

Peer competition is not an operational phase in some future conflict. It exists today as a strategic reality, across multiple domains of operation, in varying degree of execution. Space is no longer an uncontested domain. Cyber threats proliferate and present active and daily risks to the security of our national interests. In the land, sea and air domains, our potential enemies advance competing capabilities, eroding US advantages. The homeland is no longer the same sanctuary from which in the past we projected and sustained national power.

Our adversaries have studied our military strengths in detail, and their advancements in technology and conceptual doctrine make it clear they will not let us gain the advantages we enjoyed in the past. Army Chief of Staff, General Milley has stated the problem directly: “The military problem we face is defeating multiple layers of stand-off in all domains in order to maintain the coherence of our operations.”

Fundamentally, freedom of maneuver must be gained and maintained, in both the physical and cognitive sense. An enemy cannot be allowed to defeat us, one domain at a time.

Approaches to these Multi-Domain operations by different Services, agencies, and organizations vary according to inherent strengths of each actor and unique, domain specific characteristics. Regardless, capabilities must be rapidly integrated, even converged, to achieve the cross-domain synergy that creates cascading dilemmas across all domains for the enemy. Defining Multi-Domain Command and Control is an essential, vital step toward success in securing the Nation’s security, today and in the future.

MILCOM 2019 will address the technical and operational challenges inherent in Multi-Domain Command and Control. Norfolk, Virginia is the ideal location to bring the ideas and interests of the key players in this national effort together. All Services and key national and international organizations have a senior presence in Tidewater. Critical homeland infrastructure is broadly present.

MILCOM offers senior military and industry leaders along with distinguished researchers the platform to describe the problems and solutions underlying coordinated action in multiple domains. Keynotes, panels, presentations and focused networking insure all will have a voice and a role in addressing the theme of this event. Join in this critical conversation, unique convening, and important event as government, industry and academia help define Multi-Domain Command and Control!

PROBLEM STATEMENTS

1. How are strategic intentions translated into operational plans and directions across domains?
2. What enterprise capabilities, communication channels, data sources, and network means are needed?
3. How are key cyber, network, data, and system attributes defined, managed and assured?
4. How do we best leverage existing Joint, Combined, and Service capabilities and experience?
5. How can technology, training, and education help?

UNCLASSIFIED TECHNICAL PROGRAM

- ◆ **TRACK 1** - Waveforms and Signal Processing
- ◆ **TRACK 2** - Networking Protocols and Performance
- ◆ **TRACK 3** - Cyber Security and Trusted Computing
- ◆ **TRACK 4** - System Perspectives
- ◆ **TRACK 5** - Big Data and Machine Learning for Tactical Networks

The [Provisional Program](#) is now available!