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The Puget Sound Chapter of AESS presents
The AirLaunch concept

Dr Ralph Ewig—AirLaunch LLC
6pm (light refreshments) for 6:30-7:30pm, Wednesday, May 28, 2008
(venue details over)

AirLaunch is a company focused on the concept of deploying launch vehicles from aircraft. There are many unique advantages (and some challenges) to air-launched rockets when compared to more conventional, ground launched systems. One propulsion technology that is highly synergistic with the air-launch approach is the use of vapor pressurization (VaPak) instead of conventional pump-driven rocket engines. This talk will give a summary of AirLaunch's development of the QuickReach launch vehicle and its propulsion technology, including the underlying physics and footage from full-scale testing.

Images courtesy www.airlaunchllc.com



To attend, **please RSVP no later than 27 May 2008** to Reece Lumsden at reece.h.lumsden@boeing.com

Speaker Bio: Ralph Ewig graduated from the University of Washington, Seattle, in 1995 with a Bachelor of Science in Aeronautics & Astronautics. He received his Master's at the same university in 1997 (specializing in plasma physics), and his PhD on interplanetary transportation systems in 2006. He has worked for Andrews-Space in the areas of launch vehicle design & analysis, provided consulting services to a number of clients including Blue Origin, t/Space, and AirLaunch as part of the Holder Consulting Group, and is currently lead engineer at AirLaunch for the modeling of VaPak propulsion systems and performance analyst of the AirLaunch QuickReach launch vehicle.



