

1:30 p.m. – 2:00 p.m.

A.I.-Based Expert System for Active Cyber Defense and Trusted Information Sharing

Mr. Shawn Riley

Chief Data Officer

DarkLight

DarkLight is a first of its kind, AI-based expert system which enables sense-making and decision-making for active cyber defense and information sharing. /It helps an organization to immediately deploy a scientific, evidence-based foundation for vastly improved cyber security operations and automation of their most highly-prized resource: the logic and experience of the human analyst.

DarkLight automates what was previously solely a human task in frameworks such as the Integrated Adaptive Cyber Defense (IACD), a collaboration between NSA, DHS, Johns Hopkins APL and many industry-leading vendors. Upper-level sense-making and decision-making functions which require human expertise and analytic tradecraft in the loop are now captured, augmented and/or automated to perform at machine speed, while the human remains on the loop only as needed, to further train and guide the AI.

Created, tested and proven at one of the nation's most advanced research laboratories over the course of more than four years, the company has been granted multiple patents on this unique technology. The company recently emerged from stealth and first demonstrated the product publicly at the RSA Early Stage Expo in February 2017.