

Unmanned Systems (UxS) Symposium

Maritime - Air - Ground

April 16-17, 2018 Arlington, VA

DAY ONE: Monday, April 16, 2018

PRESENTATION TOPIC

9:00-9:10

Administrative Announcements

9:10-9:40

U.S. Army Research & Technology Keynote



DR. THOMAS RUSSELL, SES

Army Chief Scientist, Deputy Assistant and Secretary of the Army,
(Research and Technology)

“Unmanned Combat Systems R&D
Capabilities for the Warfighter”

9:40-10:10

U.S. Army TARDEC Keynote



DR. ROBERT (BOB) SADOWSKI, SES,

Army Chief Roboticist, U.S. Army Tank Automotive Research,
Development and Engineering Center (TARDEC)

“Advancements in Unmanned Ground
Vehicle Systems Platforms & Capabilities”

10:10-10:40

LTC STUART HATFIELD (USA ret)

Robotics Branch Chief, Force Development
Directorate (FDD), Army G-8

“Cutting-Edge Unmanned Ground &
Robotics technologies & Testing for
the Warfighter”

10:40-11:10

Networking Break

11:10-11:40

DR. STEVEN ROGERS

Senior Scientist for Automatic Target Recognition and Sensor
Fusion, Air Force Research Laboratory, (AFRL) WPAFB

“UxS Robotics Systems: Innovations in AI
& Machine Learning”

11:40-12:10

CAPT TED VENABLE, (USN ret)

CNT/UAS Program Manager at Commander, U.S. Naval Forces
South & CDR, U.S. 4th Fleet Counter Illicit Trafficking PM

“U.S. Fourth Fleet Update:
Theater of Innovation and UAS in the
Maritime Environment”

12:10-1:30

Lunch Break

1:30-2:00

COLONEL JAMES FREY, USMC

HQMC Aviation APX-1, Headquarters, U.S. Marine Corps

“Marine Unmanned Expeditionary (MUX)
Air & Ground Taskforce Capabilities”

2:00-2:30

MR. DENNIS G. SPARKS

Chief, Technical Management Division, Unmanned Aircraft
Systems Project Office, U.S. Army

“Army Project Office UAS Update: Tactical
Readiness, Requirements & Capabilities”

2:30-3:00

CAPTAIN CLAYTON JAROLIMEK, USMC

UAS Capabilities Integration Officer, HQMC Capabilities
Development & Integration

“Current and Future USMC Capabilities”

3:00-3:30

Networking Break

3:30-4:00

MR. JAMSHAD “JD” CHAUDHRY

Scientist, Naval Surface Warfare Center Dahlgren Division
Littoral and Ship Self Defense Test & Evaluation Branch

“Creation of the Collaborative Aerial Net
work for the Autonomous Remote
Engagement Systems (CANARES)”

4:00-4:30

LTCOL PETER “PEPE” LEHEW (USAF-RET)

Trenchant Analytics, Director, Special Projects DARPA Adaptive
Execution Office SETA Contractor

“Trends in UAS From an Operators and
R&D Perspective”

4:30

Day One Adjournment

Unmanned Systems (UxS) Symposium

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DAY TWO: Tuesday, April 17, 2018

PRESENTATION TOPIC

9:00-9:10

Opening Administrative Remarks

9:10-9:40

MR. JEAN-CHARLES LEDÈ

Program Manager, Tactical Technology Office (TTO), Defense
Advanced Research Projects Agency (DARPA)

“Unmanned Systems at DARPA”

9:40-10:10

DR. BILL POWERS

Research Fellow, Potomac Institute for Policy Studies, Center
for Emerging Threats and Opportunities, Futures Assessment
Division, Center for Emerging Threats and Opportunities,
Marine Corps Warfighting Laboratory

“The Future of UxS Technology in the
Marine Corps”

10:10-10:40

MR. STEVE JONES

Senior Program Manager, XV-24A LightningStrike VTOL
X-Plane, Aurora Flight Sciences

“XV-24A LightningStrike VTOL X-Plane”

10:40-11:00

Networking Break

11:00-11:30

DR. HANS C. MUMM

Author & Entrepreneur, Futurist and Former Army
Intelligence Officer, Victory Systems

“Integrating Autonomous Systems; Drones-
Artificial Intelligence and the Human
Race...Can they Co-exist?”

11:30-12:00

MR. JAMES JOHANSEN

Director of Advanced Programs and Analysis Directorate, The
Aerospace Corporation

“CUAS Event Modeling, Simulation
& Analysis”

12:00-1:30

Lunch Break

1:30-2:00

MR. SCOTT COON

Strategy and Business Development, Major Programs,
Lockheed Martin Aeronautics Company (Skunk Works)

“UxS Platform Technologies for
the Warfighter”

2:00-2:30

DR. ADAM MACDONALD

Director, Business Development and Tactical Missile
Systems, AeroVironment

“Blackwing Multi-Domain
Tube-Launched UAS”

2:30-3:00

Brief Refreshment Break

3:00-3:30

DR. YI CHAO

Founder, SEATREC

“Energy Harvesting for Autonomous
Underwater Vehicles”

3:30-4:00

DR. MITCHELL ROHDE

Co-Founder & CEO, Quantum Signal LLC

“The Use of Modeling and Simulation in
Developing and Testing Mobile Robotics and
Unmanned Systems”

4:00

TTC Closing Comments & Adjournment