



20th HELICOPTER MILITARY OPERATIONS TECHNOLOGY (HELMOT XX) MEETING

"Vertical Lift Transformation Enabling Concepts"
Sponsored by VFS Southeast Region and Hampton Roads Chapter

Agenda

Newport News Marriott at City Center – Pearl Ballroom

Wednesday, 4 December 2024		
Time	Subject	Speaker/POC
1000 - 1600	Registration Desk Open: Pearl Ballroom Foyer	Julie Gibbs, VFS HQ
1200 - 1315	<i>Lunch: Pearl Ballroom</i>	Complimentary for Attendees
1315 - 1320	Welcome to HELMOT XX - Day 1	Mr. Ron Salyer, HELMOT XX General Chair, JHNA
1320 – 1325	VFS Hampton Roads Chapter Welcome	Ms. Susan Gorton, VFS HRC
1325 - 1335	VFS Headquarter Overview	Mr. Angelo Collins Executive Director, VFS
1335 - 1435	Keynote Speaker	COL Justin Highley, US Army DEVCOM AvMC, Ft. Eustis, VA
Session 1: Autonomy Updates		
1435 - 1440	Session Introductions	Mr. Justin Peterson, Session Chair, USfalcon
1440 - 1510	Mission Adaptive Autonomy	Mr. Carl Ott, US Army DEVCOM AvMC
1510 - 1540	<i>PM Refreshment Break</i>	Refreshments for Attendees
1540 - 1610	USAF Autonomous Collaborative Platforms	Mr. Doug Meador, AFRL Aerospace Systems
1610 - 1640	Exploration of Operational Effectiveness of Autonomous VTOL Aircraft Systems	Mr. Ron Salyer, JHNA
1640 - 1710	Launched Effects Update	Mr. Tim Gearhart, PM Unmanned Aircraft Systems
1710 - 1715	Session Wrap-up	Mr. Justin Peterson, Session Chair, USfalcon
1715 - 1720	Day 1 - Closing Remarks	Mr. Ron Salyer, HELMOT XX General Chair, JHNA
1800 - 2000	<i>VFS-HRC Social: BBQ + Sides, Non-alcoholic Beverages from County Grill (Complimentary)</i>	<i>Tradition Brewing Company: 700 Thimble Shoals Blvd. #100, Newport News, VA 23606</i>

HELMOT Exhibitors



Thursday, 5 December 2024

Time	Subject	Speaker/POC
0700 - 0800	<i>Continental Breakfast (Registration Open)</i>	Breakfast for Attendees
0755 - 0800	Welcome to HELMOT XX - Day 2	Mr. Ron Salyer, HELMOT XX General Chair, JHNA
Session 2: Modular Open Systems Approach (MOSA)		
0800 - 0805	Session Introductions	Mr. Marcell Padilla, Session Chair, CRL Technologies
0805 - 0835	PEO Aviation on MOSA Conformance	Mr. Scott Dennis, US Army CCDC AvMC, PEO Aviation
0835 - 0905	Open-System Verification Demonstration	Mr. Bill Jacobs, PM FARA
0905 - 0935	PYRAMID: Collaboration and Adaptability through the Application of an Avionics Reference Architecture and Modular Open Systems	Mr. Mike Lane, RAF Rapid Capabilities Office, UK MOD
0935 - 1000	<i>AM Refreshment Break</i>	Refreshments for Attendees
1000 - 1030	ALE Payload Data Models	Mr. Gordon Hunt, Skyl
1030 - 1100	Mission System Flying Test Bed (MSFTB) Overview	Mr. Mark Wralstad, CRL Technologies
1100 - 1105	Session Wrap-up	Mr. Marcell Padilla, Session Chair, CRL Technologies
1105 - 1300	<i>Lunch On Your Own</i>	
Session 3: Human-Machine Interface		
1300 - 1305	Session Introductions	Mr. Rob Morony, Session Chair, JHNA
1305 - 1335	Trades Talk: Supporting Trade Space Analysis to Maximize Human-technology Performance	Ms. Katie Ernst, Applied Decision Science
1335 - 1405	IMPRINT Human Performance Modeling for Army Aviation	Mr. Scott Scheff, HF Designworks, Inc.
1405 - 1435	Human-Machine Interface for Autonomous Aviation Teaming	Nicholas Kleiner, DCS Corp
1435 - 1500	<i>PM Refreshment Break</i>	Refreshments for Attendees
1500 - 1530	Warfighter Performance Group Capabilities at the U.S. Army Aeromedical Research Lab	Dr. Bethany Ranes, US Army Aeromedical Research Lab
1530 - 1600	Holistic Mission Management Research	Dr. Tom Alicia, US Army DEVCOM AvMC
1600 - 1630	Airworthiness Considerations for HMI	Bob Copeland, US Army DEVCOM AvMC
1630 - 1635	Session Wrap-up	Mr. Rob Morony, Session Chair, JHNA
1635 - 1640	VFS Hampton Roads Chapter Upcoming Events	Mr. Ming Lau, VFS HRC
1640 - 1650	HELMOT XX Wrap-up / Closing Statements	Mr. Ron Salyer, HELMOT XX General Chair, JHNA

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