

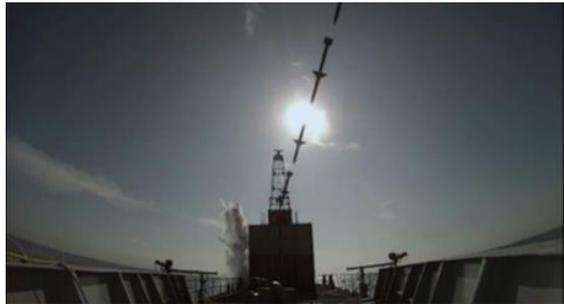
AIAA and ASME Awards Dinner Meeting

Wednesday, May 8, 2019

Enemy Air Defense Systems Don't Stand a Chance when Advanced Guided Missile is Knocking on your Door Austin Miller, Northrop Grumman Innovation Systems



The Advanced Anti-Radiation Guided Missile (AGM-88E) provides the U.S. Navy, U.S. Marine Corps, and Italian Air Force the latest and most advanced weapon system for engaging and destroying enemy air defenses and time-critical, mobile targets. AARGM is a supersonic, medium-range, air-launched tactical missile compatible with U.S. and allied strike aircraft, including all variants of the F/A-18, Tornado, and the EA-18G.



Designed to upgrade the AGM-88 High-Speed, Anti-Radiation Missile system (HARM), AARGM features an advanced, digital, anti-radiation homing sensor, millimeter wave (MMW) radar terminal seeker, precise Global Positioning System/Inertial Navigation System (GPS/INS) guidance, net-centric connectivity, and Weapon Impact Assessment transmit (WIA). Missile Impact Transmitter capability is available for approved customers. The missile offers extended-range engagement, as well as organic, in-cockpit emitter targeting capability and situational awareness.

AARGM-ER is the extended range version of AARGM currently under development. AARGM-ER utilizes the existing AARGM sensors and electronics, while upgrading the propulsion system and adding tail control for increased range and maneuverability. AARGM-ER will be compatible with the F/A-18E/F, EA-18G and internal carriage on the F-35.



Austin Miller is the Deputy Director of AARGM-ER (Advanced Anti-Radiation Guided Missile - Extended Range) for Northrop Grumman. Austin has been with Northrop Grumman (previously Orbital ATK) for over 15 years. Initially trained as a Guidance, Navigation and Controls (GNC) Engineer he designed and tested GNC algorithms for navigation, target tracking and track file management on the AARGM program. Austin holds a B.S. in Electrical Engineering and M.S. in Electrical Engineering from the University of Southern California and a B.A. in Natural Science and M.B.A. from Pepperdine University.

Location: The Great Wall Chinese Restaurant,
Phone: 818-996-8900
18331 Sherman Way
Reseda, CA 91335

Directions:
From 118 Freeway
Exit at Reseda Blvd. travel South for ~ 5.2 miles.
Turn Left onto Saticoy St. and Right on Etiwanda Ave.
Parking: In Rear (Corner of Etiwanda Ave / Cantlay St)

Schedule: Registration-Reception: 6:30 p.m.
Dinner: 7:00 p.m.
Awards followed by Key Note Presentation: 7:45 p.m.

From 101 Freeway
Exit at Reseda Blvd. travel North for ~ 2.5 miles
Turn Right onto Sherman Way and Left on Etiwanda Ave.
Parking: In Rear (Corner of Etiwanda Ave / Cantlay St)

Dinner: Chinese Family Style

Cost: Students- Free; All others - \$20. **Cash or Check at the door**

Reservations: E-mail: lois.terada@lmco.com, Phone: 661-572-6473

RSVP by Monday – COB Thursday, May 2, 2019