



## VFS Handling Qualities Meeting Agenda January 22-23, 2025

Wednesday, January 22, 2025	
0730-1200	<b>Attendee Registration</b>
0730-1200	<b>Presentation Material Drop-off for Authors</b>
0800-0815	<b>Welcome by Chapter President – Dr. David O'Brien</b>
	<b>Meeting Objectives by General Chair – Mr. Scott Smith</b>
0815 - 0900	<b>Opening Keynote: COL Ryan C. Nesrsta, US Army, Program Manager, Utility Helicopters</b> <i>Path Forward for UHPO &amp; Thoughts on Autonomy for the Enduring Fleet and FVL</i>
	<b>Session I: Test and Evaluation</b>
0900-0930	<i>A Comprehensive Overview of the Handling Qualities Studies Conducted in the Vertical Motion Simulator for the Advanced Rotorcraft Configuration Testing of Increased Capabilities</i> Tom Berger, Carl Ott, U.S. Army Combat Capabilities Development Command, AvMC
0930-1000	<i>Flight Loads and Aeromechanics Characterization of a Soft Inplane Hingeless Rotor Control System during Handling Qualities Testing</i> Marc Alexander, National Research Council of Canada
1000-1015	<b>Break</b>
1015-1045	<i>Preliminary Evaluation of Stability and Control of a Lift + Cruise eVTOL Configuration</i> Justin Martin, U.S. Army Combat Capabilities Development Command, AvMC
1045-1115	<i>Preliminary Findings from FAA sponsored Flight Tests of Handling Qualities Task Elements for VTOL Aircraft</i> Martin Shubert, Tiltrotor Flight Test Consulting LLC, Mike Jones, Systems Tech. Inc.
1115-1145	<i>Airbus H145</i> Carl Forsling, Airbus
1145-1245	<b>Lunch</b>
1245-1345	<b>Day 1 Keynote: SES Dr. Stephanie Reitmeier Director of the Software, Simulation, Systems Eng. Integration Directorate (S3I), US Army DEVCOM AvMC</b>
	<b>Session II – Flight Controls</b>
1345-1415	<i>Evaluation of Active Sidestick Failure Mode Handling Qualities</i> Tom Berger, U.S. Army Combat Capabilities Development Command, AvMC; Kevin Christensen, Seung Baik & John (Jack) Rominger, Bell Textron Inc., Sam Clark, IronMountain Solutions
1415-1430	<b>Break</b>
1430-1500	<i>An Analytical Study of Helicopter Handling Qualities Characteristics due to Active Force-Sensing Side-Stick Utilization</i> Marc Alexander, National Research Council of Canada
1500-1530	<i>Capital Architecture</i> Lyle Chamberlin, Near Earth Autonomy
1530-1600	<i>Handling Qualities for the Valiant</i> Larry French, Griffon Aerospace
1600-1800	<b>Social</b>

Thursday, January 23, 2025	
0730-1200	<b>Attendee Registration</b>
0730-1200	<b>Presentation Material Drop-off for Authors</b>
0830-0845	<b>Day 2 Welcome by Technical Chair – Mr. Eric Grigorian</b>
	<b>Session III: Human Factors</b>
0845-0915	<i>Human Factors System Safety Processes for Flight Director Modes</i> Tia Larsen-Calcano, PM FLRAA
0915-0945	<i>Apache Pilot Workload</i> COL Daniel Thetford, US Army, Program Manager, Apache Helicopter
0945-1015	<i>Handling Qualities MTEs Evaluation Methodologies in Preliminary Design of High-Speed Rotorcraft Configurations</i> Fabio Riccardi, Matteo Mamino, Matteo Pecoraro, Andrea Ragazzi, Leonardo Helicopters
1015-1030	<b>Break</b>
1030-1100	<i>PIO and Handling Qualities Prediction Using the USAFTPS Bjorkman PIO Data Set</i> Ed Bachelder, San Jose State University; Eileen Bjorkman, Air Force Test Center; Bimal Aponso, Federal Aviation Administration
1100-1130	<i>Usability Shortcomings in Department of Defense Funded Systems</i> Jerry Burpee, Intuitive Research
1130-1200	<i>Using Flight Dynamics Models to Support Helicopter Safe Separation Analysis</i> Chris Brackbill, U.S. Army Combat Capabilities Development Command, AvMC
1200-1300	<b>Lunch</b>
1300-1345	<b>Day 2 Keynote: BG David C. Phillips, US Army, Program Executive Officer, Aviation</b>
1400-1600	<b>Pilot Roundtable: BOGSAT</b> with Carl Ott, Alan Davis, Rodney Allison, BG David Phillips, COL Minor
1600 - 1615	<b>Closing – President, Redstone Chapter</b>

