# Cybersecurity

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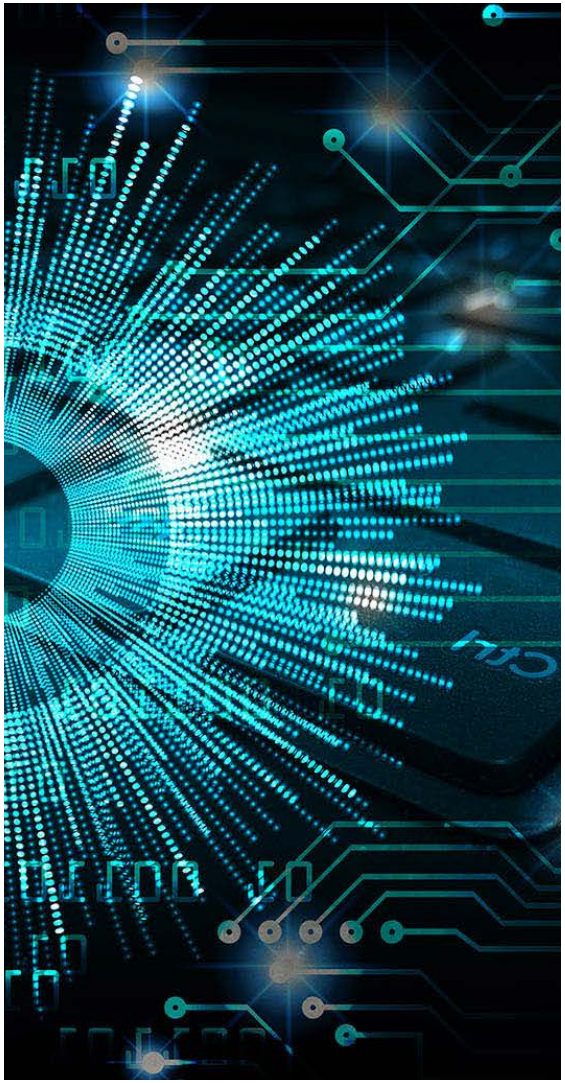

Cybersecurity is a cross-cutting activity affecting all DoD domains requiring:

- Trustworthy platforms and resilient infrastructure to enable the mission
- Discovering, assessing and responding to threats
- Timely capabilities to produce cyber effects
- Situational awareness to support integrated courses of action

# Unique Positioning

The SEI works with the government, academia, and industry to bring innovative capabilities with measurable benefit to the DoD

- A portfolio of work that spans the cyber lifecycle
- Interdisciplinary teams from all of CMU who are experts in their fields
- Relationships with mission owners across the DoD, the interagency and industry

# Projects Meeting Today's Challenges

- *Design Pattern Recover from Malware Binaries*
  - Scalable software analysis
- *API Usability and Security*
  - Trustworthy architecture through better interfaces
- *Vulnerability Discovery*
  - Reduces the attack surface of fielded systems
- *Cybersecurity via Signaling Games*
  - Improved courses of actions

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