Virginia Tech
Invent the Future

Security Governance, Standards & Frameworks

Integrated Security Destination Area

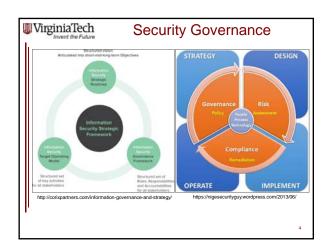**Virginia Tech**
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Agenda

o Brief Overview

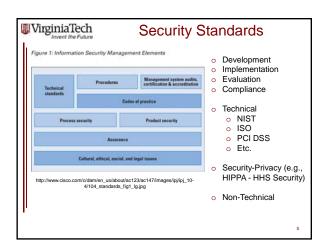o Lightning Talks

o Discussion

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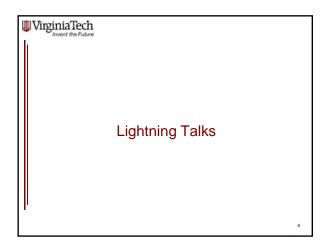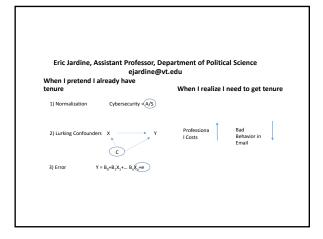
Security Governance, Standards & Frameworks

o Guide decision making and oversight of practices needed to provide secure environments.

o Security governance, frameworks and standards must be developed, tested, and refined regularly.

- How to develop a security strategy within an entity's governance framework?
- How to implement, evaluate and refine that strategy?

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Security Governance

http://corixpartners.com/information-governance-and-strategy/

https://nigesecurityguy.wordpress.com/2013/06/

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Security Standards

Figure 1: Information Security Management Elements

http://www.cisco.com/c/dam/en_us/about/ac123/ac147/images/ipj/ipj_10-4/104_standards_fig1_lg.jpg

- o Development
- o Implementation
- o Evaluation
- o Compliance

- o Technical
  - o NIST
  - o ISO
  - o PCI DSS
  - o Etc.

- o Security-Privacy (e.g., HIPPA - HHS Security)

- o Non-Technical

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Lightning Talks

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Slide 1

Eric Jardine, Assistant Professor, Department of Political Science
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When I pretend I already have tenure

When I realize I need to get tenure

1) Normalization   Cybersecurity = (A/S)

2) Lurking Confounders   X   →   Y

                C

Professional Costs   Bad Behavior in Email

3) Error $Y = B_0 + B_1 X_1 + \dots B_n X_n + e$

Slide 2

Virginia Cyber Range

Cloud-based Resources for Cybersecurity Education

- Mission to enhance cybersecurity education in Virginia high schools and colleges
- Led by consortium of Virginia 2-year and 4-year CAEs
- Boosting **Virginia's cybersecurity industry** through strategic educational investments.
- Opportunities (see our website for more information):
  - Use us for your cybersecurity classes!
  - We are providing funding for faculty to provide courseware for the range

Courseware Repository   **Exercise Area**   **Community of Purpose**

David Raymond, Ph.D., Director
draymond@virginiacyberrange.org
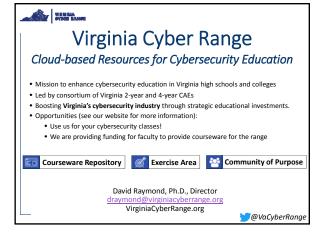VirginiaCyberRange.org

@VaCyberRange

Slide 3

International Refugee Research: Data for Smart Policy

Georgeta Pourchot
School of Public and International Affairs
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1. International refugee crisis ----> Local, regional and global insecurity

2. Crisis enhanced by incomplete data ---->Policy decisions on refugees informed by anecdotal information, fear or political rhetoric

3. Topic incorporates analysis of values, capabilities and institutional preparedness to handle human lives affected by war or disaster, in line with the integrated security agenda for national and international security and preparedness.

Discussion

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1. What major projects or sponsored research opportunities would you like to work on?

   - What other expertise would help you improve your project(s)?

2. What are some major obstacles to your ability to work on these major projects?

   - How can the ISDA help you or your team?
   - What faculty hiring would help bring your research/group/center to the next level?
   - Are there any gaps in research expertise needed?

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