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3:30 PM – 3:50 PM

***Boosting Tactical Network Performance and Cyber Resilience with a Modern Approach to Testing***

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Abstract:

The rapid evolution of digital networks and cybersecurity threats poses significant challenges to defense organizations and civilian agencies whose success hinges on reliable communication systems and robust cybersecurity defenses. Validating the performance of these mission-critical systems under real-world conditions is essential—but often difficult. This session will introduce a modern, easy-to-use approach to performance testing that empowers government agencies and the military to evaluate and optimize networks in a controlled, repeatable lab environment before deployment. During this session, we will explore how to:

- Simulate real-world network impairments like latency, bandwidth constraints, and adverse weather.
- Generate high-scale, realistic traffic to measure performance metrics and validate Quality of Service (QoS).
- Combine legitimate application traffic with simulated malicious attacks to strengthen cyber defenses.

Reliable, repeatable testing can harden tactical communications, validate DDoS defenses, and optimize network performance. Join us to learn how our technologies are enabling a new era of secure, resilient, and high-performing mission-critical systems for today's complex threat environment.