EW Asia 2020

Vacuum Electronic Devices (VEDs):

Innovation to Power Advanced Electronics

Panel Discussion





Introduction

- Technological innovations for higher power in smaller systems combined with millimeter wave devices are in high demand.
- Defense and industry leaders must rethink outdated and disproven assumptions that discourage innovation.
- Pursuit of EMS Superiority is underpinned by the reliability and efficiency of component technology.
 - Industrial capacity
 - Supply chain infrastructure
 - Intellectual capital
 - Investment / Innovation
- We need a "best of technologies" approach to mitigate risk and provide insurance against failure (or delays) in development & fielding of systems.



Overview

- Moderator
 - Ken Miller, Director of Advocacy and Outreach, Association of Old Crows (AOC)
- Panelists
 - Mr. Malcom Carruthers, Vice President, Power and Microwaves, Photonis Defense
 - Colonel Eric Shafa, US Air Force, CSAF Chair and Assistant Professor, the Dwight D. Eisenhower School for National Security and Resource Strategy, National Defense University
 - Mr. Chuck Blank, Director, Business Development for Aeronautics, Terma North America, Inc.



Panel Discussion Takeaways

- To properly identify new threats and determine requirements of future EW systems is to look and listen to our peer competitors.
- We must pursue policies that strengthen an increasingly complex defense industrial base supply chain.
- The diminishing appetite for investment in VEDs and other component technologies is more about culture, understanding, expertise than resources and performance.
- We must examine competing priorities to better understand how capitalize on incentives and investment that will spur innovation
- DoD cannot discount investment in advanced technologies, including VEDs, knowing what our peer competitors are pursuing to leverage our vulnerabilities.
- We need a "best of technologies" approach to mitigate risk and provide insurance against failure (or delays) in development & fielding of systems.
- Challenges of a complex EMS environment in the Asia/Pacific region call for investment in systems and capabilities to provide better jamming, self-protection, and reduce pilot task saturation.



More information on AOC Advocacy & IPPs:

https://www.crows.org/advocacy

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