



Linda Viney

Laboratory Director, Applied Systems Laboratory



Linda Viney is the director of the Applied Systems Laboratory (ASL) at the Georgia Tech Research Institute (GTRI). As director, Viney works with the ASL leadership team to direct the lab's research mission, coordinate sponsor engagement, collaborate with other GTRI labs, and maximize the impact of its mission. Viney also holds the title of [Regents' Researcher](#) awarded by the University System of Georgia's (USG) Board of Regents for her contributions to GTRI research and innovation.

Viney has been a member of Georgia Tech's research faculty for over 25 years. She holds both master's and bachelor's degrees in Electrical Engineering from the Georgia Institute of Technology (Georgia Tech). During her tenure at GTRI, Viney held the position of Division Chief for the Electronic Systems Integration Division in the Electronic Systems Laboratory (ELSYS).

Her research interests include the development and integration of new technologies for manned and unmanned (uncrewed) operational military aircraft. These new technologies include multi-sensor fusion, automated threat countertactics, secure communications, and Live, Virtual, & Constructive (LVC) electronic combat training. She has served as principal investigator (PI) or co-PI for more than 37 research programs valued at over \$68 million.

Viney has played a significant role in conducting applied research on electronic warfare at GTRI. During her research in LVC training, she led the development of an electronic combat training program, known as the Virtual Electronic Combat Training System (VECTS), which is capable of operating without range limitations. The development was successfully implemented on various military aircraft, including the F-16, A-10, and C-130. More recently she worked with the US Army and DOD contractors, to develop and integrate a [range-based training](#) capability that operates on Apache, Black Hawk, and Chinook helicopters, providing simulated audio and visual cockpit indications of threats to the aircraft. This system has been fielded at the three Army Combat Training Centers.

Viney was also instrumental in leading the development of the [Advanced Integrated Electronic Combat System \(AIECS\)](#), a net-centric warfare solution that fuses information from electronic warfare sensors, tactical data links, and intelligence data to provide aircrews consolidated threat situational awareness and automated countertactics. AIECS is on track for operational fielding on C-130H aircraft this year.

More recently Viney established a team to develop, transition, and evaluate uncrewed aerial systems (UAS) mission systems. Viney and her team work across the military and with numerous vendors with the goal to support the warfighter in deploying the best-of-breed in military autonomy technologies.