2nd Annual Cyber-Security Research Ethics Dialogue & Strategy

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Purpose

- Educate participants about underlying ethics principles and applications;
- Discuss ethical frameworks and how they are applied across the various stakeholders and respective communities who are involved;
- Impart recommendations about how ethical frameworks can be used to inform policymakers in evaluating the ethical underpinning of critical policy decisions;
- Explore cybersecurity research ethics techniques, tools, standards and practices so researchers can apply ethical principles within their research methodologies; and
- Discuss specific case vignettes and explore the ethical implications of common research acts and omissions.
The shifting roles, responsibilities, and relationships between Researchers, Ethics Review Boards (ERB), Government, Professional Societies, and Program Committees in incentivizing and overseeing ethical research

1. What leadership should be engaged (i.e., institutional, government, peer groups), and what should their respective roles and responsibilities be?

2. What education and awareness is needed?

3. What information sharing/coordination needs to be improved between and among researchers & overseers?

4. What knowledge and technology-transfer mechanisms can meet stated needs?
09:00 - 09:15 - Why are we spending a sunny Saturday afternoon in a conference room talking about ethics???
  - Expectation setting for the Day
  - Brief intros

09:15 - 10:00 - Exploring the Pillars of a More Effective Research Ethics Culture
  - What education and awareness is needed?
    - "Case Study in Developing Malware Ethics Education," John Sullins
  - What information sharing/coordination, and knowledge and technology transfer mechanisms need to be developed or improved to meet ethical needs?
    - Ethics in Data Sharing - Developing a Model for Best Practice," Sven Dietrich, et al.

10:00 - 10:30 - Nerve Juice

10:30 - 12:00 - Exploring the Pillars - Community and Leadership
  - Ethics and Big Data
  - What leadership should be engaged (i.e., institutional, government, peer groups), and what should their respective roles and responsibilities be?
  - What is the role of Program Committees in ensuring published papers meet standards of ethics?
  - What might the focus and structure of a community-informed "best practices" look like?
    - Maritza Johnson, Facebook

12:00 - 13:00 - Vittles

13:00 - 14:30 - Exploring the Pillars in Practice: the growing market of practical controversies where both industry and researchers have a stake/co-dependency in the outcomes
  - Botnet takedown (e.g. proxying consent & safeguarding privacy for vulnerable users, account suspension/blocking thresholds and criteria), Paul Vixie, Farsight
  - Group Discussion

14:30 – 14:45 - Closing Remarks
- Ethical norms are (still) green (eg, in light of dilution/distance)
- Notions of “harm” need to be developed
  - Algorithm harms? what values are implicit; what subtle influences are exerted (eg, Retro-future Time Travel, Correlating PREDICT data and Twitter); how is accountability applied
  - Is collection limitation principle relevant when the harm stems from the statistical/computational/algorithmic applications?
- Multi-stakeholder tensions rise (eg, rt to be forgotten v. rt to know; notice & consent v. use based approach)
Post-Op

- Publish workshop report
  - CREDS: Kenneally, E., Bailey, M.,
    http://dx.doi.org/10.1145/2602204.2602217
- Reminder: Face-lift: Menlo:
  Companion:
  http://ssrn.com/abstract=2342036
- Follow-on collaboration
  - Internet Society (ISOC)
- Presentation & Paper-
  "How to Throw the Race to the Bottom – Toward a Code of Conduct for Ethical & Legal Risks with the Collection and Disclosure of Internet Data for ICT Research” Human Aspects of Security Workshop, HCI International 2014, June ’14
- Re-assess the need space and force multiply
  - Community Review Board?
  - Virtual Case Study Library and Vetting Forum?
  - Hitch a new wagon?