

Peer competition exists today as a strategic reality, across multiple domains of operation, in varying degrees 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 U.S. advantages.
- Even the **homeland** no longer offers the same sanctuary from which the United States can project and sustain national power as it has in the past.

Our adversaries have studied our military strengths in detail, and their advancements in technology and warfighting concepts make it clear they seek to prevent us from exploiting the advantages we enjoyed in the past. General Mark Milley, incoming chairman of the Joint Chiefs of Staff, stated the complex issue the U.S. confronts today quite simply: *“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, command and control must ensure this coherence and enable freedom of maneuver in both the physical and cognitive sense. An enemy cannot be allowed to defeat us one domain at a time.

The services, COCOMs and support agencies approach operations across all domains differently based on their inherent strengths and unique domain-specific characteristics. Regardless, their capabilities must integrate more rapidly to build cross-domain synergy and cascading dilemmas that continually deter and, if necessary, defeat a potential enemy.

**MILCOM 2019 will address the technical and operational challenges inherent in defining command and control across all domains.** Norfolk, Virginia, is the ideal location to bring together the ideas and interests of the key players in this national effort. All services, NATO, and many national and international businesses have a senior presence in Tidewater.

Through speakers, panel discussions and networking, MILCOM 2019 offers attendees the opportunity to understand and explore the problems and solutions underlying “coherence of our operations” and coordinated action across all domains.

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## 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!