AHS San Francisco Bay Area Chapter
Technical Seminar:

"Flight Testing of the Hub Mounted Vibration Suppressor and Zero Vibration Aircraft"

By

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Synopsis:
The Zero Vibration aircraft is a collaborative effort between Sikorsky, LORD, and the U.S. Army Aviation Development Directorate (ADD) to reduce the vibration of an H-60 Blackhawk with rotating and fixed frame active suppressors. The flight tests over the past four years of a prototype system comprising the Hub Mounted Vibration Suppressor and cabin mounted Circular Force Generators have demonstrated vibration suppression capability in steady and transient flight conditions. The lessons learned and technical challenges encountered will feed a production system and drive requirements of future suppression systems.

When: 2pm, Wednesday, September 21st, 2016
Where: NASA Ames Research Center, Building N-258, Rm 127

Light refreshments will be served

Biographies:
Jim DiOttavio is a Flight Test Engineer for the US Army Aviation Applied Technology Directorate (AATD). Jim joined AATD in 2008 as a member of the Rotors Team. He has worked as technical investigator for several programs advancing new technologies such as variable speed rotors, active rotors technologies, and compound rotorcraft concepts. He was lead project engineer for the Hub Mounted Vibration Suppressor flight test program for which the Sikorsky/LORD/AATD team won the 2014 American Helicopter Society Grover E. Bell Award. In 2014, he graduated from class 146 of the United States Naval Test Pilot School. Upon returning to AATD, Jim has been working the Sikorsky/LORD/AATD Zero Vibration Flight Test program and various other flight test efforts on H-60 aircraft.

Brendon Malovrh performs fundamental and applied research in the NASA LaRC 14- x 22-ft wind tunnel, acoustic field tests, and rotorcraft flight tests for AATD. His research includes the design of new test systems, flow control for reduced download and drag, vibration analysis, and acoustic detection. Prior to working for AATD, Dr. Malovrh developed new methods for modeling the behavior of smart materials as well as the analysis and alleviation of Blade-Vortex Interaction noise through active control mechanisms.

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