

# CYBERSECURITY SYMPOSIUM

---

## Digital Forensics and Cyber Security Center Teaching:

- Graduate and Undergraduate degrees in digital forensics and cybersecurity
- Courses taught by faculty and other national experts
- Champlin grant for cybersecurity teaching facility
- Placed many URI grads in prominent positions in digital forensics and cybersecurity



# CYBERSECURITY SYMPOSIUM

---

## Digital Forensics and Cyber Security Center Services:

- Worked with State Police to build State Computer Crimes Lab
- Serves as a Lead member of RI State Cyber Disruption Response Team
- Does case work for the legal community



# CYBERSECURITY SYMPOSIUM

---

## Digital Forensics and Cyber Security Center Research:

- Received nearly \$5million in federal funding in last 5 years in Digital Forensics and cybersecurity research.
- Shepherd commercial transition to established and start-up companies.



# CYBERSECURITY SYMPOSIUM

---

## *Panel: Business and Industry Perspective on Cyber Security Workforce and Economic Development*

*Introductions and Facilitator:* **Paul Cofoni**, former president and CEO, CACI International Inc.

**Stephan Somogyi**, Product Manager, Google

**Marisa Viveros**, Vice President, Cyber Security Innovation

**Jeffery R. Schilling**, CISM, Director, Incident Response, Dell SecureWorks

**Kelly Prevett**, Director, IT Security Operations, CVS Caremark

**Scott Baron**, Director, Digital Risk & Security Governance. National Grid

**Panel Q&A Discussion**

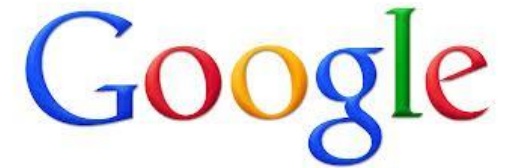
Please text questions for the panel to:

**401-859-1831**



# CYBERSECURITY SYMPOSIUM

---



**Stephan Somogyi**

Product Manager  
Google



# CYBERSECURITY SYMPOSIUM

---



**Marisa Viveros**

Vice President  
Cyber Security Innovation  
IBM



# Skills are critical to future progress

---

- ❑ Executive leading IBM Cyber Security innovation:
  - Working with customers to raise awareness of IBM strategy and portfolio in this domain
  - Working with universities and governments in workforce development
  
- ❑ Perspective on Cyber Security & Impact to IBM
  - This is a *global and local issue* in a hyper connected world
  - Comprehensive approach to build solutions: *people, processes and technologies*
  - *Long and short term investments* to create the future workforce – education and research



# Transform Cyber Security education

1. Increase awareness and expertise
2. Treat security education as a global issue
3. Approach security comprehensively, linking technical to nontechnical fields
4. Seek innovative ways to fund labs and pursue real-world projects
5. Advance a “science of security”

*Strive to balance the near-term requirements of industry and government while educating future faculty members and making investments in research*

Source: *Cybersecurity education for the next generation: Advancing a collaborative approach*, IBM Center for Applied Insights, April 2013.





## Skills Needed

- ❑ System Forensics
  - Dead box forensics
- ❑ Network Forensics
  - Security Event Log Review
  - Netflow Analysis
  - Packet Capture Analysis
- ❑ Malware Analysis/Reverse Engineering
- ❑ Investigative methodologies
- ❑ Communications Skills
  - Verbal and Written
- ❑ Observations
  - Lots of security managers, few security technicians
  - Many companies off-shoring to high value regions for security professionals



# Kelly Prevett, Director IT Security Operations



- ❑ Responsible for the IT Security Operations Center that performs the Security Event Monitoring and Incident Response for the Enterprise
- ❑ Programs such as Vulnerability Management, Secure Application Development, Data Loss Prevention, Security Configuration Validation and management of security infrastructure
- ❑ Perspective on Cyber Security & Impact to CVS Caremark
  - Opportunities for Information Security Awareness and safe information handling practices
  - Information as a currency; PII, PHI, PCI, HIPPA
  - Targets of Opportunity verses Targeted attacks
  - Convergence of mobile and traditional IT systems



# CYBERSECURITY SYMPOSIUM

---

nationalgrid

The power of action.

**Scott Baron**

Director

Digital Risk & Security Governance

National Grid



# CYBERSECURITY SYMPOSIUM

## *Panel: Business and Industry Perspective on Cyber Security Workforce and Economic Development*

*Introductions and Facilitator:* **Paul Cofoni**, former president and CEO, CACI International Inc.

**Stephan Somogyi**, Product Manager, Google

**Marisa Viveros**, Vice President, Cyber Security Innovation

**Jeffery R. Schilling**, CISM, Director, Incident Response, Dell SecureWorks

**Kelly Prevett**, Director, IT Security Operations, CVS Caremark

**Scott Baron**, Director, Digital Risk & Security Governance. National Grid

Please text questions for the panel to:

401-859-1831

