



NAVAL RESEARCH PROGRAM
NAVAL RESEARCH WORKING GROUP 17
18-20 APRIL 2017

MY.NPS.EDU/NRP



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“An active academic research program is vital to the quality of education provided to students, the attraction and retention of exceptional faculty members, and the provision of real-time, directly relevant deliverables to government sponsors.”

Ray Mabus

Former Secretary of the Navy

NAVAL RESEARCH PROGRAM OFFICE

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PURPOSE

Mission

The Working Group Meeting is a forum for Research Sponsors to communicate their research and analysis needs directly to NPS faculty and students. In-Progress Reviews (IPRs) are also conducted.

Intent

Provide a single, standard mechanism that allows the Navy and Marine Corps to interface and leverage a cost efficient organic research asset.

End State

A systematic, repeatable, and enduring partnership to support Navy and Marine Corps research objectives and make NPS research directly relevant to the Warfighter.

Working Group Input

Topic Sponsor and NPS Faculty Research Needs.

Working Group Output

- Draft Initial Research Estimate Form (IREF)
- Faculty & Student Relationships with Topic Sponsors
- Partnerships for Research Work

EVENT DESCRIPTION

Topic Sponsor Synch Session: The Naval Research Working Group 17 (NRWG) kicks off with the Topic Sponsor Sync Session. At this meeting, the Naval Research Program (NRP) staff will give an overview of the week's events, ensuring that sponsors know where they need to be and what they need to accomplish throughout the working group. The primary purpose of the Sync Session is to ensure that sponsors are prepared for a successful week.

NPS Lab Tours: Lab tours are an opportunity for Topic Sponsors to gain a more in depth understanding of the specific research lab capabilities at NPS. Lab tour attendance requires prior registration.

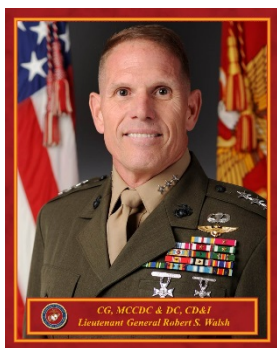
Social and Research Poster Session: Building on information gathered during the lab tours, the social and poster session is primarily an opportunity for our many Topic Sponsors to get a better idea of the breadth and depth of the research taking place at the Naval Postgraduate School. Our world-class faculty study the cutting-edge developments of operational Navies across the globe. Their research extends the reach of today's Naval services, whether underwater, on the surface, in the air, or orbiting the earth. Come see their research projects, ask them to share their expertise, and enjoy the informal social.

Research Tradeshow: During the main event Topic Sponsor Representatives will be assigned a tradeshow booth in the NPS McNitt Ballroom (replaces: plenary session and revolving panels) where they will be able to discuss research opportunities, the benefit(s) to the Services, and expected deliverables from the research. NPS faculty and students are invited to meet with sponsors during the tradeshow to discuss topics and begin scoping research to form an Initial Research Estimate Form (IREF) for topics they wish to research.

In-Progress Reviews (IPRs): Faculty members and students currently conducting research for sponsors who are in attendance during NRWG 17 should coordinate In-progress Reviews in laboratories and other relevant working spaces as they see fit.

Topic Sponsor Outbriefs and Hotwash: Topic Sponsor Outbriefs provide a formal opportunity for Topic Sponsors to give feedback of metric outcomes of the event to the NPS Dean of Research. The Topic Sponsor Hotwash is an informal discussion of the events and suggestions for improvements.

KEYNOTE SPEAKER



Lieutenant General Walsh was commissioned from the Naval Academy in May 1979. After completing The Basic School he was assigned as an infantry platoon commander in 1st Battalion, 7th Marines. He reported to Pensacola, FL and was designated a Naval Aviator in October 1981. Upon completion of an assignment to VT-26 as a Selectively Retained Graduate and the F-4 training syllabus, he was ordered to VMFA-115 at Marine Corps Air Station Beaufort, SC in

November 1983. While in VMFA-115 he transitioned to the F/A-18 Hornet, attended the U.S. Navy Fighter Weapons School, and made two deployments before assuming duties as a flight instructor at TOPGUN in 1987. He returned to MCAS Beaufort in January 1990 and was assigned to VMFA-251, making two WESTPAC deployments, and was selected as the 1st Marine Aircraft Wing Aviator of the Year. In July 1993, he reported to the 9th Marine Regiment as the Air Officer. He attended the Air Command and Staff College at Maxwell AFB before reporting to Headquarters, U.S. European Command, Stuttgart, Germany in 1995 where he served in the Plans and Policy Directorate. In 1998, he returned to MCAS Beaufort where he served as the Commanding Officer of VMFA-115 and deployed to both the European and Western Pacific Theaters. He graduated from the National War College in June 2002 with a Masters of Science in National Security Strategy. From there he served in the Aviation Department of Headquarters, U.S. Marine Corps. After his Branch head tour, Lieutenant General Walsh returned to MCAS Beaufort as the Commanding Officer of Marine Aircraft Group 31 from June 2004 to May 2006. Following command, he served as the Assistant Deputy Commandant for Aviation. In May 2008, Lieutenant General Walsh became the Commanding General of the 2d Marine Aircraft Wing and deployed to Operation Iraqi Freedom 09 as the Commanding General of the 2d Marine Aircraft Wing (Forward). In August 2010 he assumed the duties as the Director of Operations, United States Northern Command. In June 2012 he became the Deputy Commanding General, Marine Corps Combat Development Command. In July 2013, Lieutenant General Walsh assumed duties as Director, Expeditionary Warfare Division for the Chief of Naval Operations. In August 2015, Lieutenant General Walsh assumed his current duties.

TOPIC SPONSORS ORGANIZATIONS

There are over 30 Department of the Navy Topic Sponsor Organizations, representing over 250 topics at NRWG 17. A comprehensive list of all available research topics and specific Topic Sponsor contact information can be found on the NRP Topic Portal at: <https://my.nps.edu/nrp>.

NAVY

ASN Research, Development, & Acquisition (ASN RDA)
Commander, Naval Surface Force (CNSF)
Commander, U.S. Third Fleet (COMTHIRDFLT)
Commander, U.S. Seventh Fleet (COMSEVENTHFLT)
N1-Manpower, Personnel, Training & Education
N/N6 - Information Warfare
N3/N5-Information, Plans & Strategy
N4 - Material Readiness & Logistics
N8-Integration of Capabilities & Resources
N9 - Warfare Systems
Naval Air Systems Command (NAVAIR)
Naval Education & Training Command (NETC)
Naval Medical Research Unit - Dayton (NAMRU-D)
Naval Satellite Operations Center (NAVSOC)
Naval Sea Systems Command (NAVSEA)
Naval Special Warfare Command (NAVSPECWARCOM)
Naval Undersea Warfare Center (NUWC) Division, Keyport
Naval War College Center for Naval Warfare Studies (NWCCNWS)
Navy Expeditionary Combat Command (NECC)
Navy Tactical Exploitation of National Capabilities (TENCAP)
Office of Naval Research (ONR)
PEO Command, Control, Communications, Computers & Intelligence (PEO C4I)
Space and Naval Warfare Systems Command (SPAWAR)

TOPIC SPONSORS ORGANIZATIONS

MARINES

I Marine Expeditionary Force (I MEF)
HQMC Aviation (HQMC AVN)
HQMC Command, Control, Communications, and Computers (C4)
HQMC Installations & Logistics (I&L)
HQMC Manpower & Reserve Affairs (M&RA)
I Marine Expeditionary Force (I MEF)
II Marine Expeditionary Force (II MEF)
Marine Corps Forces, Pacific (MARFORPAC)
Marine Corps College of Distance Education & Training (CDET)
Marine Corps Combat Development Command (MCCDC)
Marine Corps Logistic Command (MCLC)
Marine Corps Logistics Operations Group (MCLOG)
Marine Corps Systems Command (MARCORSYSCOM)
Marine Corps Tactical Systems Support Activity (MCTSSA)
Marine Forces Cyberspace Command (MFCC)
Marine Forces Reserve (MARFORRES)

GUEST ORGANIZATIONS

University of California, Santa Cruz (UCSC)
Air Force Institute of Technology (AFIT)
Air Force Global Strike Command (AFGSC)
Army Space & Missile Defense Command (SMDC) / Army Forces Strategic Command (ARSTRAT)
Coast Guard - Pacific Area (USCG PACAREA)
Coast Guard Maritime Intelligence Fusion Center (USCGMIFC)
Coast Guard Research & Development Center (USCGRDC)
Lawrence Livermore National Laboratory (LLNL)

AGENDA OVERVIEW

NPS Naval Research Program - Naval Research Working Group 17						
	Mon, 17 Apr Day 1	Tues, 18 Apr Day 2	Wed, 19 Apr Day 3	Thurs, 20 Apr Day 4	Fri, 21 Apr Day 5	
0700	Topic Sponsor Travel Day	Topic Sponsor Sync Session (Herrmann Hall - EBC)			Topic Sponsor Travel Day	
0730						
0800		NPS Lab Tours (Various Locations)	Tradeshow (Herrmann Hall - McNitt Ballroom)	NPS Lab Tours & IPRS (Various Locations)		
0830						
0900						
0930						
1000						
1030						
1100						
1130						
1200	Lunch Break	Lunch Break	Lunch Break	Lunch Break		
1230	NPS Lab Tours (Various Locations)			Topic Sponsor Outbrief & Hotwash (Herrmann Hall - EBC)		
1300						
1330	Keynote Speaker (All hands in King Hall)		Tradeshow (Herrmann Hall - McNitt Ballroom)	No-host Social (Herrmann Hall - Trident Room)		
1400						
1430	Poster Session & Social (Herrmann Hall - McNitt Ballroom)					
1500						
1530						
1600						
1630						
1700						
1730						
1800						
1830						
1900						
1930						

In-Progress Reviews (IPRs) scheduled as necessary between Topic Sponsors, faculty, and students

LAB TOUR SCHEDULE

NPS Naval Research Program - Naval Research Working Group 17 Lab Tour Schedule	
TUESDAY 18, APRIL	THURSDAY 20, APRIL
0700	
0730	
0800	
0830	
0900	Sensor Research Lab
0930	Undersea Sensing Systems Lab
1000	MOVES Additive Manufacturing Lab
1030	Global ECCO Gaming Lab
1100	Human Systems Integration Lab
1130	Localization & Network Optimization Lab
1200	Engineering Enclave Maritime Security
1230	Lunch Break
1300	Topic Sponsor
1330	Outbrief & Hotwash (Herrmann Hall - EBC)
1400	
1430	
1500	No-host Social (Herrmann Hall - Trident Room)
1530	
1600	
1630	
1700	
1730	
1800	
1830	
1900	
1930	

TUESDAY 18, APRIL	THURSDAY 20, APRIL
0700	
0730	Topic Sponsor Sync Session (Herrmann Hall - EBC)
0800	
0830	
0900	Center for Network Innovation & Experimentation
0930	Virtualization/Cloud Computing & Coalition for Open-Source DA Lab
1000	MOVES Eye Tracking & Virtual Reality Labs
1030	SAVAGE Lab
1100	Autonomous Systems Engineering & Integration Lab
1130	Material Characterization Facilities
1200	Microsystems Fabrication Lab
1230	Systems Engineering Educational Labs
1300	Lunch Break
1330	NPS Warfare Innovation Continuum
1400	Global ECCO Gaming Lab
1430	Human Systems Integration Lab
1500	Karalov Lab
1530	Undersea Sensing Systems Lab
1600	Sensor Research Lab
1630	Break
1700	
1730	Keynote Speakers (All hands in King Hall)
1800	
1830	
1900	Break
1930	Poster Session & Social (Herrmann Hall - McNitt Ballroom)

In-Progress Reviews (IPRs) scheduled as necessary between Topic Sponsors, faculty, and students

KEY:

Bullard Hall
Glasgow Hall
Root Hall
Spanagel
Watkins Hall
Golf Course Annex
King Hall
Herrmann Hall

