Serge Egelman

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Education

- **PhD in Computation, Organizations, and Society**, May 2009
  School of Computer Science, Carnegie Mellon University

- **BS in Computer Engineering**, May 2004
  School of Engineering and Applied Science, University of Virginia

Refereed Journal Publications

- The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study. Information Systems Research (ISR), 22(2), June 2011, pp. 254-268 (with J. Tsai, L. Cranor, and A. Acquisti). *Best Published Paper Award!*
- P3P Deployment on Websites. Electronic Commerce Research and Applications (ECRA), Autumn 2008 (with L. Cranor, S. Sheng, A. McDonald, and A. Chowdhury).
- The Real ID Act: Fixing Identity Documents with Duct Tape. I/S: A Journal of Law and Policy for the Information Society, 2(1), Winter 2006, pp. 149-183 (with L. Cranor).

Refereed Conference Papers

- When It's Better to Ask Forgiveness than Get Permission: Attribution Mechanisms for Smartphone Resources. Proceedings of the 2013 Symposium on Usable Privacy and Security (SOUPS). July 2013 (with C. Thompson, M. Johnson, D. Wagner, and J. King), to appear.
- The Importance of Being Earnest [in Security Warnings]. Financial Cryptography and Data Security. 2013 (with S. Schechter).
- Does My Password Go up to Eleven? The Impact of Password Meters on Password Selection . CHI '13: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2013 (with C. Herley, A. Sotirakopoulos, I. Muslukhov, and K. Beznosov), to appear.
- My Profile Is My Password, Verify Me! The Privacy/Convenience Tradeoff of Facebook Connect . CHI '13: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2013, to appear.
- Android Permissions: User Attention, Comprehension, and Behavior. Proceedings of the 2012 Symposium on Usable Privacy and Security (SOUPS). July 2012 (with A. P. Felt, E. Ha, A. Haney, E. Chin, and D. Wagner). *Best Paper Award!*
- Facebook and Privacy: It's Complicated. Proceedings of the 2012 Symposium on Usable Privacy and Security (SOUPS). July 2012 (with M. Johnson and S. Bellovin).
- Oops, I Did It Again: Mitigating Repeated Access Control Errors on Facebook. CHI '11: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2011 (with A. Oates and S. Krishnamurthi).
- Of Passwords and People: Measuring the Effect of Password-Composition Policies. CHI '11: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2011 (with S. Komanduri, R. Shay, P. G. Kelley, M. Mazurek, L. Bauer, N. Christin, and L. F. Cranor). *Best Paper Nominee!*
- It's All About The Benjamins: An empirical study on incentivizing users to ignore security advice. Financial Cryptography and Data Security. 2011 (with N. Christin, T. Vidas, and J. Grossklags).
- Crying Wolf: An Empirical Study of SSL Warning Effectiveness. The 18th USENIX Security Symposium. 2009 (with J. Sunshine, H. Almuhimedi, N. Atri, and L. Cranor).
- It's No Secret: Measuring the reliability of authentication via 'secret' questions. The 2009 IEEE Symposium on Security and Privacy (with S. Schechter and A.J. Brush).
- It's Not What You Know, But Who You Know: A social approach to last-resort authentication. CHI '09: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2009 (with S. Schechter and R. Reeder).
- Timing Is Everything? The Effects of Timing and Placement of Online Privacy Indicators. CHI '09: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2009 (with J. Tsai, L. Cranor, and A. Acquisti).
- Family Accounts: A new paradigm for user accounts within the home environment. CSCW '08: Proceedings of the 2008 Conference on Computer Supported Cooperative Work. 2008 (with A.J. Brush and K. Inkpen).
- You've Been Warned: An Empirical Study on the Effectiveness of Web Browser Phishing Warnings. CHI '08: Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. 2008 (with L. Cranor and J. Hong). *Best Paper Nominee!*
- Phinding Phish: An Evaluation of Anti-Phishing Toolbars. NDSS: Proceedings of the ISOC Symposium on Network and Distributed System Security. February 2007 (with Y. Zhang, L. Cranor, and J. Hong).
- An Analysis of P3P-Enabled Web Sites among Top-20 Search Results. Proceedings of the Eighth International Conference on Electronic Commerce. August 2006 (with L. Cranor and A. Chowdhury).
- Power Strips, Prophylactics, and Privacy, Oh My!. Proceedings of the 2006 Symposium On Usable Privacy and Security (SOUPS). July 2006 (with J. Gideon, L. Cranor, and A. Acquisti).

Refereed Workshop Papers

- [I've Got 99 Problems, But Vibration Ain't One: A Survey of Smartphone Users' Concerns](#). The 2nd Annual ACM CCS Workshop on Security and Privacy in Smartphones and Mobile Devices (SPSM). October 2012 (with A. P. Felt and D. Wagner).
- [How to Ask for Permission](#). The 7th USENIX Workshop on Hot Topics in Security (HotSec '12). August 2012 (with A. P. Felt, M. Finifter, D. Akhawe, and D. Wagner).
- [Choice Architecture and Smartphone Privacy: There's A Price for That](#). Workshop on the Economics of Information Security (WEIS). June 2012 (with A. P. Felt and D. Wagner).
- [How Good Is Good Enough? The Sisyphean Struggle for Optimal Privacy Settings](#). CSCW 2012 Workshop on Reconciling Privacy with Social Media. February 2012 (with M. Johnson).
- [Toward Privacy Standards Based on Empirical Studies](#). W3C Workshop on Web Tracking and User Privacy. April 2011 (with E. McCallister).
- [Please Continue to Hold: An empirical study on user tolerance of security delays](#). Workshop on the Economics of Information Security (WEIS). June 2010 (with D. Molnar, N. Christin, A. Acquisti, C. Herley, and S. Krishnamurthi).
- [Tell Me Lies: A Methodology for Scientifically Rigorous Security User Studies](#). Workshop on Studying Online Behaviour at CHI'10. April 2010 (with J. Tsai and L. F. Cranor).
- [The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study](#). Workshop on the Economics of Information Security (WEIS). June 2007 (with J. Tsai, L. Cranor, and A. Acquisti).
- [Security User Studies: Methodologies and Best Practices](#). CHI '07 Extended Abstracts on Human Factors in Computing Systems. April 2007 (with J. King, R. Miller, N. Ragouzis, and E. Shehan).
- [Studying The Impact of Privacy Information on Online Purchase Decisions](#). Workshop on Privacy and HCI: Methodologies for Studying Privacy Issues at CHI'06. April 2006 (with J. Tsai, L. Cranor, and A. Acquisti).

Book Chapters and Magazine Articles

- Crowdsourcing. To appear in *Ways of Knowing in HCI*, J. Olson and W. Kellogg (Eds.), to be published by Springer (with E. Chi and S. Dow).
- [Helping Users Create Better Passwords](#). *;login:*. December 2012 (with B. Ur, P. G. Kelley, S. Komanduri, J. Lee, M. Maass, M. Mazurek, T. Passaro, R. Shay, T. Vidas, L. Bauer, N. Christin, L. F. Cranor, and J. Lopez).
- [Conference Report: SOUPS 2006](#). *IEEE Security & Privacy*. November/December 2006 (with J. Tsai).
- [Conference Report: 14th USENIX Security Symposium](#). *;login:*. December 2005 (with K. Butler, M. Chow, J. Duerig, B. Hicks, F. Hsu, S. Kelm, and M. Rajagopalan).
- [Conference Report: 13th USENIX Security Symposium](#). *;login:*. December 2004 (with A. AuYoung, E. Cronin, M. Dougherty, R. Greenstadt, S. Kelm, Z. Liang, C. Mano, N. Smith, A. Raniwala, T. Whalen, and W. Xu).
- [Suing Spammers for Fun and Profit](#). *;login:*. April 2004.
- Installation. *Peter Norton's Complete Guide to Linux*. Macmillan Computer Publishing. 1999.
- User Administration. *Peter Norton's Complete Guide to Linux*. Macmillan Computer Publishing. 1999.

Research Experience

Scientist
University of California, Berkeley
September 2011-present

Scientist
NIST
August 2010-July 2011

Postdoctoral Research Associate
Brown University
August 2009-August 2010

Research Assistant
Carnegie Mellon University
June 2004-May 2009

Research Intern
Microsoft Research
January-April, July-October 2008

Research Intern
Xerox PARC
June-September 2006

Professional Experience

Developer
Tovaris: The Digital Identity Company
2000-2001

Technical Support / Developer / System Administrator
Broadband Network Services, Inc.
1999-2000

Teaching Experience

Information Security & Privacy (46-861)
Carnegie Mellon University
Fall 2007

Teaching assistant duties included developing course materials (topics for lectures, assignments, and exams), grading assignments and exams, holding office hours, and mentoring students about semester-long projects.

Computers and Society (15-290)
Carnegie Mellon University
Spring 2006

Teaching assistant duties included giving guest lectures, creating assignments and exams, grading assignments and exams, holding office hours, and mentoring students about semester-long projects.

Information Security (CS 451)
University of Virginia
Fall 2003

Teaching assistant duties included giving guest lectures, creating assignments and exams, grading assignments and exams, and holding office hours.

Intellectual Property (TCC 200)
University of Virginia
Fall 2003

Teaching assistant duties included grading assignments and holding office hours.

Advanced Software Development Methods (CS 340)
University of Virginia
Spring 2003, Spring 2004

Teaching assistant duties included grading assignments and exams, and holding office hours.

Engineering Software (CS 201J)
University of Virginia
Fall 2002

Teaching assistant duties included grading assignments and holding office hours.

Research Grants

- Google Faculty Research Award, *Designing Usable Certificate Dialogs in Chrome*. Principal Investigator, 2010. Budget: $60,000.

- NSF Trustworthy Computing, Small, *Interfaces to Reduce Human Error in Access Control Policy Authoring*. Principal Investigator (Co-PIs: Shriram Krishnamurthi and Kathi Fisler), 2010. Budget: $500,000; *Recommended for funding, though upon accepting a job within the government, we were forced to subsequently withdraw the proposal.*

Professional Activities

- **Program Committees**
  2013: CHI; Symposium On Usable Privacy and Security (SOUPS)
  2012: Symposium On Usable Privacy and Security (SOUPS); New Security Paradigms Workshop (NSPW)
  2011: Symposium On Usable Privacy and Security (SOUPS); New Security Paradigms Workshop (NSPW); Computers, Freedom, and Privacy (CFP) Conference (poster session co-chair); Software and Usable Security Aligned for Good Engineering (SAUSAGE) Workshop (co-chair)
  2010: Symposium On Usable Privacy and Security (SOUPS)
  2008: Conference on Information and Knowledge Management (CIKM)
  2007: CHI 2007 Workshop - Security User Studies: Methodologies and Best Practices; Anti-Phishing Working Group eCrime Researchers Summit (poster session co-chair)
  2006: Computers, Freedom, and Privacy (CFP) Conference
- **Standards Committees**
  2007-2008: W3C Web Security Context (WSC) Working Group
  2004-2006: W3C Platform for Privacy Preferences (P3P) 1.1 Working Group
- **Leadership Roles**
  Legislative Concerns Chair, Board of Directors
  National Association of Graduate and Professional Students (NAGPS), 2006-2008
  Vice President for External Affairs
  Carnegie Mellon Graduate Student Assembly, 2006-2008

Awards and Nominations

- **ISR Best Published Paper**, 2012

  The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study, received the Best Published Paper Award at the 2012 INFORMS Conference (with J. Tsai, L. Cranor, and A. Acquisti).
- **SOUPS Best Paper Award**, 2012

  Android Permissions: User Attention, Comprehension, and Behavior, received the Best Paper Award at the Symposium on Usable Privacy and Security (with A. P. Felt, E. Ha, A. Haney, E. Chin, and D. Wagner).
- **CHI Best Paper Nominee**, 2011

  Of Passwords and People: Measuring the Effect of Password-Composition Policies, received an honorable mention at CHI 2011 (with with S. Komanduri, R. Shay, P. G. Kelley, M. Mazurek, L. Bauer, N. Christin, and L. F. Cranor).
- **CHI Best Paper Nominee**, 2008

You've Been Warned: An Empirical Study on the Effectiveness of Web Browser Phishing Warnings, received an honorable mention at CHI 2008 (with L. Cranor and J. Hong).

- **Tor Graphical User Interface Design Competition**, 2006

  Phase 1 Overall Winner (with L. Cranor, J. Hong, P. Kumaraguru, C. Kuo, S. Romanosky, J. Tsai, and K. Vaniea).

- **University of Virginia Dean's List of Scholars**

  I was included on the Spring 2003 and 2004 Dean's List of Scholars.

- **Publisher's Clearing House Finalist**

  I *may* already be a winner.

Last modified July 2013.