

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



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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



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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.



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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

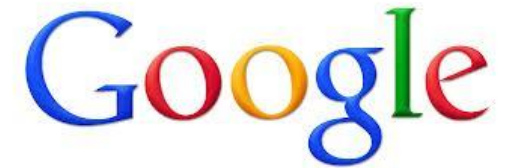
Panel Q&A Discussion

Please text questions for the panel to:

401-859-1831



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Stephan Somogyi

Product Manager
Google



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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



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nationalgrid

The power of action.

Scott Baron

Director

Digital Risk & Security Governance

National Grid



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