



Unmanned Aircraft Systems Conference

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Event	Unmanned Aircraft Systems Conference					
Begins	May 1, 2012	Ends	May 3, 2012	Papers	Ab.	UAV-C
Country	USA	State	VA	City	Arlington	.
Category	Government: Military	Category 2	Science: Aeronautics	Category 3	Science: Engineering	Exhibits Y
Organization	Contact					
URL	http://www.uaseast.com/					
Venue	Holiday Inn Rosslyn					

Agenda

MILITARY KEYNOTE:

“Perspective on Navy Way Forward for Unmanned Aircraft”

VICE ADMIRAL DAVID ARCHITZEL, US NAVY, Commander, Naval Air Systems Command

INDUSTRY KEYNOTE:

“The Next Generation of Unmanned Aircraft”

MR. DARRYL W. DAVIS, President, Phantom Works, Boeing Defense, Space and Security

I: EMERGING SERVICE AND GOVERNMENT MISSIONS, NEEDS & OPPORTUNITIES

“Army UAS Development and Procurement – The Road Ahead”

LIEUTENANT GENERAL WILLIAM N. PHILLIPS, US ARMY, Principal Military Deputy to the Assistant Secretary of the Army (Acquisition Logistics and Technology) and Director, Acquisition Career Management [invited]

“Unmanned Aircraft in U.S. Special Operations Command”

MAJOR GENERAL THOMAS TRASK, USAF, Director, Force Structure Requirements Resources & Strategic Assessments Center, U.S. Special Operations Command (USSOCOM/J8)

“Joint Staff Perspective on UAS Capability Needs and Future Roles”

REAR ADMIRAL WILLIAM K. LESCHER, US NAVY, Deputy Director, Resources and Acquisition, Force Structure, Resources & Assessment Directorate, Joint Chiefs of Staff (JCS/J8)

“U.S. NORTHCOM Perspective on Unmanned Aircraft Systems”

BRIGADIER GENERAL DAN HOKANSON, US ARMY, Deputy Director, Plans, Policy and Strategy, North American Aerospace Defense Command and U.S. Northern Command (USNORTHCOM/J5)

- USNORTHCOM Update on Airspace Integration (including the Joint Test/Quick Reaction Test)
- NORAD and USNORTHCOM Missions that Could use the UAS Capability

“Remotely Piloted Aircraft in Current and Future Air Force Operations”

BRIGADIER GENERAL PETER GERSTEN, USAF, Director, Plans and Programs Directorate, Air Combat Command (ACC/A5)

- Air Force RPA Update • Review of Operation 2009-2011 • Future AF RPA Roles and Missions

“USMC UAS Needs and Initiatives”

BRIGADIER GENERAL FRANK L. KELLEY, JR., USMC, Commander, Marine Corps Systems Command [invited]

“Current and Future Army UAS Needs and Vision – Balancing Demands”

COLONEL RICHARD KOUCHERAVY, US ARMY, Chief, Aviation Division, Force Development, Office of the Deputy Chief of Staff for Programs (G-8), HQDA

“OSD Unmanned Air Systems Roadmap”

MR. DYKE WEATHERINGTON, Director, UAS Planning Task Force, Office of the Under Secretary of Defense (Acquisition, Technology and Logistics)

“Canada’s UAV Experience 11/12 Successes, Challenges and Lessons Learned”

LIEUTENANT COLONEL DAVE PROTEAU, RCAF, Section Head, 1 Canadian Air Division/Canadian NORAD Region Headquarters A3 UAV

II: INITIATIVES, CHALLENGES AND TECHNOLOGIES FOR INTEGRATING UAS INTO THE NATIONAL AIRSPACE SYSTEM

“Incorporating UAS into the National Airspace System (NAS)”

COLONEL STEVEN PENNINGTON, USAF (ret), Acting Executive Director, DoD Policy Board on Federal Aviation & Director of Bases, Ranges & Airspace, Operations Directorate (A30), HQ USAF

“Latest FAA Initiatives and Challenges for UAS NAS Integration”

MR. RICHARD PROSEK, Manager, Unmanned Aircraft Program Office, AFS-407, Aviation Flight Standards, Federal Aviation Administration (FAA) and

MR. RANDY WILLIS, Manager, Unmanned Aircraft Systems Group, Air Traffic Organization, FAA

“UAS Sense & Avoid Technology Update”

MR. CARL MIKEMAN, Lead, UAS Airspace Access Team, Northrop Grumman Aerospace Systems

III: LATEST UPDATES ON KEY UAS PROGRAMS

“Global Hawk Program Update”

COLONEL KARL ROZELSKY, USAF, Program Director, RQ-4 Global Hawk System, Aeronautical Systems Center (ASC), Wright-Patterson AFB, OH

- Challenges with Interoperability – End-to-End Connectivity
- Review of Operation 2009-2011
- Successful Retirement of the Block 10 Systems
- Recent Fielding of the Block 30 Systems
- Challenges of High Altitude ISR (Temperature, Transition)
- Untapped Capabilities of the GH System
- Recent Humanitarian and Operational Missions
- Changing Requirements for ISR UAVs – How they Affect Development, Production & Sustainment

“Broad Area Maritime Surveillance Program Update”

MR. MARK KASSNER, Director, BAMS Unmanned Aircraft System, Northrop Grumman Aerospace Systems

• Overview • Mission • Conops • Configuration • Subsystem Capability • SDD Contract Progress Update • Summary

“T-Hawk – Combat Applications of VTOL Micro Air Vehicles”

DR. PRABHA GOPINATH, Director, UAS Systems, Honeywell Defense and Space [tentative]

“Skate Small UAS Program Update”

MR. CARL G. SCHAEFER, JR., Director, Small UAS Programs, Aurora Flight Sciences

- Skate UAS Development and Test
- CONOPS for Skate M (Military) and Skate C (Commercial) Products
- Skate Payload Systems
- Challenges Associated with Flight Testing in Restricted and Unrestricted Airspace

“Update on NASA Small UAS Program”

MR. MICHAEL LOGAN, Head, Small Unmanned Aerial Vehicle Laboratory, NASA Langley Research Center

SPECIAL FOCUS:

“Emerging Trends and Opportunities for Unmanned Aircraft Systems”

MR. GUY BEN-ARI, Deputy Director and Senior Fellow, Defense-Industrial Initiatives Group, Center for Strategic and International Studies (CSIS)

IV: THE WAY FORWARD FOR UAS CARGO DELIVERY

“Future Vision for Army Unmanned Cargo Air Delivery Capability”

DR. VIC S. RAMDASS, Director, Logistics Innovation Agency, U.S. Army Logistics Directorate (G-4) [invited]

Description

“Autonomous Aerial Cargo/Utility System (AACUS) Program – The Next Step in Unmanned Cargo Delivery”

DR. MISSY CUMMINGS, Program Manager, Autonomous Aerial Cargo/Utility System (AACUS), Office of Naval Research (ONR)

- Unprepared Landing Site Selection and Execution
- Dynamic Contingency Replanning until the Point of Landings
- A Supervisory Control System that any Personnel can Operate
- An Open Architecture Approach to Promote Portability across Platforms

“Autonomous Sling-load Cargo Pick-up and Delivery Technology Update”

DR. RICHARD L. HARTMAN, CEO and Chief Scientist, Advanced Optical Systems

V: UAS ROLE IN THE COUNTER IED MISSION

“Task Force ODIN and Attacking the IED Network”

COLONEL KEITH HIRSCHMAN, US ARMY, Project Manager, Aerial Common Sensor (ACS), Program Executive Office for Intelligence, Electronic Warfare & Sensors (PEO IEW&S)

“Buckeye UAS Sensor Update”

MR. JEFFREY SMITH, President and Chief Executive Officer (CEO), Flight Landata [invited]

“Training High Altitude UAS Operators to Detect IEDs”

MR. GARY DEYOUNG, President, Battlespace Simulations, Inc.

- Capabilities of a Robust UAS Simulation
- Simulating Realistic Entity Interactions
- Common Limitations
- MACE (Modern Air Combat Environment) and VRSG (Virtual Reality Scene Generator) Demo

VI: UAS TRAINING AND CREW RESOURCE MANAGEMENT CHALLENGES AND INITIATIVES

“Way Ahead for Air Force UAS Training”

LIEUTENANT COLONEL CASEY “SKID” TIDGEWELL, USAF, Chief, CAF and ISR Branch, Operational Training Division, Directorate of Operations (A3O), HQ USAF

- Describe RPA Pilot/Sensor Operator Career Field Composition
- Detail RPA Aircrew Training Pipeline
- Outline Air Force RPA Training Infrastructure and Capacity
- Describe Mission Sets Taught in Each Training Phase
- Explain RPA Upgrade Training Flow

“UAS Operators and Autonomy and How to Blend the Attributes of Both”

MR. MICHAEL KEATON, Senior Manager, Business Development, Raytheon

“Air Force RPA Beta Class Training”

MR. ROBERT CUSHING, Managing Director, MQ Operations, Crew Training International (CTI)

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