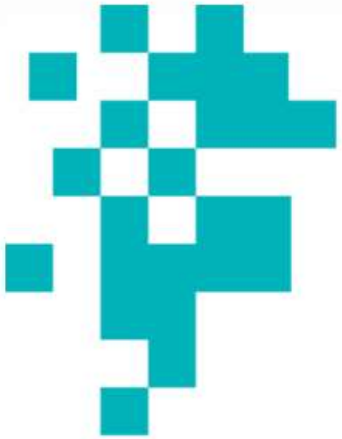


CYBER FLORIDA

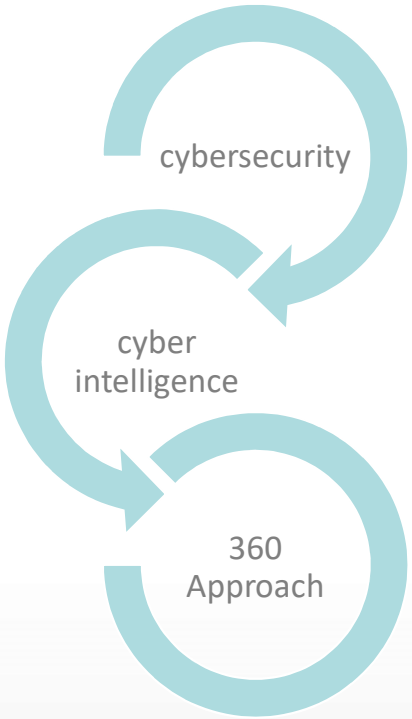
at the **UNIVERSITY OF SOUTH FLORIDA**

cybersecurity + cyber intelligence **=360 Approach**

Network-Focused: Reactive, additive, perimeter-centric approach

Cybersecurity:

- Intrusion detection
- Firewalls
- Antivirus
- Event response
- SIEM
- Anti-phishing
- Einstein/HBSS
- Forensics



External-Focused: Continuous global situational awareness, intrusion prevention

Cyber Intelligence:

- Data collection
- Situational awareness
  A big-picture understanding of what's happening across the global network
- Vulnerability warnings
  Indications of potential threat or vulnerability
- All-source analysis
  Fusion of all available data for actionable intelligence

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a team **SPORT**

U.S. interagency threat-sharing roles:

- DHS
- DOE
- FBI & Local Infraguard
- DOS
- Fusion Centers
- Info/Intel Sharing
- Cyber Intel
- ISACs Law Enforcement

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information **SHARING**

Continuously working across your business, sector, and community

Models: MS-ISAC, Cyber Threat Alliance

MS-ISAC®
Multi-State Information Sharing & Analysis Center®

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public/private **PARTNERSHIPS**

Cybersecurity demands new approaches

PUBLIC

Intelligence Community

Department of Defense

Other Federal Government

Local and State

PRIVATE

Banking and Finance

Electronic Retail

Compliance

Technology Manufacturers and Service Providers

amazon

HIPAA Health Insurance Portability & Accountability Act

Google

DEPARTMENT OF DEFENSE · UNITED STATES OF AMERICA

IRS

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what **CAN WE DO?**

- Prioritize what needs protecting. *Intellectual property, customer/employee, financial data. Keep IP offline or encrypt it.*
- Stay updated. *Enable automatic updates and security patches, use strong passwords, and multifactor authentication*
- Stay informed. *Join your industry's Information Sharing and Analysis Center (ISAC) to stay informed about threats specific to your industry.*
- Be an active consumer. *Demand service providers and suppliers maintain established cybersecurity protocols.*
- Connect with Infragard.org and the Cybersecurity and Infrastructure Security Agency (CISA).

CYBER FLORIDA
at the UNIVERSITY OF SOUTH FLORIDA

about
CYBER FLORIDA
education / research / outreach

our **MISSION**

Position Florida as a **national leader in cybersecurity** through community engagement, education, and innovative, interdisciplinary research.

education / research / outreach

CYBER FLORIDA
at the UNIVERSITY OF SOUTH FLORIDA

EDUCATION

One of Cyber Florida's main purposes as established by the Florida Legislature is to work with the 12 SUS institutions, acting "as a cooperative facilitator of state business and higher education communities to share cybersecurity knowledge, resources, and training."

Certificate Programs

- 8 Undergraduate
- 9 Graduate

Ph.D. Programs

- 3 SUS

Graduate Programs

- 23 SUS

Undergrad Programs

- 15 SUS

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RESEARCH

Major Areas of Research

- Cyber Mission Assurance
- Cyber-resilience
- Software-defined Networking
- Securing Cloud Infrastructures
- Security Tools: focus on machine learning
- Defensive Cyber
- Improving the Discovery and Retrieval of Relevant Knowledge/Intelligence Products
- Medical Device Security Insider Threat in the Cyberdomain
- Securing the Internet of Things

Seed Award

- 2015: $500,000 Awarded
- 2016: $500,000 Awarded
- 2017: $600,000 Awarded
- 2018: $721,000 Awarded

Capacity

- 2017: $720,000 Awarded
- 2018: $734,000 Awarded

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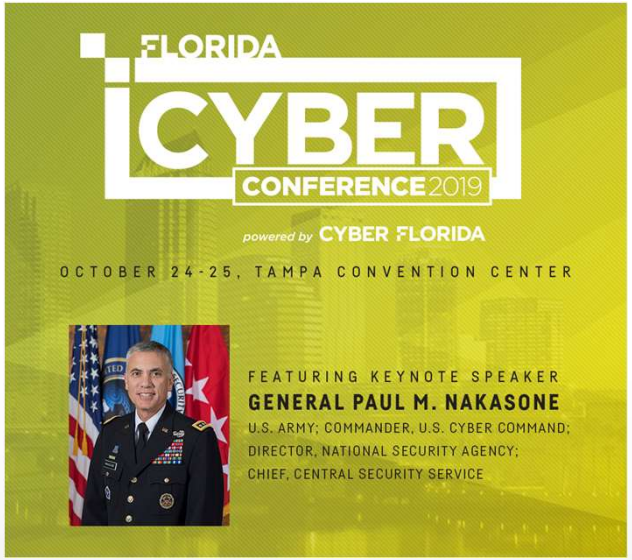
OUTREACH

Annual Conference

- Fourth Annual Conference: **950+ registered attendees**
- Fifth Annual Conference: **1,100+ registered attendees**



Research Symposium

- Cybersecurity researchers from academia and industry from across the state of Florida
- 200+ attendees

Presentations & Sponsored Events

2016: 46 events, 3,900+ attendees

2017: 27 events, 1,900+ attendees

2018: 21 events, 8,420+ attendees

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at the UNIVERSITY OF SOUTH FLORIDA

QUESTIONS?

visit our website ***cyberflorida.org***