$150,000 AVIRTEK ONR STTR Phase I Award (Jun. 2018 – Dec. 2018): Multi-Layer Mapping of Cyberspace

The goal of this project is to develop innovative data structures (that we refer to as customized cyber footprints) for each component and resource associated with each cyber layer (physical, logical, persona). These data structures will enable us to achieve superior analytics and protection capabilities such as:

1. *Efficient and accurate detection of anomalous behavior of any cyber space entity or application;*

2. *Real-time root cause analysis to identify the components that triggered the detected anomalous behavior; and*

3. *Take proactive responses to mitigate the impact and/or stop the anomalous behavior in order to promptly resume normal cyber operations.*