>

### **Strolling – Woodstock, Vermont**

Enjoy a stroll through the historic New England village. With many shops and restaurants, there are plenty of opportunities to linger over a cup of tea or coffee.

<http://www.woodstockvt.com/>

For the more adventuresome, hike Mount Tom – a 30 minute hike from downtown Woodstock on a well maintained trail:

<http://www.woodstock-village.com/mount-tom.html>

**3:00p.m.**      **Transportation returns to the Hanover Inn**, Hanover, New Hampshire

**End of Workshop**