

JCOTS

Cybersecurity

Advisory Committee

- Advisory Committee convened at the request of private sector
 - Explore possibility of creating a public-private partnership to promote collaborative cybersecurity R&D between existing cyber companies and the higher ed community in the Commonwealth

What Is Cybersecurity?

- In layman's terms, cybersecurity is technologies, processes, & practices designed to protect networks, computers, and programs from attack, damage, or unauthorized access
 - Ensure confidentiality, integrity, and availability of data
- The world of cybersecurity is very broad

Virginia's Efforts

- Current and past administration actively promote Virginia as a leader in cybersecurity
 - Governor's Cybersecurity Commission: attract cyber companies to the Commonwealth; become leading cyber threat intelligence provider; increase security at state level
 - Workgroups: Education & Workforce; Public Awareness; Infrastructure; Economic Development; Cyber Crime

Virginia's Efforts

- Mach37: Cybersecurity Accelerator
 - Launched in 2013 by CIT
 - To date, has helped to launch 22 start-ups, in various stages of investment and deployment

Virginia's Efforts

- JCOTS has convened two cybersecurity advisory committees:
 - 2012: General background & industry discussion
 - 2013: Focused on electronic voting by overseas military
- JCOTS also led the discussion on trusted identities in cyberspace, with recommendation & passage of ID Management legislation in 2015

Existing Models of Collaboration

- Virginia Biosciences Health Research Corporation (“the Catalyst”)
 - 501(c)(3) nonprofit funded in part by the Commonwealth
 - Provides translational research grants of \$200,000-800,000 for projects involving at least two Virginia universities & private sector (requires matching)
 - Currently in “proof of concept” stage of demonstrating collaborative research potential

Existing Models of Collaboration

- Commonwealth Center for Advanced Manufacturing (CCAM)
 - Collaborative university partners (UVa, VT, ODU, VCU, VSU) conduct approved research with private sector partners; research results shared with all members
 - Located at Rolls Royce Price George Campus
 - Collaboration developed as part of Rolls Royce economic development package

University Collaboration

- Need for heightened visibility of each of our university's expertise
- Private sector needs one "front door" to engage across the university system
- "Growing Virginia's Partnerships"
 - MOU signed by VEDP, SCHEV, CIT, Universities
 - A call to action to better collaborate and use our expertise to grow economic development opportunities
 - University-based economic development team is developing operational outcome recommendations

Tax Issues

- Research & Development Tax Credit
- Angel Investor Tax Credit
- Corporate Income Tax Issues