

# Dixie Crow Special Topic Meeting

## Tuesday, 25 February 2025

**Time: 1230-1530**

**Microsoft Teams:**

[Join the meeting now](#)

Meeting ID: 993 749 725 777

Passcode: Vw2Qu9bn

Dial in by phone

[+1 410-874-6740,184691502#](#) United States, Odenton

Phone conference ID: 184 691 502#

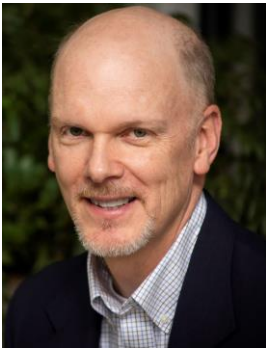


### *“EW - A Cat and Mouse Game for Spectrum Superiority”*

The Dixie Crow Chapter is happy to provide this venue via Teams for interested parties to gather to attend this complimentary AOC Dixie Crow Chapter Special Topic Event.

For this year’s training, Mr. Stilwell will draw from his knowledge of radar and Mr. Caruso will draw from his knowledge of EW to present the history of the “cat and mouse” between the two. They will brief the advancements in radar technologies over the years, including electronic protection (EP) mechanisms, and how EW counter measures advanced to combat these radar improvements.

### **Presenters : Mr. Kevin Stilwell & Mr. Tristan Caruso**



Kevin Stilwell has spent the last 42 years working in the Electronic Warfare (EW) problem domain. For most of those years he has worked in and alongside the Electronic Warfare Avionics Integration Support Facility (EWAISF) at Robins AFB. This experience afforded him the roles of systems and software engineer on several Air Force EW systems such as the ALQ-99, ALE-47, ALR-69, ALQ-172, and most currently, the ALQ-161. He was also a principal architect for three (3) EW systems’ mission data software suites. Additionally, he has architected development programs for two radar simulators and one radar emulator. Currently, Mr. Stilwell’s role is as a technical advisor to the EWAISF’s Test and Evaluation (T&E) integrated product team (IPT). He assists the T&E IPT in the development, assessment, and utilization of their new high-fidelity closed-loop radar models and associated integrated air defense system (IADS) emulations.

Mr. Stilwell is a graduate of the Georgia Institute of Technology with a Bachelor’s degree in electrical engineering. He also received a master’s degree in software engineering from Mercer University. He is currently employed as a Systems Engineer Subject Matter Expert (SME) at Peraton.



Tristan Caruso holds a Bachelor of Science degree in Electrical Engineering from Florida International University, which he earned in December 2008. He has also obtained two Master's degrees, one in Software Engineering and the other in Military Operational Art and Science. Throughout his career, Mr. Caruso has demonstrated expertise in electronic warfare, having led numerous high-profile software and hardware development programs for various Electronic Warfare (EW) systems integrated into multiple aircraft platforms, including the B-1, B-52, F-15, F-16, A-10, and A/MC-130J.

Notably, Mr. Caruso has served as the Systems Engineering Section Chief in the C-17 program office, where he successfully completed over 40 airworthiness assessments for the C-17 platform. Additionally, he held the position of Engineering Branch Chief in the Advanced Medium Range Air-to-Air Missile (AMRAAM) program office, overseeing an annual production budget exceeding \$1.2 billion.

Currently, Mr. Caruso serves as the Chief Engineer for the Combat Avionics Division, where he provides technical oversight for a range of precision, navigation, and timing (PNT) systems, including the Resilient Embedded Global Positioning System/Inertial Navigation System (R-EGI). He also directs technical efforts for advanced targeting pods, such as Litening and Sniper. With his comprehensive background in electrical engineering, software engineering, and electronic warfare, Mr. Caruso brings a unique combination of technical expertise and leadership experience to his current role.