

Wednesday, February 15, 2023

10:10 AM – 10:30 AM

Autonomy, AI, Computer Vision, and ML - Defining the Battlefield of the Future

Mike Mattis

Senior Director of Naval Industries

Anduril Industries

Abstract:

Autonomy, artificial intelligence (AI), computer vision, and machine learning are defining the battlefield of the future. China and Russia are rapidly adopting these capabilities and developing autonomous and unmanned systems to undermine America's strategic military advantage. In the face of this change, the United States and our allies must maintain technological supremacy to deter and defeat adversaries. Our ability to do so largely depends on DOD's capacity to pivot to a software first, hardware second strategy. From the ability to efficiently upgrade products to allowing a single operator to man multiple systems, autonomy and a software first approach are critical to transforming the defense industrial base and equipping warfighters with every advantage. Anduril, a leader in AI and autonomy, is committed to arming the warfighter with decisive technology in months, not years. As a software-defined systems provider, Anduril takes a new approach, offering integrated systems that can be updated quickly to stay ahead of emerging threats. Join Mike Mattis, Senior Director of Naval Industries at Anduril Industries, for a conversation on the following:

1. Anduril's Lattice OS solution to JADC2
2. How a software first approach can efficiently evolve products over time without significant hardware impacts
3. Autonomy's role in allowing a single operator to make smarter, faster, and better decisions within many unmanned systems
4. The value of cost-effective, commoditized, expendable unmanned systems
5. The end-to-end kill-chain focused approach to solving warfighter problems