



SaTC: Collaborative: SRN: Secure and Resilient Networking

NSF CNS 1528099, CNS 1523994, and CNS 1526299

- Objectives

- Investigate Software Defined Networking (SDN) based security measurement and countermeasure solutions;
- Study the software vulnerability analysis, measurement, mitigation; and
- Design an optimal Moving Target Defense (MTD) techniques deployment mode.

- Scientific approaches

- SDN-based intrusion detection, security analysis, and countermeasure selection and deployment;
- Software vulnerability analysis and resiliency to attacks;
- Security-based traffic engineering model to balance security and usability.