Naval Research Program 16-1 Plenary Session Schedule

0900-1000	Intro & President Route's Remarks
	Dr. Sullivan's Remarks
	Col Jenkin's Remarks
	Admin Remarks

1000-1020   School of International Graduate Studies

HQMC Plans, Policies & Operations (PP&O) - Maj David Selmo

NPS-17-M228: The Marine Defense Battalions of the 1930s

NPS-17-M229: The Role of the USMC as the Land Component of Seapower

HQMC Plans, Policies & Operations, Joint Non-Lethal Weapons Directorate (PP&O JNLWD) - Mr. John Keenan

NPS-17-M153: Rules of Engagement for Non-Lethal Weapons (NLW)

Commander, Naval Surface Forces (CNSF) - CAPT Chuck Good

NPS-17-N090: Distributed Lethality: Decentralized C2 in a Centralized World

HQMC DC Programs and Resources (P&R) - Dr. Elizabeth Clelan

NPS-17-M070: USMC Career Path for Analysts with Graduate Degrees

Scientific Development Squadron ONE (VXS-1) - LCDR Erik Kjellgren

NPS-17-N042: Scientific Development Squadron ONE Capability Brief

Naval Postgraduate School/Office of Naval Research (ONR) - Dr. Doug MacKinnon

NPS-17-N011: MMOWGLI (Massive Multiplayer Online Wargame Leveraging the Internet)

1020-1030   BREAK

Graduate School of Business and Public Policy

| 1030-1155 | **Commander, Naval Surface Forces (CNSF) - CAPT Chuck Good** |

NPS-17-N013: Maximizing Warfighting Effectiveness Via a (More) Disciplined Approach to Balancing Shipboard Requirements

NPS-17-N037: Financial Modeling for USN/USMC Amphibious Lift Requirements

NPS-17-N060: Surface Ship CNO Maintenance & Modernization Availabilities

NPS-17-N062: Net/Gross Standards

NPS-17-N063: FIAR Compliance Requirements

NPS-17-N064: Cost Effective method to Track Low Priority Material

NPS-17-N065: Revising the Navy Manpower Analysis Center's (NAVMAC) Shipboard Manpower Algorithm

NPS-17-N108: DL- Building Expertise Through Immersive, Experienced Based Training

N9 - Warfare Systems - CAPT Chuck Good

NPS-17-N043: Modeling and Analysis of Total Ownership Cost for Surface Ship Electro-Optic / Infrared Systems

Graduate School of Business and Public Policy

For an updated schedule see https://my.nps.edu/nrp/nrwg-16-1/

1030-1155	**Commander, Navy Installations Command (CNIC) - CDR Robert Barbee**

Commander, Navy Installations Command (CNIC) - CDR Robert Barbee

NPS-17-N008: Shore Claimant Consolidation
NPS-17-N009: Advancing Public-to-Public Partnerships
NPS-17-N126: Car-Sharing on Navy Installations

HQMC Aviation (HQMC AVN) - Maj Chris Larson

NPS-17-M074: Marine Aviation Logistics Squadron Performance Measurement and Improvements

HQMC Installations and Logistics (I&L) - LtCol David Lowery

NPS-17-M154: Analysis to Determine Best Practices and Standardization of Administration, with a Focus on IPACs, Across the Enterprise

HQMC Manpower and Reserve Affairs (M&RA) - Capt Taylor Williams

NPS-17-M072: Predictors of Attrition and Continuation in the Marine Corps Reserve FY2009 Non-Prior Service Enlisted Cohort
NPS-17-M073: Effects of PME Reqs and Promotion for Reserve Enlisted Marines
NPS-17-M080: Measures of Effectiveness for USMC Sexual Assault Programs
NPS-17-M081: Senior SARC Administrative Workload Study
NPS-17-M095: Marine Family Program Measurement

Marine Corps College of Distance Education & Training (CDET) - Maj Michael Gavin

NPS-17-M146: Ripper Academy Operations & Analytics

Marine Corps Logistic Command (MCLC) - Mr. Huntley Bodden

NPS-17-M054: Feasibility of Condition Based Maintenance for USMC "B" "D" and "E" TAMCNs

Marine Forces Reserve (MFR) - Mr. Robert McGuiness

NPS-17-M113: Ever Increasing Annual Training Requirements
NPS-17-M240 Inspector-Instructor Training Curriculum Development & Effectiveness Analyses
NPS-17-M241: Marine Forces Reserve: Funeral Honors
NPS-17-M242: Business Process Simulator/Computer-Aided Training Tool

N4 - Material Readiness & Logistics - LT Jason Ray

NPS-17-N016: Efficient and Effective Organizational Structure for Advanced Forward Supply Bases

Naval Air Systems Command (NAVAIR) - Mr. Carl Fahrner

NPS-17-N188: Explosive Ordinance Demolition (EOD) UAS

HQMC DC Programs and Resources (P&R) - Dr. Elizabeth Clelan

NPS-17-M070: USMC Career Path for Analysts with Graduate Degrees

Scientific Development Squadron ONE (VXS-1) - LCDR Erik Kjellgren

NPS-17-N042: Scientific Development Squadron ONE Capability Brief

Naval Postgraduate School/Office of Naval Research (ONR) - Dr. Doug MacKinnon

NPS-17-N011: MMOWGLI (Massive Multiplayer Online Wargame Leveraging the Internet)

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Graduate School of Engineering and Applied Sciences	
1200-1335	**Commander, Naval Surface Forces (CNSF) - CAPT Chuck Good**
	NPS-17-N035: Enhancing Damage Control Procedures by Integrating Wireless Body Cameras
	NPS-17-N036: Advanced Propulsion Plant Technology for Energy-Efficient Future Surface Combatants
	NPS-17-N041: Carbon Fiber Plastic Piping Compared to Standard Shipboard Piping
	NPS-17-N098: Satellite Vulnerability
	NPS-17-N184: Assessing C3 Infrastrucutre for Timely Utilization of National Assets for Mobile Maritime Targeting
	HQMC Aviation (HQMC AVN) - Maj Chris Larson
	NPS-17-M117: The Adverse Conditions Being Set by the Third Offset Strategy - A False Dichotomy Putting Our National Security at Great Risk
	HQMC Installations and Logistics (I&L) - LtCol Howard Marotto
	NPS-17-M006: Massive Size 3D Printing of Concrete Structures
	HQMC Plans, Policies & Operations, Joint Non-Lethal Weapons Directorate (PP&O JNLWD) - Mr. John Keenan
	NPS-17-M180: Design Parameter Trade-Offs of Emergent Non-Lethal Capabilities
	Marine Corps Tactical Systems Support Activity (MCTSSA) - Col Benjamin Stinson
	NPS-17-M116: Use of Multicriteria Identification and Mathematical Modeling in Enterprise Level System of System Testing
	NPS-17-M189: Message Standards Conformance Testing for Digital Interoperability
	NPS-17-M199: Digital Radio Frequency Memory (DRFM) System using Direct Digital Conversion for Cyber and Electronic Warfare
	NPS-17-M202: Trajectory Generator for a UAV Platform Acting as a Ballistic Missile Emulator
	NPS-17-M213: Enhancement of the Framework for Assessing Cost and Technology (FACT)
	NPS-17-M216: Integrating Engineering Models in Analytical Constructive Simulations
	N2/N6 - Information Dominance - Mr. Robert Rogodzinski
	NPS-17-N183: Battle Management Aids - Concepts, Definitions and Terms of Reference Necessary to Define Navy Requirements
	N4 - Material Readiness & Logistics - LT Jason Ray
	NPS-17-N015: Research and Develop a Expeditionary Maintenance Nodes
	NPS-17-N101: Additive Manufacturing (AM) of Metals and Alloys for Naval Applications
	Naval Facilities Engineering Command (NAVFAC) - Mr. Ben Wilcox
	NPS-17-N067: Systems Engineering Analysis and Systems Acquisition Management of Power Technology for Naval Facilities

Graduate School of Engineering and Applied Sciences

1200-1335	**Naval Facilities Engineering Command (NAVFAC) - Mr. Anu Kumar**

NPS-17-N128: Acoustic and Visual Tools for Studying Marine Mammals in Areas of Navy Interest

Naval Undersea Warfare Center (NUWC), Keyport - Mr. David Mortimore

NPS-17-N148: High Bandwidth Wireless UUV Communications

Naval Satellite Operations Center (NAVSOC) - Mr. Thaer Zori

NPS-17-N029: SATCOM Defense

NPS-17-N044: MUOS Power/Battery Study

NPS-17-N045: Satellite Command and Control from Navy Ships at Sea

NPS-17-N056: Centralized vs. Decentralized SATCOM C2

HQMC DC Programs and Resources (P&R) - Dr. Elizabeth Clelan

NPS-17-M070: USMC Career Path for Analysts with Graduate Degrees

Scientific Development Squadron ONE (VXS-1) - LCDR Erik Kjellgren

NPS-17-N042: Scientific Development Squadron ONE Capability Brief

Naval Postgraduate School/Office of Naval Research (ONR) - Dr. Kevin Smith

NPS-17-N100: Networked Undersea Autonomous Sensing and Tracking

Naval Postgraduate School/Office of Naval Research (ONR) - Dr. Doug MacKinnon

NPS-17-N011: MMOWGLI (Massive Multiplayer Online Wargame Leveraging the Internet)

Naval Postgraduate School/Naval Air Systems Command (NAVAIR) - Dr. Vlad Dobrokhodov

NPS-17-F023: AquaQuad - Hybrid Mobil Vehicle for Persistent Surface and Underwater Reconnaissance

NPS-17-M022: Optimal Mission Planning of Cooperative Solar-Powered UAVs

NPS-17-N024: Free-Fall Decoy Defeat of Current and Future RF-Guided Anti-Aircraft Missile Systems

Naval Postgraduate School - Dr. Jonathan Phillips

NPS-17-F019: New Paradigm Supercapacitors: Improving TubeSDM Power Delivery

NPS-17-F058: Enabling Micron Scale Metal 3D Printing: RES Production of Metal and Alloy Particles

Additions to the printed schedule included with the event program:

Naval Postgraduate School - Mr. Brandon Naylor

NPS-17-F129: Reducing Transit Fuel Consumption and Enabling Additional Time on Station with an Improved Transit Fuel Planner (TFP)

NPS-17-F130: Measure the Potential Impact of OTTER (Optimized Transit Tool Easy Reference) on Surface Fleet Time on Station

NPS-17-F131: Develop an Excel Tool to Assist Ship Drivers in Predicting Refueling Requirements

Naval Postgraduate School - Dr. Hyeoungjun Park

NPS-17-F211: Remote Control of a Multi-Copter U.A.V. with Manipulation Capability

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Graduate School of Operational and Information Sciences

1330-1645

3rd Marine Aircraft Wing (3rd MAW) - Col Carl Henger

NPS-17-M002: 3rd MAW Incident Reporting System: Predictive Analytics Analysis

NPS-17-M246: 3rd MAW Reduced Aviation Readiness Risk Assessment Study

Commander, Naval Surface Forces (CNSF) - CAPT Chuck Good

NPS-17-N018: Exploring and Developing the Distributed Lethality Concept using Automated Red Teaming

NPS-17-N020: Distributed Lethality Wargaming

NPS-17-N034: Measuring and Enhancing Surface Warfare Skill/Knowledge Baseline from Schoolhouse to Shipboard Utilization

NPS-17-N038: Immersive Technology and Holography in the Future Classroom

NPS-17-N039: Intelligent Tutor, Artificial Intelligence and Augmented Reality for Tactical Training Simulators

NPS-17-N047: Convoy Defense Operations

NPS-17-N048: Airbone Assets in Support of Distributed Lethality

NPS-17-N059: Impacts of the Popagation of Network-Centric Capabilities

NPS-17-N061: Surface Ship Safety Predictive Analysis

NPS-17-N091: Low Probability of Intercept Signaling in Anti-Access Environments

NPS-17-N099: Maximizing the lethality and use of the vertically launched anti-submarine rocket (VLA)

Naval Sea Systems Command (NAVSEA) - CAPT Chuck Good

NPS-17-N053: Surface Ship Port Loading Model Development

Commander, Navy Installations Command (CNIC) - CDR Robert Barbee

NPS-17-N010: CNIC Shore DRRS-N Reporting

HQMC Aviation (HQMC AVN) - Maj Chris Larson

NPS-17-M014: The Effects of Crew Rest on Performance in Marine Corps Aviation (added)

NPS-17-M087: Air Base Ground Defense (ABGD) ISO Expeditionary Force-21 (EF-21)

NPS-17-M118: Improving Operations Order Generation and Dissemination Using Intelligent Map-based Mobile Software

NPS-17-M119: Managing Marine Aviation Cyberspace Operations Workforce

HQMC Installations and Logistics (I&L) - LtCol Dan Reber

NPS-17-M121: Innovation in Military Logistics—Models to Harness Innovation from External Sources

NPS-17-M122: Development of a Comprehensive Logistics Concept of Operations to Support the Marine Corps Capstone Operating Concept—Expeditionary Force 21

NPS-17-M123: Household Goods Storage versus Shipment to Okinawa: Cost versus Quality of Life

NPS-17-M162: Alternative Models for Non-Tactical Vehicle Solutions

NPS-17-M165: Modernization of Marine Corps Terminal Operations

For an updated schedule see https://my.nps.edu/nrp/nrwg-16-1/

Graduate School of Operational and Information Sciences

1330-1645	**HQMC Manpower and Reserve Affairs (M&RA) - Capt Taylor Williams**

HQMC Manpower and Reserve Affairs (M&RA) - Capt Taylor Williams

NPS-17-M001: USMC Manpower Quaility, Job-Matching, Satisfaction

NPS-17-M057: Career Outcomes of Sexual Assault Victims

NPS-17-M082: Education Opportunity at Assignment Location and Accompaniment Status

NPS-17-M096: Functional Review/Staffing Audit Marine and Family Programs

HQMC Plans, Policies & Operations (PP&O) - Maj David Selmo

NPS-17-M051: A Simulation to Evaluate the USMC's Distributed Laydown Lift Requirements

NPS-17-M052: The Value, and the Cost, or Forward Presence and its Alternatives

NPS-17-M172: Future Resourcing of FW and RW CAS for Deployed MAGTFs

NPS-17-M227: Role of the US Army in Asia

HQMC Plans, Policies & Operations, Joint Non-Lethal Weapons Directorate (PP&O JNLWD) - Mr. John Keenan

NPS-17-M177: A methodology to Assess Mission Effectiveness of Emergent Non-Lethal Capabilities

NPS-17-M182: A Methodology to Assess Probability of Injury and Effect for Non-Lethal Area Weapons

Marine Corps College of Distance Education & Training (CDET) - Maj Michael Gavin

NPS-17-M136: Software Lifecycle Program Development in Support of CDET Services

NPS-17-M139: Strategies for Secure Mobile Testing

NPS-17-M141: Analytics for Content Management System Implementation

NPS-17-M144: Integrating xAPI to Support eLearning Objective Tracking

NPS-17-M145: eLearning Measures of Effectiveness

NPS-17-M146: Ripper Academy Operations & Analytics

Marine Corps Combat Development Command (MCCDC) - Mr. Bill Inserra

NPS-17-M031: Developing the USMC Amphibious Combat Vehicle T&E through Wargaming

NPS-17-M114: Strategic Optimization of Marine Corps Force Development

Marine Corps Logistic Command (MCLC) - Mr. Huntley Bodden

NPS-17-M055: Performance Analysis of the War Reserve System (WRS)

Marine Corps Logistics Operations Group (MCLOG) - Maj Roy Miner

NPS-17-M005: Optimal Resource Organization & Allocation for the MEB LCE in Support of Operation Assured Resolve

Marine Corps Modeling & Simulation Office (MCMSMO) - Mr. Eric Whittington

NPS-17-M173: Using Simulations to Improve Combat System Design

NPS-17-M175: Aligning Curriculum with Sponsor Needs

Graduate School of Operational and Information Sciences

1330-1645	**Marine Corps Tactical Systems Support Activity (MCTSSA) - Col Benjamin Stinson**

NPS-17-M190: Automated Testing of Virtualized Marine Corps Enterprise Network (MCEN)

NPS-17-M193: Impact on Tactical Data Systems when deploying the Marine Corps Enterprise Network (MCEN)

NPS-17-M196: Expansion of "Multi-Resolution Playback of Network Trace Files"

NPS-17-M197: Software Defined Networking - How Can the USMC Maximize this Technology for the Future?

NPS-17-M200: Leveraging Software Defined Data Centers Technology to Enable the Warfighter in a Seamless C4I Infrastructure

NPS-17-M206: Software Integrity Checks Supporting C4I/Weapon Systems

Marine Corps Technology Services Organization (TSO) - Mr. Jeffrey Thiry

NPS-17-M107: DEVOPS vs Centralized Support

Marine Expeditionary Forces (II MEF) - Mr. Frederick Hopewell

NPS-17-M021: KM/IM/Communication Relationships Mutual Support to the Decision Maker

N2/N6 - Information Dominance - Mr. Robert Rogodzinski

NPS-17-N140: Combat Identification Concept of Operations

NPS-17-N185: Big Data Architecture, Data Strategies & Fusion Approaches Required to support a Common Tactical Picture, Integrated Fires & Combat Identification

NPS-17-N194: Big Data Architecture and Analytics for Common Tactical Picture – Design and Implementation

N4 - Material Readiness & Logistics - LT Jason Ray

NPS-17-N171: Big Data and Deep Learning (BDDL) for Logistics in Support of Distributed Lethality - Continuation

Naval Air Systems Command (NAVAIR) - Mr. Jeff Sappington

NPS-17-N004: Test and Evaluation of Autonomous Systems

Naval Facilities Engineering Command (NAVFAC) - Mr. Anu Kumar

NPS-17-N219: 3D Virtual Environments of Naval Installations for Online Web-Based Enterprise Collaboration

Naval Satellite Operations Center (NAVSOC) - Mr. Thaer Zori

NPS-17-N046: Network Optimization & Cyber Best Practices

Sciences

1330-1645	**Naval Undersea Warfare Center (NUWC), Keyport - Mr. David Mortimore**

NPS-17-N149: Live and Constructive Underwater Range Model with Extension to other Environments

NPS-17-N150: T&E Strategies Supporting the New Norm of Rapid Concept to Development Cycles

NPS-17-N151: Modeling of Stand-Alone Computer Systems (Hardware and Software) Using Virtual Machines for Cyber-Defense

NPS-17-N152: Distributed Testing and Training for USW and UUV Systems

NPS-17-N192: T&E and Certification of Adaptive Autonomy for UUVs/UxSs

For an updated schedule see

HQMC DC Programs and Resources (P&R) - Dr. Elizabeth Clelan

NPS-17-M070: USMC Career Path for Analysts with Graduate Degrees

Scientific Development Squadron ONE (VXS-1) - LCDR Erik Kjellgren

NPS-17-N042: Scientific Development Squadron ONE Capability Brief

Naval Postgraduate School/Commander, Seventh Fleet (COMSEVENTHFLT) - Dr. Wayne Porter CAPT, USN (ret)

NPS-17-F086: Mapping Dark Maritime Networks

Naval Postgraduate School/Office of Naval Research (ONR) - Dr. Doug MacKinnon

NPS-17-N011: MMOWGLI (Massive Multiplayer Online Wargame Leveraging the Internet)

Additions to the printed schedule included with the event program:

Naval Postgraduate School - Dr. T. Camber Warren

NPS-17-F205: Global-Scale Open-Source Analytics for Information Warfare

Naval Postgraduate School - Dr. Steven Hall

NPS-17-F120: Sensemaking, Social Resilience, and Social Identity: The Need for Effective Interpersonal Relations Skills for Future Military Operations

Marine Forces Cyberspace Command (MFCC) - Capt Robert Grzelak

NPS-17-M156: Developing, Simulating and Training for Cyber Attacks on Adversary Networks

NPS-17-M164: A Process for Readiness and Vulnerability Reporting of Marine Corps Cyberspace Assets

NPS-17-M167: Tactical Cyber Physical Systems

NPS-17-M168: Network Heterogeneity and Network Security

NPS-17-M178: Cyber Acquisitions Integration

NPS-17-M179: Cyber/EW convergence in the Marine Corps

NPS-17-M243: Cyber Support for the Close Fight