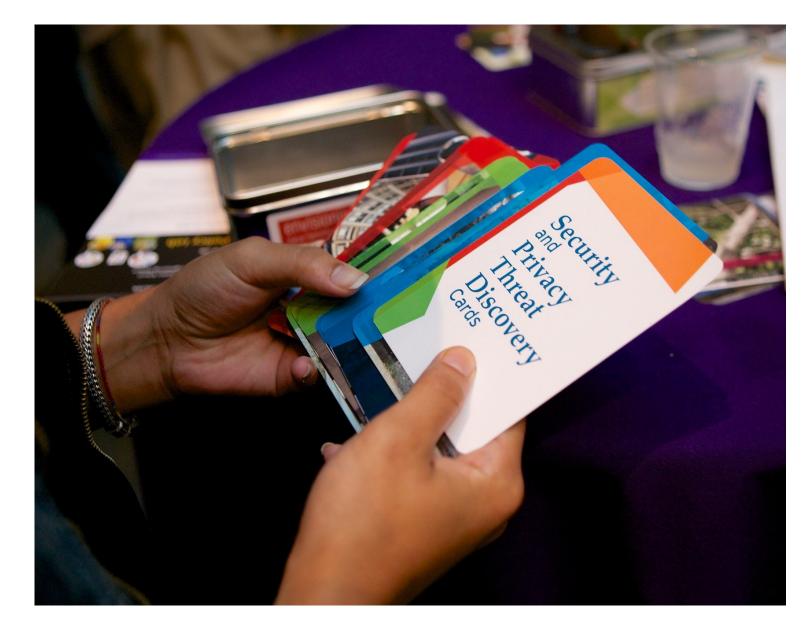
# THE SECURITY CARDS:

# A Security Threat Brainstorming Toolkit

securitycards.cs.washington.edu

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## **PURPOSE**

To facilitate the exploration of potential security threats for a particular system; and more broadly, to help develop a security mindset.

If your system is compromised, what human assets could be impacted? Who might attack your system, and why? What resources might the adversary have? **How** might the adversary attack your system?

# **AUDIENCE**

Educators (for their students), Researchers, and Practicing Professionals



## **CARD TITLES**

### HUMAN IMPACT

- The Biosphere
- **Emotional Wellbeing**
- Financial Wellbeing
- Personal Data
- Physical Wellbeing
- Relationships
- Societal Wellbeing
- Unusual Impacts

#### **ADVERSARY'S MOTIVATIONS**

- Access or Convenience
- Curiosity or Boredom
- Desire or Obsession
- Diplomacy or Warfare
- Malice or Revenge
- Politics
- Protection
- Religion
- Self-Promotion
- World View
- Unusual Motivations

### **ADVERSARY'S RESOURCES**

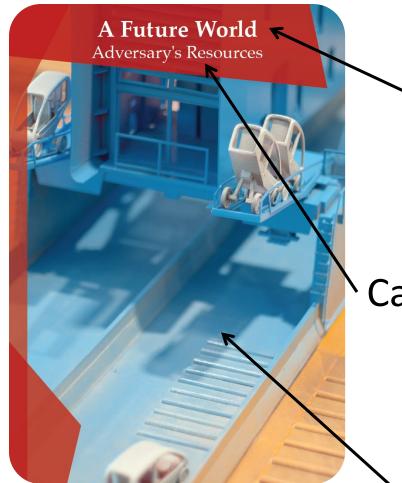
- Expertise
- A Future World
- Impunity
- Inside Capabilities
- Inside Knowledge
- Money
- Power and Influence
- Time
- Tools
- **Unusual Resources**

- Money

### Adversary's Methods

- Attack Cover-Up
- Indirect Attack
- Manipulation or Coercion
- Multi-Phase Attack
- Physical Attack
- Processes
- Technological Attack
- Unusual Methods

# **EXAMPLE CARD**



Card topic

Card dimension

Human Impact Adversary's Motivations Adversary's Resources Adversary's Methods

Evocative photograph



Questions for clarification and to jumpstart thinking

Illustrative examples

# **EXAMPLE ACTIVITY**

Full writeup and other activities available at securitycards.cs.washington.edu

- 1. Work in groups of 3-5.
- 2. Consider an example technology system or a system that you are designing.
- 3. Go through the deck and familiarize yourself with the dimensions and the cards. Make sure to read at least one card from each dimension in its entirety.
- 4. Within each dimension, rank cards in order of how relevant their topics are to your system and how much risk they present overall.
- 5. Why did you rank the cards in that order?
- 6. Have you surfaced particular attack scenarios? Do particular attacker profiles begin to emerge?



Card Graphic Design by Daisy Fry. Card Photography by Nell C. Grey, Daisy Yoo, and J. P. Arsenault. Developed in part through the support of NSF grants 0846065, 0905118, 0905384, 0963695, and 1353194. The cards are a collaboration of the Security and Privacy Research Lab (CSE) and the Value Sensitive Design Research Lab (iSchool) at the University of Washington.

