

Computing in the Human Factor



Serge Egelman

Senior Researcher, Network & Security Group Research Scientist, Electrical Engineering and Computer Sciences (EECS)

CURRENT RESEARCH

Creating better computer security by studying user behavior

Billions of dollars are lost annually due to computer fraud, yet most people working on computer security are focused on engineering new systems without regard for how people will actually use those systems. Dr. Serge Egelman of the International Computer Science Institute strives to improve computer security and online privacy by addressing human factors. He designs scientific experiments to explore how people behave in various situations, how they make privacy and security decisions, and how computer systems and their interfaces can then be better devised to improve behavior and understanding.

For example, Dr. Egelman's research into why people disregard computer security warnings was used by developers to design warnings that are less likely to get ignored. The results of this research have been incorporated into major web browsers, which are used by hundreds of millions of users today.

- Research on web-based threats to privacy and security involves performing human subject experiments to examine how people respond to current mitigations, such as web browser security warnings and various privacy tools. His team is also performing research to discover new threats to privacy, such as how companies devise new methods for online tracking, and then how to mitigate those threats.
- Dr. Egelman's team is currently researching how to improve smartphone platforms so that users better understand and can control how third-party apps may be using their personal information, and then developing new ways that they can control their privacy.
- The team is designing experiments that look into how individual differences (e.g., personality traits) may be...

AFFILIATION

 International Computer Science Institute

EDUCATION

- Ph.D., in Computer Science, Carnegie Mellon University , 2009
- B.S., in Computer Engineering, University of Virginia , 2004

AWARDS

- AIS Best Publication of 2011
- ISR Best Published Paper
- SOUPS Best Paper Award
- CHI Honorable Mention Award (Best Paper Nominee)

RESEARCH AREAS

Technology, Cybersecurity, IOT, Devices, Data

FUNDING REQUEST

Your funding will support Dr. Egelman as he strives to make computer systems more secure and helps users to better control their privacy by taking human behavior into consideration. There are continually new security problems to explore and solve, and the results tend to have a very high impact. Your contributions will go towards researchers' salaries, funding graduate students, paying human subjects, presenting results at top conferences, and purchasing equipment.

[Read More at benefunder.com/](https://benefunder.com/)

Copyright © 2017 / Benefunder 4790 Eastgate Mall, Ste 125, San Diego, CA 92121 / info@benefunder.com / (858) 215-1136