



ROBERT ZANZALARI

Bob Zanzalari concluded his career as Associate Director of the Communications-Electronics Research, Development and Engineering Center, where he was instrumental in establishing the Center's comprehensive Science and Technology (S&T) portfolio. His leadership encompassed strategic programs supporting thrusts in C5ISR (Cyber, Command & Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance) technologies and systems across multiple life cycle stages.

Mr. Zanzalari is widely recognized as a subject matter expert in platform survivability, having served for 18 years in key roles including Division Chief, Branch Chief, and Project Leader within the Electronic Combat Division of the Intelligence and Information Warfare Directorate. The division's programs addressed both on-board and off-board survivability systems, including radar, laser, electro-optic, infrared warning, and countermeasure systems. He oversaw S&T and R&D activities focused on advancing Integrated ASE concepts designed to provide

aircrew with a comprehensive threat picture and assessment of countermeasure effectiveness. His technical contributions included innovation in subsystem technologies, such as developing advanced power amplifiers for electronic countermeasures, antenna technologies to enhance frequency range coverage, and the development and validation of electronic countermeasure techniques through laboratory and flight testing against emerging threat systems.

Mr. Zanzalari served as the inaugural Project Leader and Concept Developer for the AN/ALQ-211 Suite of Integrated RF Countermeasures, acting as systems engineer and technical lead for both the Advanced Development (\$125M) and Engineering Manufacturing Development (\$175M) programs. He was also a key contributor to the Defense Advanced Research Project Agency (DARPA) MIMIC program, which played a pivotal role in advancing research in materials, device design, integration, and manufacturing, thereby driving progress in solid-state electronics. His responsibilities included providing technical requirements and comprehensive assessments for the application of fundamental technologies in system solutions, notably the ALQ-211, whose development was made possible by these technological advances.