

**BIENNIAL HELICOPTER MILITARY OPERATIONS AND TECHNOLOGY MEETING**  
**HELMOT XVIII**  
**OCT. 24-25, 2018**

*Sponsored by the Hampton Roads Chapter*

<u>Time</u>	<u>Subject</u>	<u>Speaker</u>
<b><u>Tuesday, October 23, 2018</u></b>		
0800-1700	<b><i>US Army AMRDEC ADD Classified @ Jacobs Conference Center, Joint Base Langley Eustis, VA</i></b>	POC: Mr. Scott Butler, US Army, AMRDEC ADD scott.a.butler46@mail.mil

**HELMOT XVIII**

**Theme:** *Transformational Technologies and Their  
Application to the Vertical Lift Battlespace*

**Tuesday, October, 23 2018**

1630-1800	Early Registration	AHS HRC
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<u>Time</u>	<u>Subject</u>	<u>Speaker</u>
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**DAY #1** **Wednesday, October 24, 2018**

0700-1700	Registration and Exhibits	AHS HRC
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0700-0750	Coffee in Exhibit Hall	AHS HRC
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0755-0800	Welcome to HELMOT XVIII - Day 1	Mr. Marty Walsh HELMOT XVIII General Chairman, US Army AMRDEC ADD, Associate Director for Mission Systems.
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0800-0830	<b>Keynote Speaker</b>	<b>BG Walter T. Rugen, US Army Director, Future of Vertical Lift Cross Functional Team</b>
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**Session #1 - Unmanned Operations**

0835-0845	Session Introductions	Ms. Sara Condon Session Chair, US Army AMRDEC ADD, Technical Lead for Avionics and Networks.
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0845-0915	US Army Requirements for UAVs, Teaming, and Autonomy (Invited Presentation)	TBD
0915-0945	NexGen Tactical UAS Technology Demonstrator - Advanced UAS in a Near Peer Environment	MAJ Michael Osmon, AMRDEC-ADD, PM NexGen TUAS Tech Demo
0945-1000	Break	
1000-1030	Advanced Cockpit Interface	Mr. Tim Flynn, Engineer, PeopleTech, Synergistic Unmanned Manned Intelligent Teaming (SUMIT) Project Office
1030-1100	Locust Swam (Invited Presentation)	TBD
1100-1130	York County Fire Department UAV Operations	Chief Chris Sadler, York County Fire Department
1130-1135	Session Wrap-up	Ms. Sara Condon Session Chair, US Army AMRDEC ADD, Technical Lead for Avionics and Networks.
1135-1300	Lunch - On Your Own	
<b>Session #2 - Ummanned Operations</b>		
1300-1305	Session Introductions	Mr. Tim Condon Session Chair, US Army AMRDEC ADD, Technical Lead for Autonomy and Teaming.
1335-1405	Joint Tactical Aerial Resupply Vehicle Project (Invited Presentaiton)	TBD
1405-1435	SCORCH: A Supervisory Control Interface for the Employment of Multiple UAS in Manned-Unmanned Teaming Operations	Dr. Grant Taylor, Engineering Research Psychologist, AMRDEC ADD Human-Systems Interface Technical Area
1435-1505	Break	

1505-1535	Air Launch of Altius Fixed-Wing UAV from UH-60 Helicopter	Dr. Nicholas Alley, Chief Executive Officer, Area-I, Inc.
1535-1605	Autonomous Aerial Cargo / Utility System (AACUS)	Mr. Dennis Baker, Office of Naval Research.
1605-1635	Coast Guard UAV Ops	LCDR Stephen T. Baxter, USCG, Aviation Forces, CG-7114, UAS Medium-Range Platform Manager.
1635-1705	Tactical UAS - Operation Inherent Resolve (Mosul, Iraq)	John H. Northrop and Associates, Inc.
1705-1720	Session Wrap-up / Announcements	Mr. Tim Condon Session Chair, US Army AMRDEC ADD, Technical Lead for Autonomy and Teaming.
1720-1730	Day # 1 - Closing Remarks	Mr. Marty Walsh HELMOT XVIII General Chairman, US Army AMRDEC ADD, Associate Director for Mission Systems.
1800-	AHS-HRC Social. Oozlefinch Craft Brewery, 81 Patch Rd. Fort Monroe, VA. Food Catered by County Grill & Smokehouse.	AHS HRC

**DAY #2**

**Thursday, October 25, 2018**

0700-1700	Registration and Exhibits	AHS HRC
0700-0750	Coffee in Exhibit Hall	AHS HRC
0755-0800	Welcome to HELMOT XVIII - Day 2	Mr. Marty Walsh HELMOT XVIII General Chairman, US Army AMRDEC ADD, Associate Director for Mission Systems.

**Session #3 - Operational Enablers**

0800-0805	Session Introductions	Mr. Jay Kiser Session Chair, US Army AMRDEC ADD.
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0805-0835	Optimally Crewed Vehicle	William H. Huff IV, Senior Consultant, John H. Northrop and Associates, Inc.
0835-0905	Degraded Visual Environment - Mitigation	Mr. Allen Walker US Army AMRDEC ADD, Deputy Program Manager for Degraded Visual Environment - Mitigation S&T Program
0905-0935	Black Hawk Crew Mission Station	Mr. Matthew Lawrence, US Army AMCOM, Engineer, Utility Helicopters Futures Team
0935-1000	Break	
1000-1030	TBD	TBD
1030-1100	Autonomous and Robotic Remote Refueling Point (AR3P)	Mr. William P. Nikonchuk, U.S. Army AMRDEC, Team Lead for Models and Studies.
1100-1130	Emerging Technologies for Manned Unmanned Teaming	Mr. Brad Nueville, Advanced Programs Mgr., Rockwell Collins
1130-1135	Session #3 Wrap-up	Mr. Jay Kiser Session Chair, US Army AMRDEC ADD.
1135-1300	Lunch - On Your Own	
1300-1305	<b>Session #4 - JMR Program</b>	Mr. Ned Chase, Session Chair, US Army AMRDEC ADD, Chief of Engineering for Joint Multi-Role Technical Demonstration.
1305-1335	JMR Program Office Update	Mr. Ned Chase, US Army AMRDEC ADD, Chief of Engineering for Joint Multi-Role Technical Demonstration.
1335-1405	Army Requirements for FVL (Invited Presentation)	TBD
1405-1435	Sikorsky / Boeing Team - Defiant (Invited Presentation)	TBD

1435-1505	Break	
1505-1535	Bell Helicopters - V-280 Update (Invited Presentation)	TBD
1535-1605	AVX (Invited Presentation)	TBD
1605-1635	Karem (Invited Presentation)	TBD
1635-1705	Comprehensive Architecture Strategy	Mr. "Opus" Padilla, Senior Engineer, CRL Technologies, Inc.
1705-1720	Session #4 Wrap-up / Announcements	Mr. Ned Chase, US Army AMRDEC ADD, Chief of Engineering for Joint Multi-Role Technical Demonstration
1720-1800	HELMOT Wrap-up/Closing Statements	Mr. Marty Walsh HELMOT XVIII General Chairman, US Army AMRDEC ADD, Associate Director for Mission Systems.

**Save the Date – Propulsion Technical Meeting**  
**October 23-25, 2019**  
**Hampton/Newport News, Virginia USA**