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Naval Research Program and Events, visit:

<https://my.nps.edu/nrp>

or email the

NPS Naval Research Program Office at:


NPS_NRP_POC@nps.edu

The poster features a dramatic scene with a large aircraft carrier on the right, a stealth bomber in flight above it, and a submarine on the left. The background is a deep blue with white clouds. The text is centered and uses a mix of white and gold colors.

NAVAL RESEARCH PROGRAM
NAVAL RESEARCH WORKING GROUP 16-1
PROGRAM
21-24 MARCH 2016

PRAESTA

NAVAL POSTGRADUATE SCHOOL
MONTEREY, CA

Four circular logos are displayed at the bottom. From left to right: the Naval Research Program logo, the Department of the Navy logo, the Department of the Navy logo, and the NPS logo with the motto 'PRAESTANTIA PER SCIENTIAM'.

NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

AGENDA

| NPS Naval Research Program - NRWG 16-1 Agenda | | | | | |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------|
| | Mon, 21 Mar | Tues, 22 Mar | Wed, 23 Mar | Thurs, 24 Mar | Fri, 25 Mar |
| | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
| 0700 | | | | | |
| 0730 | Topic Sponsor Sync Session - Herrmann Hall EBC | | | | |
| 0800 | | | | | |
| 0830 | | | | | |
| 0900 | Intro: Welcome, Keynote Speakers - King Hall | Revolving Panel & Breakout Sessions - Dudley Knox Library IPRs | Revolving Panel & Breakout Sessions - Dudley Knox Library IPRs | Topic Sponsor Outbrief & Hotwash - Herrmann Hall EBC | |
| 0930 | | | | | |
| 1000 | | | | | |
| 1030 | | | | | |
| 1100 | | | | | |
| 1130 | | | | | |
| 1200 | | Lunch Break | Lunch Break | | |
| 1230 | | | | | |
| 1300 | | Revolving Panel & Breakout Sessions - Dudley Knox Library IPRs | Revolving Panel & Breakout Sessions - Dudley Knox Library IPRs | IPRs | |
| 1330 | | | | | |
| 1400 | | | | | |
| 1430 | | | | | |
| 1500 | | | | | |
| 1530 | | | | | |
| 1600 | | | | | |
| 1630 | | | | | |
| 1700 | | | | | |
| 1730 | Poster Session & Social - Herrmann Hall La Novia Room | | | Student, Faculty, Sponsor & Staff No-host Social - Herrmann Hall Trident Room | |
| 1800 | | | | | |
| 1830 | | | | | |
| 1900 | | | | | |
| In-Progress Reviews (IPRs) scheduled as necessary between Topic Sponsors, faculty, and students | | | | | |

“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
Secretary of the Navy

NAVAL RESEARCH PROGRAM OFFICE

Dean of Research

Dr. Jeffrey Paduan

Program Manager

Rodman Abbot, CAPT, USNR
(Ret.)

Military Associate Dean of Research

Col Mitch McCarthy, USMC

Deputy Program Manager

LtCol Lou Camardo, USMC

NRP National Capital Liaison

Bob Osterhoudt, CAPT, USN (Ret.)

Operations Manager

Cecelia Davis

Integration Lead

Lois Hazard

IT & Student Component Manager

Sadie Hastings

TOPIC SPONSOR ORGANIZATIONS

MARINES

3rd Marine Aircraft Wing (3rd MAW)

HQMC Aviation (HQMC AVN)

HQMC DC Programs and Resources (P&R)

HQMC Installations and Logistics (I&L)

HQMC Manpower and Reserve Affairs (M&RA)

HQMC Plans, Policies & Operations (PP&O)

HQMC Programs & Resources (P&R)

Marine Corps College of Distance Education & Training (CDET)

Marine Corps Combat Development Command (MCCDC)

Marine Corps Expeditionary Energy Office (E2O)

Marine Corps Logistic Command (MCLC)

Marine Corps Logistics Operations Group (MCLOG)

Marine Corps Modeling & Simulation Management Office (MCMSMO)

Marine Corps Systems Command (MARCORSYSCOM)

Marine Corps Tactical Systems Support Activity (MCTSSA)

Marine Corps Technology Services Organization (TSO)

Marine Expeditionary Forces (I, II & III MEF)

Marine Forces Cyberspace Command (MFCC)

Marine Forces Reserve (MARFORRES)

Marine Aviation Weapons and Tactics Squadron One (MAWTS 1)

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

TOPIC SPONSOR ORGANIZATIONS

There are over 50 Department of the Navy Topic Sponsor Organizations, representing over 200 topics at NRWG 16-1. A comprehensive list of all available research topics and specific Topic Sponsor contact information can be found on the Naval Research Program Topic Portal at:

<https://my.nps.edu/nrp>.

Please refer to the program insert for a detailed schedule of the topics to be presented.

NAVY

N1 - Manpower, Personnel, Training & Education

N2/N6 - Information Dominance

N3/N5 - Information, Plans & Strategy

N4 - Material Readiness & Logistics

N8 - Integration of Capabilities & Resources

N9 - Warfare Systems

Commander, Naval Surface Forces (CNSF)

Commander, Navy Installations Command (CNIC)

Commander, Seventh Fleet (COMSEVENTHFLT)

Commander, U.S. Pacific Fleet (COMPACFLT)

Deputy Undersecretary of the Navy (Management)

High Energy Laser Joint Technology Office (HEL-JTO)

Naval Air Systems Command (NAVAIR)

Naval Air Warfare Center Weapons Division (NAWCWD)

Naval Facilities Engineering Command (NAVFAC)

Naval Network Warfare Command (NETWARCOM)

Naval Satellite Operations Center (NAVSOC)

Naval Sea Systems Command (NAVSEA)

Naval Special Warfare Command (NSW)

Naval Surface Mine Warfare Development Center (SMWDC)

Naval Undersea Warfare Center (NUWC)

Navy Modeling and Simulation Office (NMSO)

Office of Naval Research (ONR)

Scientific Development Squadron ONE (VXS-1)

Space and Naval Warfare Systems Command (SPAWAR)

Strategic Systems Programs (SSP)

USS CHUNG-HOON (DDG 93)

EVENT DESCRIPTION

Plenary Session

During the Plenary Session, Topic Sponsors briefly introduce their organization and research topics. The intent is to provide NPS faculty and students an introduction to the topics and Topic Sponsors, with discussions to continue during individual Breakout Sessions and the scheduled Revolving Panel Sessions.

Revolving Panel Sessions

During the Revolving Panel Sessions, Topic Sponsors will have an assigned window to brief their topics in a small audience format. The intent is to provide NPS faculty and students with a greater in-depth discussion of topic details.

Breakout Sessions

Each Topic Sponsor presenting has an assigned breakout location, as specified on the program insert. NPS faculty and students are invited to meet with Topic Sponsors during Breakout Sessions to discuss topics and begin scoping research. Topic Sponsors manage their own Breakout Session schedules.

In-Progress Reviews (IPRs)

Faculty members and students currently conducting research for topic sponsors who are in attendance should schedule In-Progress Reviews during the afternoon in whatever location on campus best suits their needs. There is room available at Dudley Knox Library for In-Progress Reviews; however sponsors, faculty, and students are encouraged to schedule 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.

DR. MAURA SULLIVAN
CHIEF OF STRATEGY AND INNOVATION,
US DEPARTMENT OF THE NAVY



Dr. Maura Sullivan is the Chief of Strategy and Innovation at the US Department of the Navy (DON). She leads the organization responsible for the DON innovation strategy focused on succeeding in a future at the intersection of the physical and digital worlds. Prior to this she was a White House Fellow advising the Secretary of the Navy on emerging trends in information technology and energy and leading the restructuring of the DON CIO, business operations, and administrative organizations.

Previously, she led a strategic startup, within the global catastrophe risk company, RMS, charged with developing software and consulting solutions for managing complex systemic risks in life and health markets. She specialized in models that quantified the financial and insurance impact of excess mortality, including pandemics, terrorism, and natural disasters, and medical models for longevity. She assisted financial institutions in hedging mortality and longevity risk and developing instruments to transfer risk to the capital markets.

Dr. Sullivan is active in community activities related to emergency and disaster response. She is a canine search and rescue handler specializing in wilderness rescue for the California Rescue Dog Association and Yosemite National Park. She earned a Ph.D. in epidemiology from Emory University, focused in spatial statistical modeling, and a B.S and M.S. in earth systems from Stanford University, focusing in energy engineering and climate modeling.

COLONEL JAMES T. JENKINS
MARINE CORPS WARFIGHTING LAB,
SCIENCE AND TECHNOLOGY DIRECTOR



Colonel James T. Jenkins graduated from Cornell University. Following The Basic School and flight school he was designated a Naval Aviator and reported to HML/A-269 at MCAS New River.

In his first tour with the Gunrunners, he completed two Mediterranean deployments and deployed as part of Special Purpose Marine Air Ground Task Force (SPMAGTF) CARIB. Upon completion of Amphibious Warfare School, he was assigned as the Air Officer for Battalion Landing Team 1/6.

Captain Jenkins later served as the Aide-de-Camp for the Commanding General, II Marine Expeditionary Force until May 2001. Major Jenkins returned to the Gunrunners, then was assigned as HML/A Detachment OIC and Operations Officer for Marine Medium Helicopter Squadron 263 (Rein) and completed a deployment with the 24th MEU. In August 2003, Major Jenkins reported for duty at Marine Aviation Weapons and Tactics Squadron One. After serving on the staff of 2d Marine Aircraft Wing, Lieutenant Colonel Jenkins assumed command of HML/A-269 and completed two combat deployments with the Gunrunners. He gave up command in May 2009, and was assigned as a student to the U.S. Army War College. After serving on the Joint Staff (J3), PACOM, he received orders to Training Command in Quantico, VA. From May of 2013 to June of 2015, Colonel Jenkins was the commanding officer of Marine Aircraft Group 29. He now serves as the Marine Corps Warfighting Lab's Science and Technology Director.

Colonel Jenkins holds master's degrees from Syracuse University and the U.S. Army War College. His personal decorations include the Legion of Merit, two Bronze Star Medals, the Defense Meritorious Service Medal, Meritorious Service Medal, two single mission Air Medals with Combat V, and a strike/flight Air Medal with numeral 9, two Navy and Marine Corps Commendation Medals, and two Navy and Marine Corps Achievement Medals.