MAINTAINING UNDERSEA OVERMATCH

NAVAL SUBMARINE LEAGUE

41st ANNUAL SYMPOSIUM AND INDUSTRY UPDATE

7-8 NOVEMBER 2023

Manta Ray

Undersea Superiority Through Innovation

NORTHROP GRUMMAN

TABLE OF CONTENTS

2023 ANNUAL SYMPOSIUM & INDUSTRY UPDATE

ASIU SPONSORS

DIAMOND

General Dynamics Electric Boat
L3Harris
Lockheed Martin
Newport News Shipbuilding, division of HII

PLATINUM

Carahsoft
General Dynamics Mission Systems
Northrop Grumman
Raytheon Technologies

GOLD

Boeing
DMG Mori
Leonardo DRS
Penn State Applied Research Laboratory

SILVER

Amentum
BWX Technologies
CAE
CEPEDA
General Atomics Electromagnetic Systems
HDR
Oceaneering International
Pacific Fleet Submarine Memorial Association
Seacorp
Serco
Sonalysts
Systems Planning and Analysis

AMENITY SPONSORS

Brochure: Addman Group, Arnold Magnetics, Collins Aerospace, General Atomics Electromagnetic Systems, General Dynamics Electric Boat, Leonardo DRS, Northrop Gtrumman, Serco, VACCO

Escalator panel - NCS Technology

Room key - In-Depth Engineering

EXPERTISE THAT RUNS DEEP

- Delivering power, propulsion, weapon and communication technologies
- Build-to-print manufacturing, including large complex structures and components
- Specialized design and engineering services

VISIT US AT
BOOTH #305

ga.com/ems

GENERAL ATOMICS
ELECTROMAGNETICS

AGENDA

TUESDAY 7 NOVEMBER

1030 – 2130	**EXHIBIT HALL OPEN TO ALL**	**Independence Center**
1130 – 1330	**GRAB AND GO LUNCH SALES**	**Independence Center**
1230 - 1430	**BUSINESS SESSIONS**	**Regency E-F**
1230 - 1235	**Welcome** **ADM Jon Greenert**, **USN (Ret),** Chairman, Naval Submarine League	
1235 – 1300	**NSL Annual Meeting** **VADM Willy Hilarides**, **USN (Ret),** President, Naval Submarine League	
1300 - 1345	**ADM Frank Caldwell, USN,** Director, Naval Reactors	
1345 - 1430	**VADM Bill Houston**, **USN,** Commander, Submarine Force	
1430 - 1500	**NETWORKING & TECHNICAL EXCHANGE**	**Independence Center**
1500 – 1545	**RADM Scott Pappano**, **USN,** PEO Strategic Submarines	
1545 – 1630	**RDML Jonathan Rucker**, **USN,** PEO Attack Submarines	
1630 - 1800	**NETWORKING & TECHNICAL EXCHANGE**	**Independence Center**
1630 – 1725	**Industry-Only Event with Program Office Representatives** *(Industry members register to attend)*	**Various Locations**
1735 – 1830	**Industry-Only Event with Program Office Representatives** *(Industry members register to attend)*	**Various Locations**
1730 - 1830	**CHAIRMAN'S RECEPTION FOR AWARDEES** *(By Invitation Only)*	**Washington Room**
1830 - 2130	**EXHIBIT HALL OPEN** *(Limited Access to ticket holders only)*	**Independence Center**
1830 – 2130	**NETWORKING BUFFET**	**Independence Center**

AGENDA

WEDNESDAY 8 NOVEMBER

0700 - 1900	**EXHIBIT HALL OPEN**	**Independence Center**
0700 – 0745	**CONTINENTAL BREAKFAST**	**Independence Center**
0700 – 0745	**PRESIDENT'S BREAKFAST FOR SPONSORS** *(By Invitation Only)* **Mr. Ron O'Rourke**, Congressional Research Service	**Regency A-D**
0755 – 1145	**BUSINESS SESSION**	**Regency E-F**
0755 – 0800	Remarks by **ADM Jon Greenert**, **USN (Ret),** Chairman, Naval Submarine League	
0800 – 0845	**RADM Rob Gaucher, USN,** US Fleet Forces Special Assistant	
0845 – 0930	**RDML Mark Behning, USN,** CNO N97	
0930 - 1015	**NETWORKING & TECHNICAL EXCHANGE**	**Independence Center**
1015 – 1100	**CAPT Kevin Smith**, **USN**, PEO Unmanned and Small Combatants	
1100 – 1145	**Mr. Matt Sermon**, Executive Director, PEO Strategic Submarines on "Submarine Industrial Base (SIB) Revitalization"	
1145 – 1400	**GRAB AND GO LUNCH SALES**	**Independence Center**
1145 - 1400	**NETWORKING & TECHNICAL EXCHANGE**	**Independence Center**
1200 – 1400	**AWARDS LUNCHEON** **Luncheon Speaker: CAPT Stephen Bowen, USN (Ret),** NASA *(Invited)* ***Presentations to COMSUBLANT/COMSUBPAC Awardees***	**Regency A-D**
1400 – 1745	**BUSINESS SESSION**	**Regency E-F**
1400 – 1445	**AUKUS Panel**	
1445 – 1530	**FORCM (SS) Neil Ford, USN**, Submarine Force, U.S. Atlantic Fleet	
1530 – 1615	**CAPT Todd S. Weeks, USN,** Major Program Manager Virginia Class Submarine (PMS 450)	
1615 – 1700	**ACTIVE DUTY FEEDBACK AND NETWORKING SESSION**	**Washington Room**
1615 - 1745	**NETWORKING & TECHNICAL EXCHANGE**	**Independence Center**
1800 – 1900	**BANQUET RECEPTION**	**Independence Center**
1900 – 2200	**BANQUET** Speaker: **Senator Roger Wicker (MS),** Ranking Member Senate Armed Services Committee Recognition of Distinguished Submariners, **ADM Edmund P Giambastiani, Jr., USN (Ret)** & **VADM Paul E. Sullivant, USN (Ret)** and Distinguished Civilian, **CAPT Carl H. Oosterman, USN (Ret)**	**Regency A-D**

SPEAKERS

RDML Mark Behning, USN
Director, Undersea Warfare Division, N97

Rear Admiral Mark Behning is a native of Phoenix, Arizona, and a 1990 graduate of the U.S. Naval Academy with a Bachelor of Science in Aerospace Engineering. He also holds a Master of Arts in National Security and Strategic Studies from the Naval War College and has completed the Massachusetts Institute of Technology Seminar XXI program.

His sea tours include division officer assignments aboard USS Philadelphia (SSN 690), engineer officer aboard USS Charlotte (SSN 766), executive officer aboard USS Alaska (SSBN 732). He commanded USS Nevada (SSBN 733) and USS Henry M Jackson (SSBN 730) in Bangor, Washington and also served as commodore of Submarine Squadron (SUBRON) 17 in Bangor, Washington.

His shore tours included duty as the Tomahawk strike officer for Commander, U.S. Naval Forces Europe; Assistant Force Nuclear Power Officer for Commander Submarine Forces Atlantic; deputy commander, Submarine Squadron 17; deputy for Strategic Forces, Nuclear Weapons, and Force Protection for Commander Submarine Force, U.S. Pacific Fleet; Sea Based Strategic Deterrence branch head for the Director of Undersea Warfare (OPNAV N97), and Deputy Director and Chief of Staff for Strategic Systems Programs.

His flag assignments include duty as deputy director, Strategic Targeting and Nuclear Mission Planning, J5N, U.S. Strategic Command; commander, Submarine Group 9 and commander Task Group 114.3, and he is currently serving as director, Undersea Warfare Division, Office of the Chief of Naval Operations (N97).

His personal decorations include the Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal, Navy and Marine Corps Commendation Medal, Navy and Marine Corps Achievement Medal, as well as other unit and campaign awards

CAPT Stephen Bowen, USN (Ret)
NASA Astronaut

Stephen G. Bowen (Captain, U.S. Navy, Ret.) was the first Submarine Officer to be selected as an astronaut by NASA. Bowen is a veteran of STS-126, STS-132, and STS-133. The STS-126 mission was the 27th International Space Station (ISS) assembly mission. The crew delivered equipment and supplies as well as expanded the living quarters to house six-member crews aboard ISS. STS -132 delivered an Integrated Cargo Carrier and a Russian Mini Research Module. STS-133 delivered the Permanent Multipurpose Module (PMM) and the fourth Express Logistics Carrier (ELC) to the station. Bowen launched to the International Space Station as Commander of NASA's SpaceX Crew-6 mission aboard a SpaceX Crew Dragon spacecraft on March 2, 2023. After splashing down safely in a SpaceX Dragon spacecraft off the coast of Jacksonville, Florida on September 4, 2023, NASA's SpaceX Crew-6 completed the agency's sixth commercial crew rotation mission to the International Space Station. Steve Bowen has logged 186 days in space over his increment (Expedition 69) for a total of 227 days in space on his four flights. Bowen conducted 3 EVAs totaling 18 hours, 39 minutes; he now has conducted 10 EVAs in his career for a total of 65 hours, 57 minutes; that is 3rd on the all-time list for most EVA time and his 10 EVAs ties him with Mike Lopez-Alegria, Bob Behnken, Peggy Whitson and Chris Cassidy for most EVAs by a U.S. astronaut.

ADM James F. Caldwell Jr., USN

Director, Naval Nuclear Propulsion Program, Department of the Navy/Department of Energy

Admiral James Caldwell received his commission graduating with distinction from the United States Naval Academy in 1981 with a Bachelor of Science in Marine Engineering. He also holds a Master of Science in Operations Research from the Naval Postgraduate School.

Caldwell commanded USS Jacksonville (SSN 699) homeported in Norfolk, Virginia; Submarine Development Squadron (DEVRON) 12 in New London, Connecticut; Submarine Group 9 in Bangor, Washington; and the Submarine Force, U.S. Pacific Fleet, Hawaii. His sea tours include service in both the Atlantic and Pacific Fleets. His Operational assignments include duty as a division officer on USS Boston (SSN 703), engineering officer on USS Alabama (SSBN 731) (GOLD), and executive officer on USS Buffalo (SSN 715).

Ashore, Caldwell served on the Pacific Fleet Nuclear Propulsion Examining Board and later as Undersea Warfare (USW) Requirements officer on the staff of Commander in Chief, U.S. Pacific Fleet. He also served as senior member of the Naval Submarine Force's Tactical Readiness Evaluation Team; on the Joint Staff as deputy director for Politico-Military Affairs for Europe, the North Atlantic Treaty Organization, Russia and Africa; and deputy commander for U.S. Strategic Command's Joint Functional Component Command for Global Strike in Omaha, Nebraska and as Naval Inspector General, Washington Navy Yard, D. C. His most recent tour was on the (Office of Naval Operations) OPNAV Staff as the Director, Navy Staff.

He assumed his duties as the Director, Naval Nuclear Propulsion Program in August 2015.

Caldwell's awards include the Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal, Navy Commendation Medal, Navy and Marine Corps Achievement Medal, and the Naval Submarine League's Charles A. Lockwood Award for Submarine Professional Excellence.

SPEAKERS

FORCM Neil R. Ford, USN
Force Master Chief, Submarine Force, U.S. Atlantic Fleet

Force Master Chief Neil R. Ford, a native of Templeton, Massachusetts, enlisted in the United States Navy through the delayed entry program in July 1991, and he reported to Recruit Training Command, Orlando, Florida, in May 1992. Following completion of basic training, he completed Quartermaster "A" School.

In August 1992, Ford reported to Basic Enlisted Submarine School in Groton, Connecticut. Upon completion, he reported to PCU Santa Fe (SSN 763) in October 1992. While assigned to Santa Fe, he completed the ship's inter-fleet transfer to Pearl Harbor and maiden Western Pacific Deployment. In August 1997, he transferred to his first shore tour, Naval Submarine School, Groton.

Ford returned to sea duty in September 1999 aboard the USS Parche (SSN 683), where he completed three Missions. He transferred to USS West Virginia (SSBN 736) Gold in August 2002 and completed five deterrent patrols.

Ford was selected to chief petty officer in 2003. In August 2005, he reported to the USS Alexandria (SSN 757) where he completed a 5th Fleet deployment.

In December 2006, he transferred to Naval Submarine Support Center in Kings Bay, Georgia and served as the operations supervisor.

In September 2009, he reported to USS Rhode Island (SSBN 740) Gold where he was advanced to senior chief and completed five deterrent patrols. He transferred to Commander Submarine Squadron 20 in December 2012.

Ford attended the Senior Enlisted Academy (Class 191/Khaki) in 2015, qualified Chief of the Boat and was advanced to Master Chief.

December 2015, Ford served as Chief of the Boat aboard USS Maryland (SSBN 738) Blue. During his tour, Maryland completed a 38-month Engineering Refueling Overhaul (ERO), conducted Demonstration and Shakedown Operations (DASO) and one nuclear-deterrent patrol.

Ford transferred to USS Florida (SSGN 728) Blue as the Chief of the Boat in May of 2017. During his tour on Florida, the ship completed its 22-month CNO availability and four deployments. During this time, Florida became the first East Coast SSGN to deploy with enlisted women and earned two consecutive COMSUBRON 16 Battle Efficiency and Retention Excellence Awards.

Ford was selected into the Command Master Chief (CMC) program in 2018. He served as CMC of Naval Submarine Training Center Pacific, Pearl Harbor, Hawaii and most recently, Commander, Submarine Group Eight, in Naples, Italy.

His decorations include the Meritorious Service Medal (three awards), Navy and Marine Corps Commendation Medal (four awards), Navy and Marine Corps Achievement Medal (four awards) and various unit and campaign awards.

Communication

Bi-weekly Update
Corporate Compass
LinkedIn
The Submarine Review
Website

SPEAKERS

RADM Robert Gaucher, USN
Director, Strategic Integration, N2/N6T

Rear Adm. Gaucher is a native of Pittsfield, Massachusetts. He is a 1991 graduate of the U.S. Naval Academy where he received a Bachelor of Science in Systems Engineering. He also holds a Master of Science in Engineering Management from the University of Central Florida. In addition, he has completed the Executive Business Course in Monterey, California, and the Massachusetts Institute of Technology Center for International Studies Seminar XXI.

Gaucher's operational assignments include service in both fast attack and ballistic missile submarines including service as division officer, USS Flying Fish (SSN-673), navigator/operations officer, USS Oklahoma City (SSN-723), executive officer, USS Maryland (SSBN-738) (BLUE), commanding officer, USS City of Corpus Christi, and commodore, Submarine Development Squadron Five.

During these tours he completed three strategic deterrent patrols as well as deployments to the Arctic, Caribbean, North Atlantic, and Mediterranean.

Staff assignments include instructor duty at Naval Nuclear Power School; flag aide for the Commander Submarine Force; Maritime Operations branch head at U. S. Pacific Command; director, Operational Support Branch, Chief of Naval Operations staff; chief of staff, Commander Submarine Forces Atlantic.

During his command tour, USS City of Corpus Christi completed two Western Pacific mission cycles, and a homeport change to Pearl Harbor, Hawaii while earning two Meritorious Unit Commendations and the Submarine Squadron 15 Battle Efficiency 'E'. While serving in major command of Development Squadron Five he was responsible for the Seawolf class submarines, Unmanned Undersea Vehicle Squadron One, and several special project ocean engineering and research and development detachments. DEVRON Five earned the Navy Unit Commendation during his tour.

Gaucher served as the director, Maritime Headquarters (N03), U.S. Pacific Fleet before assuming command of Commander, Submarine Group 9/Task Group 114.3.

In August 2022, he assumed his current duties on the OPNAV N2/N6 team as the director of Strategic Integration where he is responsible for integration efforts involving intelligence and warfare systems requirements.

VADM Bill Houston, USN
Commander, Naval Submarine Forces, Commander, Submarine Force, U.S. Atlantic Fleet, Commander, Allied Submarine Command

Vice Admiral Houston is a native of Buffalo, New York and a graduate of the University of Notre Dame with a degree in Electrical Engineering. He was commissioned via the Navy Reserve Officer Training Corps (NROTC) program. He also holds a Master's of Business Administration from the College of William and Mary's Mason School of Business.

His sea tours include division officer assignments on USS Phoenix (SSN 702), engineer officer onboard USS Hampton (SSN 767), and executive officer onboard USS Tennessee (SSBN 734)(B). He commanded USS Hampton (SSN 767) in San Diego, California and was commodore of Submarine Squadron 20 in Kings Bay, Georgia.

His shore assignments include flag lieutenant for Commander Submarine Force, U.S. Atlantic Fleet; the Atlantic Fleet Nuclear Propulsion Examining Board; special assistant to the Director of Naval Reactors for Personnel and Policy; deputy commander for Submarine Squadron 20; the principal director for Nuclear Matters within the Office of the Secretary of Defense; the submarine and nuclear community manager, Military Personnel Plans and Policy (N133) and division director of Submarine and Nuclear Propulsion Distribution, Navy Personnel Command (PERS-42).

His flag assignments include deputy director for Strategic Targeting and Nuclear Mission Planning (J5N) United States Strategic Command, director of operations, Naval Forces Europe-Africa deputy commander, U.S. 6th Fleet, and commander, Submarine Group 8, and director, Undersea Warfare Division, Office of Chief of Naval Operations (N97).

Houston assumed his current duties in September 2021 as commander, Submarine Forces, he is the undersea domain lead, and is responsible for the submarine force's strategic vision. As commander, Submarine Force Atlantic, he commands all Atlantic-based U.S. submarines, their crews and supporting shore activities. These responsibilities also include duties as commander, Task Force (CTF) 114, CTF 88, and CTF 46. As commander, Allied Submarine Command, he is the principle undersea warfare advisor to all North Atlantic Treaty Organization strategic commanders.

SPEAKERS

Mr. Ron O'Rourke
Congressional Research Service

Ronald O'Rourke received a B.A. in international studies from the Johns Hopkins University in 1980 (Phi Beta Kappa) and an M.A. in international studies from the University's School of Advanced International Studies in 1981 as its Christian A. Herter (valedictorian) Fellow. He has worked as a research assistant on naval integrated logistics support issues for American Management Systems, Inc. of Arlington, VA, and as a consultant on defense issues for then-Governor Pierre S. du Pont IV of Delaware. Since 1984, he has been a naval affairs analyst for the Congressional Research Service (CRS) of the Library of Congress.

He has written numerous reports and articles on naval affairs.

RADM Scott W. Pappano, USN
Program Executive Officer Strategic Submarines

Rear Admiral Scott Pappano is a native of Bethlehem, Pennsylvania. He is a 1989 graduate of the U.S. Naval Academy with a Bachelor of Science in Marine Engineering and also holds a Master of Science in Nuclear Engineering from the Massachusetts Institute of Technology. At sea, Pappano served onboard USS City of Corpus Christi (SSN 705), USS Albuquerque (SSN 706), USS Michigan (SSBN 727 Gold), and USS Ohio (SSGN 726). He commanded USS Buffalo (SSN 715) while forward-deployed in Guam.

Assignments ashore include duty with Commander, Submarine Development Squadron 12 Tactical Action Group; onboard X-Daniel Webster (MTS 626) at Naval Nuclear Power Training Unit Charleston, South Carolina military assistant to the Assistant Secretary of Defense for International Security Policy; and executive assistant to the Director, Programming Division (N80) on the Navy Staff.

After selection as an acquisition professional, Pappano served in the Special Operations Forces Mobility Program Office (PMS 399); as executive assistant to Commander, Naval Sea Systems Command; and as major program manager for the Strategic and Attack Submarine Program Office (PMS 392). Pappano was assigned as program executive officer, strategic submarines in October 2021. His previous flag assignments include commander, Naval Undersea Warfare Center and Director, Comprehensive Test Facility and program executive officer, Columbia.

Pappano served on teams that have been awarded the Joint Meritorious Unit Award, Navy Unit Commendation, Meritorious Unit Commendation, and the Navy "E" Ribbon.

SPEAKERS

RDML Jonathan E. Rucker, USN
Program Executive Officer, Attack Submarines

Rear Admiral Jonathan (Jon) Rucker is originally from Vienna, Virginia. He graduated Magna cum Laude from Duke University in May 1994 earning a degree in Electrical Engineering.

After completing the nuclear pipeline, Rucker reported to his first submarine, USS LOUISVILLE (SSN 724) in October 1995, serving in several division officer positions. In December 1998, he proceeded to the NROTC Unit at Duke University where he served as an Assistant Professor and Officer in Charge. While attached there, he earned a Masters Degree in Business Administration from Kenan-Flagler Business School at UNC, Chapel Hill.

In July 2001, Rucker reported to USS SAN FRANCISCO (SSN 711) for duty as the Combat Systems Officer and Quality Assurance Officer. In December 2001, he was selected for the Navy's Engineering Duty Officer (EDO) program. In May 2002, he proceeded to the Massachusetts Institute of Technology graduating in June 2005, earning a Naval Engineer's Degree and a Masters in Electrical Engineering (Power Systems).

Rucker then attended the EDO Basic Course and reported to the Supervisor of Shipbuilding, Groton. He served as the Lead Ship Coordinator for both the USS AUGUSTA (SSN 710) Interim Drydocking Availability and USS VIRGINIA (SSN 774) Post Shakedown Availability, and as VIRGINIA Waterfront Coordinator in charge of seven VIRGINIA class submarines.

In July 2008, Rucker reported to PEO Submarines as part of the VIRGINIA Program Office (PMS450). He served as the Assistant Program Manager (APM) for Post Delivery in support of five VIRGINIA class submarines. In September 2009, he deployed to Iraq as the Chief Engineer in charge of jamming systems in support of Counter IED efforts. In August 2010, Rucker transitioned to the Advanced Undersea Systems Program Office (PMS394) serving as the APM for New Acquisitions. In May 2013, he was selected to be the Military Assistant for the Undersecretary for Defense for Acquisition, Technology, & Logistics (USD (AT&L)) serving in that job until July 2014. He then reported to PMS450 as APM for New Construction & Test and led construction and test efforts of 12 submarines.

In 2016, Rucker assumed command as Program Manager for Unmanned Maritime Systems (PMS406), responsible for unmanned maritime systems across both the Surface and Undersea domains. In summer 2018, he assumed command as Program Manager for the COLUMBIA Class Submarine Program (PMS397), the Navy's number one acquisition program. During his tenure, the COLUMBIA program office was awarded the David Packard Excellence in Acquisition Award for 2021 as the top program office in Department of Defense. In May 2022, Rucker was promoted to Rear Admiral Lower Half and in June 2022 he became Program Executive Officer for Attack Submarines (PEO SSN) leading seven programs, offices and directorates across all fast attack submarines and associated systems development, design, construction, testing, and life cycle sustainment.

His awards include the Defense Superior Service Medal, Legion of Merit (4 awards), Navy Meritorious Service Medal (2 awards), Navy Commendation Medal (3 awards) and Navy Achievement Medal (5 awards). He is a member of several Honors Societies and is a licensed Professional Engineer in the State of Virginia.

SPEAKERS

Mr. Matt Sermon

Executive Director, Program Executive Office Strategic Submarines

As of October 2021, Mr. Matthew Sermon is the Executive Director of Program Executive Office, Strategic Submarines. Previously, Mr. Sermon served as the Executive Director for Program Executive Office Columbia Class Submarine and as the Executive Director, Amphibious, Auxiliary and Sealift Office, Program Executive Office, Ships. In his current role, he provides executive leadership to the Columbia Class Submarine acquisition program and the In Service SSBN/SSGN program, while also being assigned responsibility for revitalization of the Submarine Industrial Base. In this portfolio, he provides enterprise leadership for more than 250 acquisition personnel and approximately $130 Billion in acquisition and sustainment programs.

Mr. Sermon entered the Senior Executive Service in February 2019, and has been in federal service for more than 20 years. He has served in a variety of key leadership positions throughout his career, including Deputy Program Manager for the Columbia Class Submarine program (2016-2019), a $100 billion DoD Major Defense Acquisition Program. During his tenure, he led the program through detail design, construction readiness, and significant sustainment planning activities. Before leading the Columbia Class, he was the Deputy Program Manager for the Zumwalt Class Destroyer (2014-2016) during test, trials, and delivery of the lead ship (DDG 1000). Prior to DDG 1000, he was the Deputy Program Manager for International Fleet Support in the Naval Sea Systems Command's Surface Warfare Directorate (2010- 2014), where was responsible for the management of more than $5 billion in Foreign Military Sales cases for more than 40 partner nations.

Other previous assignments include Principal Assistant Program Manager in the Support Ships, Boats, and Craft Program Office (PMS 325) in PEO Ships (2007-2010), where he led the $1.1 billion Egyptian Navy Missile Craft project while providing program management expertise for numerous other boat building projects.

Prior to starting in Navy civilian service, Mr. Sermon was a U.S. Navy Surface Warfare Officer (Nuclear). He received his Surface Warfare Officer qualification aboard USS Ramage (DDG 61). Additionally, Mr. Sermon served as nuclear engineering officer aboard USS Dwight D. Eisenhower (CVN 69) before leaving the uniformed Navy in 2004. He is a veteran of Operations Enduring Freedom and Iraqi Freedom.

Mr. Sermon is a member of the Acquisition Professional Community and has a Level III Certification in Program Management. He holds Defense Acquisition Workforce Improvement Act certifications in Production, Quality, and Manufacturing and Test & Evaluation, and has completed certification as a Project Management Professional (PMP). He received a Bachelor of Science degree in economics from the United States Naval Academy in 1999, and a Master of Science degree in engineering management from The Catholic University of America in 2006. He is a 2012 graduate of the Defense Systems Management College's Program Manager Course. During his distinguished federal service career, Mr. Sermon has received three Navy Civilian Meritorious Service Awards and one Navy Civilian Superior Service Award.

SPEAKERS

CAPT Kevin R. Smith, USN

Program Executive Office, Unmanned and Small Combatants

Capt. Kevin R. Smith is a native of Perrysville, Ohio. He graduated with a Bachelor of Science degree in aerospace engineering from the Boston University, where he earned his commission through the Naval ROTC program, and holds a Master of Science degree in computer science from the Naval Postgraduate School.

Afloat, Smith served aboard USS Nicholson (DD 982) as the communications, training, and tomahawk engagement control officer and qualified as a surface warfare officer.

Ashore, Smith served as the lead systems engineer and later as AEGIS deputy program manager at Naval Surface Warfare Center, Dahlgren Division. As the AEGIS test officer for Supervisor of Shipbuilding (SUPSHIP), in Bath, Maine, Capt. Smith was responsible for combat system installation, activation, integration, test and trials for five new construction DDG 51-class ships. Smith served as the DDG 1000 program baseline director and ship integration and design manager in Program Executive Office (PEO), Ships, then returned to SUPSHIP Bath, as the DDG 1000 program manager representative, overseeing lead ship construction of the Zumwalt class.

Capt. Smith served as PEO Integrated Warfare Systems liaison officer in Adelaide, South Australia, leading integration efforts for the Aegis Combat Suite aboard the Hobart-class air warfare destroyer. He next served as the Aegis Ashore Fleet Introduction program manager, supporting multiple U.S. Navy commands overseeing the in-country installation, test, trials, acceptance and delivery of the first two Aegis Ashore Missile Defense Systems planned for Romania and Poland.

Smith served again in PEO IWS as the military deputy major program manager and as major program manager for Zumwalt Integrated Combat Systems. He then became the major program manager for the DDG 1000 program office located in PEO Ships. During his tenure as the major program manager for the Constellation-class Frigate, the program office was awarded the David Packard Excellence in Acquisition award for 2021 as the top program office in the Department of Defense.

Capt. Smith assumed duties as Program Executive Officer for Unmanned and Small Combatants on Jun. 1, 2023.

Smith's personal decorations include the Legion of Merit (3 awards), the Meritorious Service Medal (6 awards), the Navy Commendation Medal (2 awards), and the Navy and Marine Corps Achievement Medal.

SPEAKERS

CAPT Todd S. Weeks, USN
Program Executive Officer, Undersea Warfare Systems

Captain Weeks graduated with Merit from the United States Naval Academy in May 1993 with a Bachelor of Science in Naval Architecture. In June 2006 he graduated Cum Laude from Norwich University with a Master of Arts in Diplomacy. He is also a graduate from the Naval Command and Staff College at the Naval War College.

A Submarine Officer, Captain Weeks has served at-sea onboard USS SEAWOLF (SSN 21), as Engineer Officer onboard USS LOS ANGELES (SSN 688), Executive Officer onboard USS HELENA (SSN 725), culminating in command of USS ALEXANDRIA (SSN 757) from January 2011 until August 2013. He has deployed to the North Atlantic, Mediterranean, the Western Pacific and the U.S. Southern Command area of operations.

Ashore, Captain Weeks served as Flag Lieutenant to the combined Commander, Submarine Group 2 and Commander, Navy Region Northeast, Material Officer for Commander, Submarine Squadron 22 in La Maddalena, Italy, and at the Submarine Warfare Division on the staff of the Chief of Naval Operations. From July 2005 to May 2006, he was a Federal Executive Fellow at RAND Corporation in Santa Monica, Calif. While at RAND, Captain Weeks co-authored "Sustaining U.S. Nuclear Submarine Design Capabilities," a study analyzing the viability of the Submarine design base. Following command, Captain Weeks was the Director of the Nuclear Propulsion Examining Board on the staff of Commander, U.S. Fleet Forces Command.

An Acquisition Professional, Captain Weeks served as the Director of Mission Assurance in the Advanced Undersea Systems Program Office (PMS 394), as the Major Program Manager for Undersea Defensive Warfare (PMS 415), as the Major Program Manager for Advanced Undersea Systems (PMS 394), as the Executive Assistant to the Assistant Secretary of the Navy (Research, Development, and Acquisition), and most recently, as the Major Program Manager for VIRGINIA Class Submarines (PMS 450).

Captain Weeks assumed duties as Program Executive Officer, Undersea Warfare Systems in July 2023 where he is responsible for the acquisition, research, development, transition, and sustainment of all undersea weapon, countermeasure, combat system, training, and sensor systems.

SAVE THE DATE

SUBMARINE 2024
May 14-16
TECHNOLOGY SYMPOSIUM

NAVAL SUBMARINE LEAGUE

APL JOHNS HOPKINS
APPLIED PHYSICS LABORATORY

Today's Competition … Tomorrow's Fight

Johns Hopkins University Applied Physics Laboratory
Kossiakoff Center

A classified forum at the secret level

PROGRAM MANAGER SESSIONS

The NSL Annual Symposium & Industry Update is excited to be offering breakout sessions with 13 submarine-related program offices (described briefly below) on Tuesday 11/7/23.

There will be 2 sessions for each program office (1630 and 1735), limited to 25 attendees each.

IWS 5A (UNDERSEA SYSTEMS):

IWS 5A directs the development of advanced hull and towed array sonars, and the Advanced Processing Build program for submarine sonar and combat systems. Responsible for developing software in support of submarine imaging and electronic warfare, surface ship sonar Advanced Capability Builds, and management of the Tactical Advancements for the Next Generation (TANG) program, along with other related projects.

CAPT Rich Arnold, USN (Ret)

Rich became the Director of Advanced Submarine Systems Development (IWS 5A) in July of 2023. Prior to his selection, he was a career U.S. Navy Submarine Officer and 1992 Graduate of the U.S. Naval Academy. He served as a Junior Officer on USS PARCHE (SSN 683), Engineer Officer on USS MONTPELIER (SSN 765), Executive Officer on USS ALBUQUERQUE (SSN 706) and Commanding Officer on USS DALLAS (SSN 700).

Ashore, he served as a Shift Engineer at Nuclear Power Training Unit, Charleston, Action Officer for the Office of Undersea Surveillance, Director of Undersea Warfare Systems for the Deputy Assistant Secretary of the Navy (SHIPS) and as an analyst for Navy Analysis and Assessments Division (OPNAV N81).

Following Command of USS DALLAS, he joined the Submarine Acquisition Community and served as an assistant program manager for Unmanned Maritime Systems (PMS 406) and the Submarine Acoustic Systems (PMS 401) programs. He was selected for Major Command and led both the PMS 401 and the Submarine Electromagnetic Systems (PMS 435) program offices for his last 6 years in uniform.

After retiring from active duty, he joined Systems Planning and Analysis, Inc. and served as a Technical Program Analyst and Program Manager for the Undersea Technology and Platform Analysis Groups – supporting submarine force and AUKUS efforts.

He has a degree in Marine Engineering from the U.S. Naval Academy, a Master's in Operational Arts and Science from the Air Force Command and Staff College, and a Master's in engineering management from Old Dominion University. He is level III certified in Program Manager and a graduate of the Defense Acquisition University's Program Manager and Executive Program Manager courses.

PROGRAM MANAGER SESSIONS

PMS 390 (UNDERSEA SPECIAL MISSION SYSTEMS)

Manages the Submarine Rescue System program.

CAPT Burt J. Canfield, USN

A native of Damascus, Pennsylvania, Captain Burt Canfield graduated with honors from New York Maritime College with a Bachelors of Engineering in Electrical Engineering and a U.S. Coast Guard Third Mate's License. He earned a master's degree from the Naval Postgraduate School.

Captain Canfield has served in the Atlantic and Pacific submarine fleets on board USS CONNECTICUT (SSN 22) as a JO, USS OHIO (SSGN 726) as the Navigator, USS LOUISVILLE (SSN 724) as the XO, and commanded USS JOHN WARNER (SSN 785). Captain Canfield has executed deployed operations in the Atlantic and Pacific theaters, including under-ice operations and Tomahawk strike operations.

Ashore, Captain Canfield has served on the staff of COMSUBPAC, US Fleet Forces Command, and PMS 404. He led the Compatibility Test Facility at the Philadelphia Navy Yard and is currently privileged to serve as the Program Manager of the Undersea Special Mission Systems Program Office (PMS390).

PMS 392 (STRATEGIC AND ATTACK SUBMARINE)

Responsible for life cycle support of in-service submarines to safely maximize operational tempo and capability.

CAPT Garrett L. Burkholder, USN

A native of Alexandria, Minnesota, Captain Burkholder graduated from the U.S. Naval Academy in 2000 with a Bachelor of Science degree in Chemistry.

After completing Naval Nuclear Propulsion training, he reported to the USS FLORIDA (SSBN 728) where he served as Electrical Officer, Main Propulsion Assistant and Assistant Engineer.

In 2004, he transferred to Naval Sea Systems Command in Washington, DC. Captain Burkholder served as the Fleet Liaison Officer for the SSGN Program Office (PMS 398) and then served as the Executive Assistant for PEO Submarines.

After selection as an Engineering Duty Officer, he attended the Naval Post Graduate School where he received a Master of Science in Mechanical Engineering. In 2010, he was assigned to Supervisor of Shipbuilding, Conversion, and Repair, Groton, CT (SUPSHIP Groton). He served as Lead Ship Coordinator for the USS MISSISSIPPI (SSN 782) during new construction and then served as a Ship Coordinator in the Commissioned Submarine Project Office.

In 2013, he transferred back Naval Sea Systems Command in Washington, DC serving in the VIRGINIA Program Office (PMS 450) as the Project Officer for VIRGINIA Payload Module (VPM).

In 2015, Captain Burkholder reported to the USS FRANK CABLE in Santa Rita, Guam where he served as the Repair Officer. During his time on board, FRANK CABLE completed a highly successful INDO-PACIFIC deployment.

In 2017, he returned to SUPSHIP Groton as the Project Officer and Program Manager's Representative for COLUMBIA Class Submarines.

Captain Burkholder returned to the VIRGINIA Class Program Office in 2019 to serve as the Assistant Program Manager for Construction.

In March 2021, he became Program Manager for In-Service Attack Submarines, PMS 392, where he is responsible for the maintenance and modernization of all Fast Attack Submarines.

Captain Burkholder's decorations include the Meritorious Service Medal (two awards), Navy and Marine Corps Commendation Medal (three awards), and the Navy and Marine Corps Achievement Medal, in addition to campaign and unit awards.

PROGRAM MANAGER SESSIONS

PMS 394 (ADVANCED UNDERSEA SYSTEMS)

Responsible for the research, development, acquisition, test and evaluation, in-service support, and certification for advanced undersea systems.

CAPT J. Grady Hill, USN

A native of Austin, Texas, Captain Hill graduated summa cum laude from the University of Idaho with a Bachelor of Science Degree in Mining Engineering and was commissioned at Officer Candidate School in Pensacola, Florida. He holds a Master of Arts in National Security and Strategic Studies from the Naval War College.

Captain Hill was stationed on the USS AUGUSTA (SSN 710) from 2001 to 2003, the USS NEWPORT NEWS (SSN 750) from 2007 to 2010, and the USS MISSISSIPPI (SSN 782) from 2012 to 2014. From July 2017 to November 2019 Captain Hill served as Commanding Officer of the USS KEY WEST (SSN 722) homeported in Apra Harbor, Guam. During his command tour, USS KEY WEST executed a deployment in the Western Pacific, a maintenance availability in San Diego, California, and several extended voyages and multinational exercises in direct support of Seventh Fleet theater objectives.

Captain Hill's previous Acquisition Professional assignments include Principal Assistant Program Manager (PAPM) for the Advanced Undersea Systems Program Office (PMS 394) and Program Manager of the Undersea Special Mission Systems Program Office (PMS 390). He is currently serving as the Program Manager at the Advanced Undersea Systems Program Office (PMS 394).

PROGRAM MANAGER SESSIONS

PMS 396 (IN-SERVICE STRATEGIC SUBMARINES)

The primary mission is to certify SSGNs and SSBNs for safe and reliable operations, drive sustainment of strategic submarines across the lifecycle to optimize operational availability and enable our United Kingdom (UK) partners to do the same, and to support the Ohio-Columbia class transition.

Additional responsibilities include: maintenance, modernization and engineering support for the In-Service SSBN and SSGN Fleets, Strategic Weapons Support System maintenance and modernization for both US and UK SSBNs, inactivation of all nuclear submarines including Moored Training Ships, SSBN/SSGN infrastructure at the Trident Refit Facilities (TRFs), and maintenance and modernization of all submarine Emergency Diesel Generators.

CAPT Timothy M. Clark, USN

Captain Clark, a native of Johnston, South Carolina, started his Navy career as an enlisted Nuclear Machinist Mate. After completing initial training, he reported aboard the USS MONTPELIER (SSN-765) based in Norfolk, VA. While onboard MONTPELIER, he participated in the ship's construction, commissioning, and testing.

In 1998 he graduated with honors from the United States Naval Academy with a Bachelor of Science Degree in Political Science, and earned a Masters Degree in Leadership and Human Resource Development from the Naval Postgraduate School in 2004.

His previous sea tours were as a division officer on USS RHODE ISLAND (SSBN-740)(BLUE) from 2000-2003, the Engineer Officer on USS MONTPELIER (SSN-765) from 2006-2009, and Executive Officer on USS BOISE (SSN-764) from 2011-2013. From November 2015 until June 2018, he Commanded the USS WEST VIRGINIA (SSBN-736)(GOLD). His experiences at sea include eight strategic deterrent patrols, a Mediterranean and Arabian Gulf deployment, and a North Atlantic deployment.

His previous shore assignments were as the 18th Company Officer at the United States Naval Academy in Annapolis Maryland from 2003-2006, Flag Aide to the Commander, Submarine Forces in Norfolk, Virginia from 2009-2011, as an Action Officer assigned to the staff of the Assistant Secretary of the Navy for Research Development, and Acquisition in Washington D.C. from 2013-2015, as the Requirements Officer for Sea Based Strategic Deterrence Systems and COLUMBIA Class Ship Acquisition at OPNAV N97 from 2018-2020, and as Director of Mission Execution in the Advanced Undersea Systems Program Office (PMS-394) from 2020-2021. From October 2021 to July 2022 he served as the Program Manager for Advanced Lightweight Torpedo in the Undersea Weapons Program Office (PMS-404). In August 2022, he reported as the Program Manager of the In-Service Strategic Submarines Program Office (PMS-396) responsible for SSBN & SSGN In-Service Support and SSBN Infrastructure.

Captain Clark is authorized to wear a variety of decorations, but is most proud of the unit awards that the submarines he has served on have earned during deployed operations, including a Battle Efficiency 'E' Award on each Ship and the 2017 Arleigh Burke Fleet Trophy for 2017.

PROGRAM MANAGER SESSIONS

PMS 397 (COLUMBIA CLASS PROGRAM OFFICE)

Responsible for the design, construction, delivery, and establishment of life cycle support and infrastructure of the next-generation Sea-Based Strategic Deterrence submarine (SSBN), the COLUMBIA Class. Additionally, PMS 397 supports the United Kingdom's DREADNOUGHT SSBN Program under the Polaris Sales Agreement to build the Common Missile Compartment.

CAPT Mark C. Parrella, USN

Captain Mark Parrella, originally from Arlington, VA, attended the United States Naval Academy and graduated with merit in 1999 with a Bachelor of Science in Aeronautical Engineering. He also holds a Master of Science in Nuclear Engineering from the University of Maryland, and a Master of Arts in National Security and Strategic Studies from the Naval War College. After completing nuclear power and submarine training, Captain Parrella served aboard USS TOLEDO (SSN769), deploying in support of both Operations Enduring Freedom and Iraqi Freedom. He also served as a submarine intelligence analyst at the Office of Naval Intelligence. Captain Parrella has served at both the Supervisor of Shipbuilding, Newport News, VA as an Assistant Project Officer for VIRGINIA Class Construction, and at the Supervisor of Shipbuilding, Groton, CT as the VIRGINIA Class Project Officer and Program Manager's Representative. In these tours, he has led teams delivering 6 VIRGINIA-Class Submarines to the Fleet.

Captain Parrella has served as the Deputy Assistant Program Manager for New Acquisitions in the Advanced Undersea Systems Program Office (PMS-394), and as the Principal Assistant Program Manager for Construction and Test for the COLUMBIA Class Program Office (PMS-397). Captain Parrella served as the Program Manager for Undersea Weapons (PMS-404) from August 2020 to April 2022. In this role, he was responsible for all acquisition and life cycle support of all Navy undersea weapons programs, including two Joint Programs with the Commonwealth of Australia. Captain Parrella reported as the Program Manager of the COLUMBIA Class Submarine Program (PMS397) in May 2022.

Events

Annual Symposium & Industry Update

Corporate Member Days

History Seminar

Seabed Warfare
& Technology Seminar

Submarine Technology Symposium

Unclassified Seminars

PROGRAM MANAGER SESSIONS

PMS 401 (SUBMARINE ACOUSTIC SYSTEMS PROGRAM OFFICE)

Develops and implements the Warfare System Modernization Plan that defines future upgrades, systems standards and interface definitions for development of submarine warfare systems. Works with other Navy organizations and provides direction to coordinate development tasking at Navy Laboratories.

CAPT Keith Oswald, USN

Born in Groton, Connecticut, and raised in New Hampshire, CAPT Oswald received his commission from the University of Virginia Naval Reserve Officer Training Corps. He served onboard the submarine USS MEMPHIS (SSN 691) for three years and completed a six-month deployment to the Arabian Gulf. CAPT Oswald laterally transferred to the Engineering Duty Officer community and was assigned to SUPSHIP Groton where he served as the Ship Coordinator for PCU NEW HAMPSHIRE (SSN 778) new construction and USS NORTH CAROLINA (SSN 777) Post Shakedown and Modernization Availability.

CAPT Oswald served in the OHIO Replacement program office from 2010 to 2014 where he was responsible for the design of the forward and missile compartments, non-nuclear machinery in the engine room, hydrodynamic performance, shafting system development, and propulsor design. CAPT Oswald then reported to the VIRGINIA Class program office where he initially helped develop plans to more affordably acquire COLUMBIA and VIRGINIA Class submarines simultaneously, helped deliver USS JOHN WARNER (SSN 785), and led VIRGINIA Payload Module design efforts.

CAPT Oswald transferred to US Special Operations Command in 2016 as the Program Manager for Undersea Systems. He awarded the design and construction contract for the first Dry Combat Submersible and oversaw manufacturing.

In 2018 CAPT Oswald returned to SUPSHIP Groton to serve as the VIRGINIA Class Program Manager's Representative where he delivered PCU SOUTH DAKOTA (SSN 790) and PCU VERMONT (SSN 792) from new construction, and USS COLORADO (SSN 788) and USS INDIANA (SSN 789) from Post Shakedown Availability.

As the Construction Manager for the VIRGINIA Class Submarine Program (PMS 450) from 2020 to 2023, CAPT Oswald, was responsible for all aspects of submarine construction and delivered PCU OREGON (SSN 793) and PCU MONTANA (SSN 794).

CAPT Oswald relieved as the Program Manager for Submarine Acoustic Systems (PMS 401) in June 2023. He is responsible for development, acquisition, delivery, and life cycle support of submarine towed and hull-mounted acoustic sensors as well as associated processing and support systems.

CAPT Oswald is authorized to wear the Defense Meritorious Service Medal, Meritorious Service Medal with three gold stars, Navy Commendation Medal with two gold stars, and various other unit and personal awards.

CAPT Oswald is actively involved in the Catholic Church and his personal interests include endurance sports and Trail Life USA. He is married to the former Vanessa Ann Rodriguez of Houston, Texas and they have five children.

PROGRAM MANAGER SESSIONS

PMS 404 (UNDERSEA WEAPONS PROGRAM OFFICE)

Oversees the research, development, construction, and modernization of all undersea weapons, including those employed aboard surface ships and aircraft.

Mr. T. J. Vanderbeek

Walter (T.J.) Vanderbeek serves as the Deputy Program Manager in the Joint Undersea Weapons Program Office (PMS 404). In this role, he is responsible for the full life-cycle acquisition management of multiple torpedo programs representing a $7.7B portfolio. The portfolio also directs FMS and two Cooperative International programs for 25 foreign customers totaling an additional $2.7B.

Previously, he served as the Principle Assistant Program Manager for Mine Warfare Energetics in the Mine Warfare Program Office (PMS 495) and as the System Design Manager for Mine Warfare systems in the Naval Sea Systems Command Naval Systems Engineering Directorate (NAVSEA 05).

From 2007 to 2015, Mr. Vanderbeek served two Assistant Program Manager (APM) positions in PMS 404 where he managed a portfolio of five ACAT III programs in various lifecycle phases. From 2001 to 2007, Mr. Vanderbeek held positions with increasing levels of responsibility in the Torpedo Systems Department at the Naval Undersea Warfare Center in Newport, RI, including on-site assignments at NAVSEA Headquarters and the Pentagon supporting the Director of Surface Warfare (OPNAV N86) as the action officer for the lightweight torpedo portfolio.

Mr. Vanderbeek graduated from the University of Notre Dame with a Bachelors of Science degree in Mechanical Engineering in 2001. His professional awards include the Team Submarine Excellence of the Year Award (2010) and the Secretary of the Navy's Team Safety Excellence Award (2016).

PMS 406 (UNMANNED MARITIME SYSTEMS)

Responsible for the Navy's efforts to operationalize Unmanned Undersea Vehicles and Unmanned Surface Vehicles.

CDR David L. Ferris, USN

A native of Youngstown, OH, Commander David L. Ferris graduated from the United States Naval Academy in 2008 with a bachelor's degree in Systems Engineering. Further schools included Second Class Dive School in 2008, Naval Nuclear Power School in 2009, as well as the Joint Diving Officer Course in 2015. In 2018, he received advanced degrees in Naval Engineering and Mechanical Engineering from Massachusetts Institute of Technology.

Commander Ferris's first sea assignment was aboard USS OHIO (SSGN 726) where he served as the Damage Control Assistant and Scuba Officer. He was medically disqualified from submarines during this tour and laterally transferred to the Engineering Duty Officer Community. While serving aboard Puget Sound Naval Shipyard & Intermediate Maintenance Center, he was the Shipyard Docking Officer as well as a Project Officer for SSGN, CVN, and DDG CNO Availabilities. In Naples, Italy, Commander Ferris served as the Executive Officer of Forward Deployed Regional Maintenance Center, the NAVEUR NAVAF SIXTHFLT Fleet Maintenance Officer and Fleet Salvage Officer. In Washington DC, he served in PMS 396, In-Service Strategic Submarines Program Office as the Principal Assistant Program Manager (PAPM) for Ohio Class Modernization as well as the Submarine Emergency Diesel Generator Program Manager for all Submarine Classes.

In his current role, he is the PAPM for Unmanned Underwater Vehicles within PMS 406, Unmanned Maritime Systems Office.

Commander Ferris's personal awards include the Navy and Marine Corps Commendation Medal and multiple unit and service awards. He is a qualified Submarine Warfare Officer, Engineering Duty Officer, Docking Officer, and Diving Officer.

He and his wife, Lisa, have four children: Nina, Eva, Maximilian, and Lincoln.

PROGRAM MANAGER SESSIONS

PMS 425 (SUBMARINE COMBAT AND WEAPONS CONTROL PROGRAM)

PMS 425's mission is to provide submarine situational awareness using information from all submarine sensors. Systems enable the crew to localize targets and prosecute them by presetting, launching, and controlling submarine payloads.

CAPT David Vehon, USN

Captain Vehon is a native of Apache Junction, Arizona and graduate of Arizona State University with a degree in Bio Medical Engineering. He received his commission through the Nuclear Propulsion Officer Candidate (NUPOC) program and Officer Training Command in Pensacola Florida. He also holds a Master's in National Defense and Strategic Studies from the Naval War College. He is an Acquisitions Professional and holds an advanced level of certification in Program Management.

His sea tours include division officer assignment on USS FLORIDA (SSBN 728) (B), Weapons Officer onboard USS PHILADELPHIA (SSN 690), and Executive Officer onboard USS PASADENA (SSN 752). He commanded "The Bold One" USS JACKSONVILLE (SSN 699).

His shore assignments include Submarine Watch Officer for Commander Submarine Forces, U.S. Atlantic Fleet; Embedded Military Liaison for ISAF Joint Command, Kabul Afghanistan: Director for C4I TAG, COMSUBDEVRON Twelve; Director for Special Submarine Operations (N34) Commander Submarine Forces, U.S. Atlantic Fleet; Deputy for Readiness, Submarine Squadron Six, Deputy Branch Head for Submarine Weapons Systems (N972), OPNAV N97, Assistant Program Manager, IWS5A and Principle Assistant Program Manager for Mission Execution at PMS 394.

He is married to the former Ms. Jenifer Alexander of Apache Junction, Az and together they raised their three sons Quinton, Gage and Rory to be amazing men.

PMS 435 (SUBMARINE ELECTROMAGNETIC SYSTEMS PROGRAM)

Designs, develops, and oversees the construction of Electronic Warfare Systems, periscopes, and the Photonics Mast.

CAPT Kevin Moller, USN

Captain Kevin O. Moller graduated from the University of Wisconsin – Madison in 1996, received a Bachelor degree in Mechanical Engineering and was commissioned through the Naval ROTC program. He holds a Master of Business Administration from Marquette University and Master of Science in National Resource Strategy from the Industrial College of the Armed Forces. His operational tours include duty as a division officer on USS GEORGIA (SSBN-729) (BLUE), engineer officer on USS BUFFALO (SSN-715), strike and operations officer at US Strategic Command Airborne Command Post and executive officer on USS TOLEDO (SSN-769). He most recently served as Commanding Officer on USS JEFFERSON CITY (SSN 759). Ashore he was a NROTC instructor at Marquette University in Milwaukee, Wis., where he was selected as the Navy's 2002 Instructor of the Year. He was assigned to the Office of Future Warfare Capabilities at the National Geospatial-Intelligence Agency and as a deputy commander at Submarine Squadron Sixteen. Following his commanding officer tour, he was the Director of Inspections at the Office of the Naval Inspector General and most recently served as the Director of Test and Evaluation in the Joint Undersea Weapons Program Office. Moller's decorations include the Legion of Merit, Defense Meritorious Service Medal (2 awards), Meritorious Service Medal (2 awards), Navy and Marine Corps Commendation Medal (5 awards), Navy and Marine Corps Achievement Medal (3 awards), and several other unit and service awards.

PROGRAM MANAGER SESSIONS

PMS 450 (VIRGINIA CLASS PROGRAM)

Oversees the design, construction and delivery of the United States' newest attack submarine

CAPT Mike Hollenbach, USN

Captain Mike Hollenbach is a native of Spokane, Washington. He majored in Mechanical Engineering at the U.S. Naval Academy and graduated with distinction in 1997. He holds Master's Degrees in Leadership and Human Resource Development from the Naval Postgraduate School; Engineering Management from Old Dominion University; and National Security and Strategic Studies from the U.S. Naval War College.

Captain Hollenbach's sea duty assignments include a junior officer tour on the USS FLORIDA (BLUE) (SSBN 728), where he completed six strategic deterrent patrols and served as the Reactor Controls Assistant, Tactical Systems Assistant and Damage Control Assistant. He served 44-months as the Engineer Officer on SUBMARINE NR-1, where he completed one Gulf of Mexico and two Western Atlantic mission periods, a EUCOM deployment with multiple mission periods and a decommissioning availability. He served as Executive Officer aboard USS MIAMI (SSN 755), where he completed his second EUCOM Deployment. He served as Commanding Officer of the USS NORTH DAKOTA (SSN 784), the first Block III Virginia Class submarine. While in command, he completed a 16-month Post Shakedown Availability and one year of Western Atlantic operations and testing, including the first ever Tomahawk missile launches from the Virginia Payload Tube, Virginia Class Block III Combat System certifications, Large Aperture Bow (LAB) Array certifications, and all crew inspections and certification events necessary for NORTH DAKOTA to commence deployment preparations.

Captain Hollenbach's shore assignments include a Company Officer tour at the U.S. Naval Academy (2002-2005), one year as a student in the College of Naval Warfare at the U.S. Naval War College (2009-2010), two years on the Joint Staff J8 Directorate, where he served as both a Senior Analyst and an Executive Assistant (2012-2014), and two years in the Office of Legislative Affairs as the Navy's Congressional Liaison for Undersea Warfare and Strategic Programs (2018-2019). Captain Hollenbach became a Submarine Acquisition Professional in January of 2020 with an initial assignment as the Principal Assistant Program Manager (PAPM) for Warfare Requirements, Test and Evaluation in both the Virginia and Columbia Program Offices. He has also served as the Program Manager for SUB 073 (Advanced Submarine Systems Development) and as the Program Manager for PMS 401, Submarine Acoustic Systems. Captain Hollenbach became the Virginia Class Submarines Program Manager in June of 2023.

Captain Hollenbach is entitled to wear the Legion of Merit (3 awards), Defense Meritorious Service Medal, the Navy Meritorious Service Medal (2 awards) and various other unit and personal awards. He is married to the former Heather May of Arnold, MD. They live in Davidsonville, MD, with their son, Ryan, and daughter, Sara.

SSN(X) (NEW ATTACK SUBMARINE)

Responsible for development of next-generation attack submarine program.

CAPT Pete Small, USN

CAPT Pete Small is the project officer for SSN(X), the New Attack Submarine, in PEO Attack Submarines. He has served across all phases of manned and unmanned ship and submarine acquisition. In Washington D.C. he has served as Program Manager of Unmanned Maritime Systems Program and in the COLUMBIA, Advanced Undersea Systems, and AUKUS programs. He delivered submarines from both Supervisors of Shipbuilding Newport News, VA and Groton, CT and served as an Associate Professor of the Practice at MIT. CAPT Small started his Navy career in submarines aboard USS L. MENDEL RIVERS (SSN 686) and deployed to the Mediterranean Sea and Arabian Gulf. CAPT Small is a graduate of MIT, Columbia, and the University of Virginia and is a professional engineer in the state of Virginia.

FLEET AWARDEES

REAR ADMIRAL JACK N. DARBY AWARD
FOR INSPIRATIONAL LEADERSHIP AND EXCELLENCE OF COMMAND

CDR SCOTT A. BRESNAHAN, USN

CDR Scott A. Bresnahan is a native of Fairfax Station, Virginia. He is a 2003 graduate of the United States Naval Academy, receiving a Bachelor of Science in Economics. He also earned a Master of Science in National Security Strategy from the National War College in 2020.

At sea, he deployed to both the Pacific and European theatres, serving as multiple division officer billets on USS LA JOLLA (SSN 701), Navigator and Weapons Officer onboard USS TEXAS (SSN 775), and Executive Officer onboard USS NORTH CAROLINA (SSN 777). He commanded USS INDIANA (SSN 789) in Groton, Connecticut from April 2021 to June 2023.

His shore tours include serving as an instructor at Naval Submarine Training Center Pacific, Operations Officer for Submarine Squadron One, and Congressional Liaison for the Navy for the Senate and House Appropriations Committees as part of the Office of the Assistant Secretary of the Navy for Financial Management and Comptroller. He currently serves as Director, Ocean Systems and Nuclear Matters for Deputy Chief of Naval Operations for Operations, Plans and Strategy (N3N5).

CDR Bresnahan is authorized to wear four Battle Efficiency awards, two Navy Unit Commendations, and a Meritorious Unit Commendation earned by the exceptional crews he has been a part of during service aboard those boats.

VICE ADMIRAL LEVERING SMITH AWARD
FOR SUBMARINE SUPPORT ACHIEVEMENT

CTTC (SG/IW) Daryl F. Maynes, USN

Chief Maynes was born 10 April 1981, in Bellport, NY, and enlisted in the U.S. Navy on December 19, 1999. He attended Basic Training at the Recruit Training Center, Great Lakes, and CTT "A" School at Pensacola. He reported to Naval Security Group Activity Pearl Harbor, completed Electronic Support Measures Basic Operator through ESM Supervisor qualifications, supporting 8 submarine deployments, and awarded the NEC of 9135.

In 2003 at Naval Information Operations Command Meade, he was awarded the NEC of 9141 as an Intermediate ELINT Analyst. He supported DIRSUP submarine operations and authored two ESM Personnel Qualification Standards.

Chief Maynes transferred to COMUSNAVCENT, Bahrain in 2007 as an intelligence analyst, Leading Petty Officer, and Deputy Intelligence Watch Officer and oversaw ELINT operations in CENTCOM AOR.

While at NIOC Hawaii DIRSUP Submarines, he served as an ESM Supervisor and Leading Petty Officer supporting 11 submarine deployments.

Transferring to the Center for Information Warfare Training in 2014, he underwent the Air Force Basic Instructor Course facilitating over 5,000 instruction hours with a 98% pass rate as a Navy instructor.

In 2018 Maynes reported to NIOC Georgia DIRSUP Submarines, serving as an ESM Supervisor and LCPO supporting 7 Submarine deployments.

At UWDC Norfolk since 2021, Maynes works on Submarine Electronic Warfare Wholeness, Submarine EW System design and testing. He authored a course on EW tactics and training, provided input into fleet submarine doctrine, and trained several platforms and Submarine learning facilities.

CTTC Maynes's awards include three Navy and Marine Corps Commendation Medals, nine Navy and Marine Corps Achievement Medals, six Good Conduct medals and various Unit and Campaign awards. He and his wife Erin reside in Norfolk, Virginia with their dog, Lucy

FLEET AWARDEES

TORPEDOMAN SECOND CLASS HENRY BREAULT AWARD FOR SUBMARINE PROFESSIONAL EXCELLENCE

YNS2(SS) RUTGER GOODMAN, USN

Petty Officer Goodman is a Yeoman Submarines Second Class stationed at PMOSSP Shipboard Systems in Pittsfield, MA where he serves as the Command Yeoman.

Raised in Ephrata, PA, Petty Officer Goodman enlisted in the United States Navy in July of 2019 and completed Boot Camp at Recruit Training Command in Great Lakes, IL. He reported to Naval Technical Training Command in Meridian MS to attend Yeoman A School and Naval Submarine Base in Groton, CT to attend Submarine School.

In 2020, he reported to USS JEFFERSON CITY (SSN 759) stationed out of Pearl Harbor, HI and was assigned as the interim Leading Yeoman during a change of homeport and moved over 17 families with ZERO error. After a Change of Homeport to Guam, Petty Officer Goodman qualified Chief of the Watch and was later Meritoriously Promoted to Yeoman Submarine Second Class.

He maintained a high state of readiness for over 150 Sailors and processed over $450,000 dollars in entitlements. JEFFERSON CITY was awarded the 2022 COMSUBRON 15 Personnel Readiness White "P". Petty Officer Goodman qualified Diving Officer of the Watch and Duty Chief Petty Officer. He was selected JEFFERSON CITY's 2022 Junior Sailor of the Year. He completed two WESTPAC deployments and awarded the Navy Unit Commendation and the Navy "E" awards.

In May of 2023, Petty Officer Goodman reported to PMOSSP Shipboard Systems to serve as the Command Yeoman.

Petty Officer Goodman's decorations include the Navy and Marine Corps Achievement Medal (Three awards), Navy Expeditionary Medal, and other ribbons and service awards.

Petty Officer Goodman resides in Pittsfield, MA, with his wife, Corina.

VICE ADMIRAL CHARLES A. LOCKWOOD AWARD FOR SUBMARINE PROFESSIONAL EXCELLENCE

LT JENNIFER R. HEDGECOTH USN

LT Jennifer Hedgecoth started her Naval Career at the United States Naval Academy, graduating in 2018 with a B.S. in Nuclear Engineering. She received the Pownall Scholarship, allowing her to pursue her master's degree in Nuclear Energy at the University of Cambridge.

She reported to USS GEORGIA (B) SSGN 729 in 2021. She rapidly became the top performing Junior Officer on board. She became the Engineer Officer as the ship transitioned into a Major Maintenance Period and extended drydock period following an unplanned loss. As Engineer, LT Hedgecoth led the Engineering Department through several complex reactor plant evolutions and maintenance items, initiated numerous critical path upgrades to Sonar, Fire Control, and the Local Area Network, and oversaw the ship's drydocking evolution safely and efficiently. The drydocking evolution was noted by Trident Refit Facility as one of the best coordinated and executed drydocking evolutions in Kings Bay.

As the Quality Assurance Officer, she managed more than 150 Controlled Work Packages and Formal Work Packages throughout the maintenance period. This allowed GEORGIA to execute the availability on time. Her devotion significantly contributed to the USS GEORGIA's selection of the 2022 Battle Efficiency "E" and Engineering Red "E" awards in Submarine Squadron Sixteen.

LT Hedgecoth was selected to certify and stand Officer of the Deck in support of national tasking and complex naval exercises. She leads her watchteam and fellow Junior Officers, elevating their tactical abilities and processes daily.

FLEET AWARDEES

MASTER CHIEF FRANK A. LISTER AWARD FOR EXCEPTIONAL LEADERSHIP AND MOTIVATION WHILE SERVING AS A CHIEF OF THE BOAT

MMNCM(SS) JASON S. HAYS, USN

Master Chief Hays is a native of Midwest City, Oklahoma. He enlisted in the Navy on April 1, 2003 and attended basic training in Great Lakes, Illinois. Upon graduation, he reported to Machinist Mate "A" School in Charleston, South Carolina. He graduated from Nuclear Power School and Nuclear Prototype Training in Charleston, South Carolina.

His sea duty assignments include the USS City of Corpus Christi (SSN 705), USS Buffalo (SSN 715), USS Topeka (SSN 754), and USS Chicago (SSN 721). In October 2021, he reported to USS Annapolis (SSN 760) as the Chief of the Boat.

Ashore, he has served as a Staff Instructor at the Nuclear Prototype Training Unit and as Engineering Department Master Chief on the staff of Submarine Squadron Fifteen.

Master Chief Hays's personal awards include the Navy and Marine Corps Commendation Medal (three) and the Navy and Marine Corps Achievement Medal (ten). He has served with crews that have earned five Battle Efficiency awards and various unit and campaign awards

CHIEF PAUL GOLDEN SAUNDERS AWARD FOR SUBMARINE PROFESSIONAL EXCELLENCE

FTC(SS) MICHAEL L. DANIELS, JR., USN

FTC Daniels is originally from Jacksonville, Florida. He enlisted in the Navy in December, 2005 from Jacksonville, Florida. He attended Recruit Training Command in Great Lakes, Illinois, and Fire Control Technician "A" School in Groton, Connecticut. He reported to his first sea command, USS Maine (SSBN 741)(Blue) in January, 2007. While onboard, Chief Daniels qualified Submarines and Fire Control Technician of the Watch, served as the ship's First Lieutenant, and was advanced to Petty Officer Second Class.

He reported to USS Tennessee (SSBN 734) (Gold) in September, 2011 and served as the Fire Control Division Leading Petty Officer, First Lieutenant and the Assistant 3M Coordinator. He qualified Diving Officer of the Watch, was advanced to Petty Officer First Class, and was selected for advancement to Chief Petty Officer in 2015.

Chief Daniels reported to Trident Refit Facility - Kings Bay, in September, 2018. There, he served as Lead Weapons Ship Superintendent, Senior Watch Officer, and the Anti-Terrorism and Force Protection Officer.

Following this tour, Chief Daniels reported onboard USS West Virginia (SSBN 736) (Gold) in April, 2021. He is currently serving as the Weapons Department Enlisted Advisor, and the command 3M Coordinator.

His hobbies include amateur (ham) radio, camping, and reading.

FTC Daniels is authorized to wear the Navy and Marine Corps Commendation Medal, Navy and Marine Corps Achievement Medal (four awards), and various unit commendations.

He is married to the former Stevie Piazza of Jacksonville, Florida. They have enjoyed marriage since July, 2014. Together, they have (4) children; Gavin (18), Connor (16), Duane (13) and Logan (10).

FLEET AWARDEES

REAR ADMIRAL FREDERICK B. WARDER AWARD FOR OUTSTANDING ACHIEVEMENT

CSS2 DAKOTA J. AUBRY, USN

A native of Lambertville, Michigan, Petty Officer Aubry graduated from Bedford Senior high school in 2010. He earned associate degrees in Culinary Arts from Monroe County College in 2013, and Business from Sienna Heights University in 2015

Aubry was advanced to culinary specialist Third Class for graduating top of his CS "A" class in Fort Gregg-Adams in Fort Lee, VA. Following basic Submarine School in Groton, CT, he reported to USS JIMMY CARTER (SSN 23).

Onboard JIMMY CARTER, he has stood as Pantry watch, Galley watch captain, Jack of the Dust, Records keeper, and CS division Leading Petty Officer. Throughout his tour, BIG JIM's Café was recognized with the Commander, Submarine Development FIVE Supply "E" for 2020 and 2021, and the 2021 Edward F. Ney Culinary Award for the best submarine galley in the Submarine Force.

He served as the President of the Recreation Committee, established a "safe ride" program, and assisted the understaffed CS Division of the USS CONNECTICUT (SSN 22) during an extended at-sea training period, and was promoted to Culinary Specialist (submarines) Second Class. Aubry was selected for the Navy's Culinary Arts Team, competing at the 2020 International Culinary Arts Competition, winning three silver medals. Petty Officer Aubry was JIMMY CARTER'S junior Sailor of the year FY 2023.

In his off-time, when not in the galley inventing new crew-pleasing desserts, he can be found in control working on Chief of the watch qualifications. Petty Officer Aubry was selected for his shore duty station on the staff of the Secretary of The Navy at the Pentagon. His personal Awards include Navy and Marine Corps Achievement Medals (6 Awards), Good Conduct Medal, and Sea Service Deployment Ribbon.

NAVAL SUBMARINE LEAGUE

Active Duty

Awards
Commissioning Committees
NROTC
Sub Clubs

FLEET AWARDEES

VICE ADMIRAL J. GUY REYNOLDS AWARD FOR EXCELLENCE IN SUBMARINE ACQUISITION

CAPTAIN MARK C. PARRELLA, USN

Captain Mark Parrella, originally from Arlington, VA, attended the United States Naval Academy graduating with merit in 1999 with a Bachelor of Science in Aeronautical Engineering. He also received a Master of Science in Nuclear Engineering in 2000 from the University of Maryland.

After completing nuclear power and submarine training, Captain Parrella served aboard USS TOLEDO (SSN769) from November 2001 to June 2004. The ship deployed in support of both Operation Enduring Freedom and Operation Iraqi Freedom.

In 2004, Captain Parrella reported to the Office of Naval Intelligence, where he served as a submarine intelligence analyst. He earned a Master of Arts in National Security and Strategic Studies from the Naval War College.

In 2007, Captain Parrella reported to the Supervisor of Shipbuilding, Conversion, and Repair, Newport News, VA as an Assistant Project Officer for VIRGINIA-Class Submarine Construction. He served as the Delivery Assistant Project Officer for the USS NEW MEXICO (SSN779), the Launch Officer for the USS CALIFORNIA (SSN781), and supervised submarine module deliveries.

Captain Parrella reported to PEO Submarines in June 2011 and served as the Deputy Assistant Program Manager for New Acquisitions in the Advanced Undersea Systems Program Office (PMS-394).

In 2015, Captain Parrella reported to the Supervisor of Shipbuilding, Conversion, and Repair, Groton, CT as the VIRGINIA Class Project Officer and Program Manager's Representative. He delivered the USS ILLINOIS (SSN 786) and USS COLORADO (SSN 788) to the fleet, and re-delivered USS MINNESOTA (SSN 783), USS NORTH DAKOTA (SSN 784), and USS ILLINOIS (SSN 786) following their Post-Shakedown Availabilities.

In 2018, Captain Parrella reported to the COLUMBIA Class Program Office (PMS-397) as the Principal Assistant Program Manager for Construction and Test, responsible for all aspects of construction readiness and lead ship construction of the COLUMBIA SSBN, including the joint United States/United Kingdom Common Missile Compartment program.

Captain Parrella served as the Program Manager for Undersea Weapons (PMS-404) from August 2020 to April 2022. He was responsible for all acquisition and life cycle support of all Navy undersea weapons programs, including two Joint Programs with the Commonwealth of Australia.

Captain Parrella reported as the Program Manager of the COLUMBIA Class Submarine Program (PMS-397) in May 2022.

Captain Parrella's awards include the Legion of Merit, Meritorious Service Medal (two awards), Navy Commendation Medal (three awards), Navy Achievement Medal (six awards), and other various unit awards. He is a DoD Acquisition Corps member.

Captain Parrella is married to the former Carrie McKennedy of Chantilly, VA, and has two daughters, Emma and Rebecca.

LITERARY AWARDS

CIVILIAN	ACTIVE DUTY
FIRST PLACE	
Dick Daniels "Growing up the Hard Way: WWII Submarine Service & Beyond" December 2022	LT Zach Wells, USN "ICEX 2022: Transiting to the North Pole" December 2022
SECOND PLACE	
CAPT David C. Klinger, USN (Ret) CAPT Ralph H. Stoll, USN (Ret) "It Stricted My Board" September 2023	LCDR James Landreth, PE, USNR LT Andrew Pfau, USN "Forging the APEX Predator: Unmanned Systems and SSN(X)" December 2022
THIRD PLACE	
CAPT Demetri Capetanopoulos, USN (Ret) "The United States Submarine Force Reserve Component" December 2022	LTjg Tom Slattery, USCG "Leveraging Navy Submarine Intel in Support of USCG Drug Interdiction" September 2023

DOLPHIN AWARDS

The Dolphin Award recognizing the Officer and Enlisted member serving onboard a commissioned submarine on 11 April who have the earliest date of qualification in submarines.

GOLD WINNER

CAPT Jesse J. Zimbauer, USN
USS Georgia (SSGN 729) (Gold)

SILVER WINNER

MTCM(SS) Darrell K. Powell, USN
USS Louisiana (SSBN 743) (Gold)

The Serco Team continues to play a role in every major U.S. Navy submarine program. With more than 40 years of unparalleled experience in total integrated ship design, Serco works across all major ship platforms including submarines, USVs, and UUVs.

The Serco Team combines world-class engineering, acquisition, logistics, financial, and program management professionals who comprise a highly talented and diverse team that is well positioned to provide surge capability and other on-going support to every aspect of Team Submarine – a breadth unmatched in the contractor support community.

- VIRGINIA Class
- COLUMBIA Class
- SSN(X)
- AUKUS
- Submarine Industrial Base
- Undersea Weapons
- Cybersecurity
- Submarine Integrated Power Systems
- Marine Engineering
- Submarine In-Service Programs
- SUBSAFE / Fly-By-Wire
- Advanced Materials
- Lifecycle Management
- Finance and Cost Estimating

The Serco Team builds on decades of research and development, science and technology, and core engineering capabilities to continue to solve the toughest problems in naval architecture and marine engineering, operational support, modeling and simulation, power generation, and other mission-critical areas.

Discover your place in our world.

Learn more about us:
serco.com/na/careers

serco

DISTINGUISHED CIVILIAN AWARD

CAPT Carl H. Oosterman, USN (Ret)

FOR SIGNIFICANT CONTRIBUTION TO THE SUBMARINE FORCE

Carl Oosterman was born in Worcester, Massachusetts and grew up in Framingham. He holds a B.S. in Naval Engineering degree from the U.S. Naval Academy, a Master of Civil Engineering degree from the University of Delaware, and both a M.S. in Nuclear Engineering degree and a Naval Engineer degree from the Massachusetts Institute of Technology. He is also a graduate of the Bettis Reactor Engineering School in Pittsburgh, Pennsylvania (a school with classified curriculum recognized by the U.S. Navy as a Masters Degree program).

His first six years of his 30 year Navy career were in graduate school and on the destroyer USS ROBERT L. WILSON (DD 847) as Main Propulsion Assistant and Engineer. He joined the Naval Reactors (NR) program in 1975 and, after retiring from the Navy in 1999, continued in government service as a member of the Senior Executive Service until he retired in 2010.

His assignments included LOS ANGELES Class (SSN 688) submarine design and testing, aircraft carrier reactor servicing and shipyard field office work during his early years at Naval Reactors. In 1981 he began his program management career as an assistant surface ship program manager for maintenance and repair of CVN 65, CGN 9, CGN 25 and CGN 35. Three years later, because of his naval engineering background, he became the assistant submarine program manager for SEAWOLF Class (SSN 21) propulsion plant design, manufacturing, construction and testing. Subsequently, in 1989, he became the SEAWOLF Class propulsion plant design manager.

He became Program Manager in July 1992 for VIRGINIA Class submarine propulsion plant design, component manufacture, ship integration, construction and testing. He was a principle member of the Navy team behind instituting the successful Integrated Product and Process Development (Concurrent Engineering) in VIRGINIA.

His responsibilities were expanded in 1997 to include OHIO Class and SEAWOLF Class submarine construction. In 2004 and 2005 he also led the NR Program design, development and production project for space nuclear propulsion in support of NASA's Project Prometheus. In 2005, after the NASA project was cancelled, he also became program manager for recapitalizing and maintaining facilities at NR laboratory sites. In 2006, his responsibilities were further expanded to include project initiation and development for the nuclear propulsion plant for a new class of strategic missile submarines.

He has led USS LOUISIANA (SSBN 743), USS CONNECTICUT (SSN 22), USS VIRGINIA (SSN 774), USS JIMMY CARTER (SSN 23), USS TEXAS (SSN 775), USS HAWAII (SSN 776), USS NEW HAMPSHIRE (SSN 778)and USS MISSOURI (SSN 780) initial sea trials.

His Program Manager duties also included overall coordination of nuclear submarine propulsion research and development within the U.S. Navy and associated technology exchange with foreign governments. He has supported from their inception both the Foreign Military Sales Agreement with the United Kingdom on the ASTUTE submarine program and nuclear submarine propulsion plant technology exchange with the United Kingdom. He directed the formation of a field office in the United Kingdom in 2008 to improve technology transfer work.

Since his retirement in July 2010, he has been active in community and church volunteer work.

Carl Oosterman is married to the former Margaret Ann Hawkins of Lynchburg, Virginia. They have two grown children, Brian and Elizabeth, and five grandchildren.

DISTINGUISHED SUBMARINER AWARD

ADM Edmund P. Giambastiani, USN (Ret)

FOR OUTSTANDING SERVICE TO THE NATION

In his final assignment on active duty, Admiral Giambastiani served as the Seventh Vice Chairman of the Joint Chiefs of Staff, the second ranking officer in the U.S. military. He currently serves as a member of the board of trustees of the various Invesco Exchange Traded Fund Trusts, the U.S. Naval Academy Foundation Athletic and Scholarship programs. He is a member of the board of managers of Innovative Defense Technologies, a company specializing in automated test, retest, and analysis of highly complex software systems.

He retired from the board of directors of The Boeing Company after twelve years. He served as the chairman of a special committee on Airplane Policies and Procedures and as the founding chairman of the company's Aerospace Safety Committee. He served as the non-executive chairman of the board of Monster Worldwide, Inc. until November 2016; as a trustee of the MITRE Corporation and the Oppenheimer Funds May 2019; and finally as a board member of First Eagle Alternative Credit.

He serves on the advisory boards of the MIT Lincoln Laboratory and Lawrence Livermore National Laboratory and has served as a member and the chairman of the USNA Alumni Association's Distinguished Graduate Selection committee and the advisory board of the Maxwell School of Citizenship and Public Affairs of Syracuse University.

Since retirement from the Navy, he has served on U.S. Government advisory boards, accident/incident investigations and task forces for the Secretaries of Defense, State and Interior and the Director of the Central Intelligence Agency. Activities include the Secretary of Defense's Task Force on DoD Nuclear Weapons Management, the Defense Science Board, the National Academy of Engineering/National Research Council committee commissioned by the Secretary of the Interior that examined the Deepwater Horizon Blowout and recommended Lessons for Improving Offshore Drilling Safety and the Secretary of State's International Security Advisory Board. He served as the chairman of the Secretary of the Navy Advisory Panel, as a member of the National Security Agency's Advisory Board Cyber Awareness and Response Panel. He served as a federal commissioner on the Congressionally mandated Military Compensation and Retirement Modernization Commission resulting in the most significant changes in over five decades.

On active duty, Admiral Giambastiani held extensive operational and staff assignments including command at the submarine, submarine squadron, fleet, allied and joint service level. He is a nuclear trained submarine officer and has extensive experience in organizations that were responsible for experimentation, technology development and change. His commands include Submarine NR-1, USS Richard B. Russell (SSN 687), Submarine Development Squadron 12, Submarine Force U.S. Atlantic Fleet and Anti-Submarine Reconnaissance Forces, Atlantic.

As a junior officer and assistant weapons officer, USS Puffer (SSN652) was the first Pacific Fleet submarine to be certified to carry the MK48-1 torpedo. He was the 1973 winner of the Fleet Commander's Junior Officer Submarine Ship handling Competition. As Engineer Officer of USS Francis Scott Key (SSBN 657), the ship was the first to be certified for and deploy on a strategic deterrent patrol with the Trident-I missile. He served as officer of the deck for the firing of all 11 Trident-I missiles which included 5 Production and Evaluation Missiles (PEM), 2 Demonstration and Shakedown Operations missiles (DASO) and 4 Operational and Test Evaluation missiles.

DISTINGUISHED SUBMARINER AWARD

ADM Edmund P. Giambastiani, USN (Ret)
(Continued)

Shore tours included the Navy Recruiting Command as the Nuclear Field, Advanced Electronics and Advanced Technical Field program manager at the beginning of the all-volunteer force, the first special assistant to the Deputy Director Intelligence, Central Intelligence Agency, Director of Strategy and Concepts Naval Doctrine Command, Deputy Chief of Staff for Resources and Requirements U.S. Pacific Fleet, Director Submarine Warfare Division (OPNAV N87) and Deputy CNO for Resources, Requirements and Assessments (OPNAV N8). While Director of the Submarine Warfare Division, he and his staff guided the New Attack Submarine (NSSN) (later designated Virginia Class) program through the DoD milestone approval process and established the highly successful Acoustic Rapid COTS Insertion Program.

Following OPNAV N8, he served as the Senior Military Assistant to Secretary of Defense Donald Rumsfeld, as Commander, United States Joint Forces Command, and it's 1.1 million Army, Navy, Air Force and Marine Corps service members and as NATO's first Supreme Allied Commander Transformation. On his final active-duty tour as Vice Chairman of the Joint Chiefs of Staff, he also co-chaired the Defense Acquisition Board and was a member of the National Security Council Deputies Committee, the Nuclear Weapons Council, and the Missile Defense Board. He supported the rapid validation and resourcing of Joint Urgent Operational Needs by exploiting conventional technology and existing capabilities to meet emergent warfighter requirements.

As head of the Joint Requirements Oversight Council, Admiral Giambastiani instituted up-front cost-benefit analyses, modified poorly performing initiatives, and grouped interrelated requirements into four Joint Capability Portfolios of logistics, battlespace awareness, net-centric operations, and command and control systems. To better protect service members in combat, he focused on counter improvised explosive device (IED) programs/organizations and biometric capabilities for deployed forces.

Born and raised in Canastota, New York, Admiral Giambastiani holds a BSc from the U.S. Naval Academy where he graduated with leadership distinction. He has been named as a distinguished graduate of the USNA. He is a distinguished graduate of the Submarine Officer Advanced Course and served a one-year fellowship at the Naval War College on the Chief of Naval Operations Strategic Studies Group.

Admiral Giambastiani's awards include 12 Distinguished Service Medals. He is most proud of his 19 unit awards and commendations because they recognize the participation and accomplishments of the entire team. He has been awarded the General Douglas MacArthur Meritorious Service Award, The David Sarnoff Award from the Armed Forces Communications and Electronics Association, the Precision Strike Gold Medal, the Distinguished Civilian Service Award by the Secretary of the Navy and has served as the Grand Marshall of the 64th Columbus Day Parade in New York City. He is a member of the Atlantic Council of the United States, the Council on Foreign Relations, the Naval Academy Alumni Association, the American Radio Relay League and the United States Naval Institute.

Admiral Giambastiani and his wife Cindy have two children and five grandchildren.

DISTINGUISHED SUBMARINER AWARD

VADM Paul E. Sullivan, USN (Ret)

FOR OUTSTANDING SERVICE TO THE SUBMARINE FORCE

Paul Sullivan is a senior Navy civilian advising the leadership team that designs, acquires, builds, tests, and sustains submarines for the United States Navy. He has served in this position since March 2020. He focused on the AUKUS Submarine Consultation period from 2021 to 2023 as the Navy's lead. Upon completion of the Consultation period, he returned to a more general role, as a senior advisor on AUKUS, Submarine Safety, Acquisition, Design and Submarine Research and Development. In this capacity, he draws on his extensive background from a 34-year Naval career as an Engineering Duty Officer, from Project Management in the Nuclear Power industry, and from his R&D experience running a major Navy-affiliated laboratory.

VADM(Ret) Sullivan returned to the Navy as a civilian following his leadership position as the Executive Director of the Applied Research Laboratory, and Senior Scientist at The Pennsylvania State University (ARL Penn State). ARL Penn State is an integral part of one of the leading research universities in the nation and serves as a University Center of Excellence in Defense science, systems, and technologies with a focus in naval missions and related areas. As a DoD-designated, U.S. Navy UARC (University Affiliated Research Center), ARL Penn State maintains a long-term strategic relationship with the U.S. Navy and provides support for the other services. ARL provides science, systems, and technology for national security, economic competitiveness and quality of life through education, scientific discovery, technology demonstration, and transition to application.

Prior to his time at ARL Penn State, Sullivan served as Vice President for Operations, and subsequently Chief Engineer and Vice President for the American Centrifuge Project at USEC Inc., a publicly-traded corporation that sustained U.S-based uranium enrichment for the commercial nuclear power industry. While at USEC, Sullivan led the successful development, design, construction, and test of a prototype enrichment cascade of American Centrifuge Machine technology in a joint USEC/DOE project.

Sullivan's naval career spans graduation from the U.S. Naval Academy in 1974 to his retirement as a Vice Admiral in command of the Naval Sea Systems Command in 2008. Vice Admiral Sullivan's early career as a Surface Warfare Officer transitioned to Engineering Duty, where he focused principally on design and construction of Submarines. His waterfront assignments include project leadership in overhaul and repair at Norfolk Naval Shipyard and in new construction at Supervisor of Shipbuilding Groton, CT. At NAVSEA Headquarters, VADM Sullivan served extensively in "Team Submarine", eventually becoming SEAWOLF Class Attack Submarine Program Manager and subsequently VIRGINIA Class Attack Submarine Program Manager. VADM Sullivan was selected to Flag rank in 2001 and served at NAVSEA as the Deputy Commander for Ship Design, Integration and Engineering, and finally as the COMMANDER of NAVSEA.

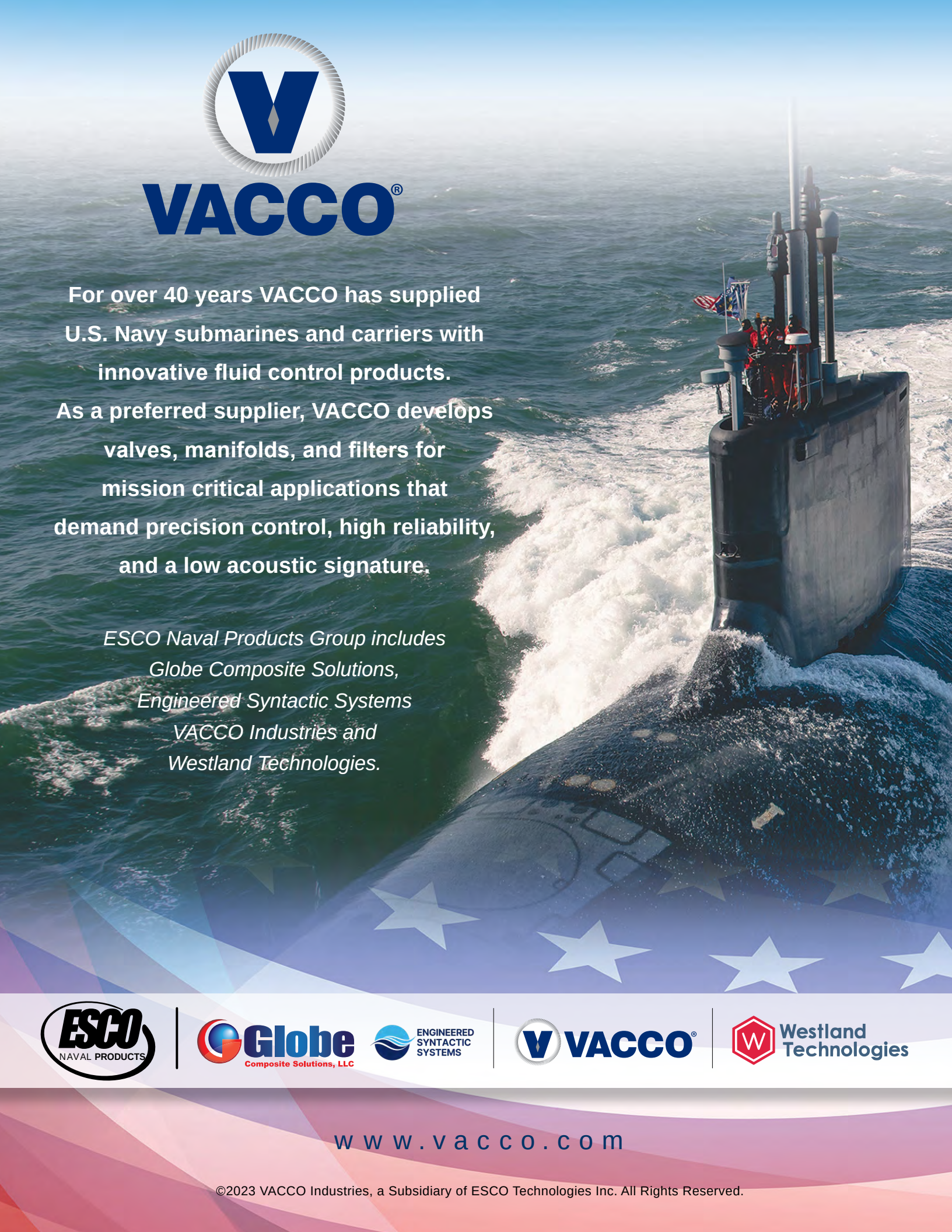


PHOTO AWARDS

1ST PLACE

MMA2 (SS) Jay Matzek, USN

This photo was taken one night in January before a USS San Juan deployment out of Groton.

2ND PLACE

STS2 (SS) Spencer Ocampo, USN

The USS Mississippi (SSN 782) conducting trials in Alaska in 2023. The boat just got out of the shipyard last year and has been a very active boat in the pacific fleet. Hooyah Mississippi!

PHOTO AWARDS

3RD PLACE

EMNC (SS) Keenan Krenzer, USN

USS Georgia (SSGN 729) transiting the Mediterranean Sea during a special operations forces exercise.

HONORABLE MENTIONS

Mr. Philip Medbery

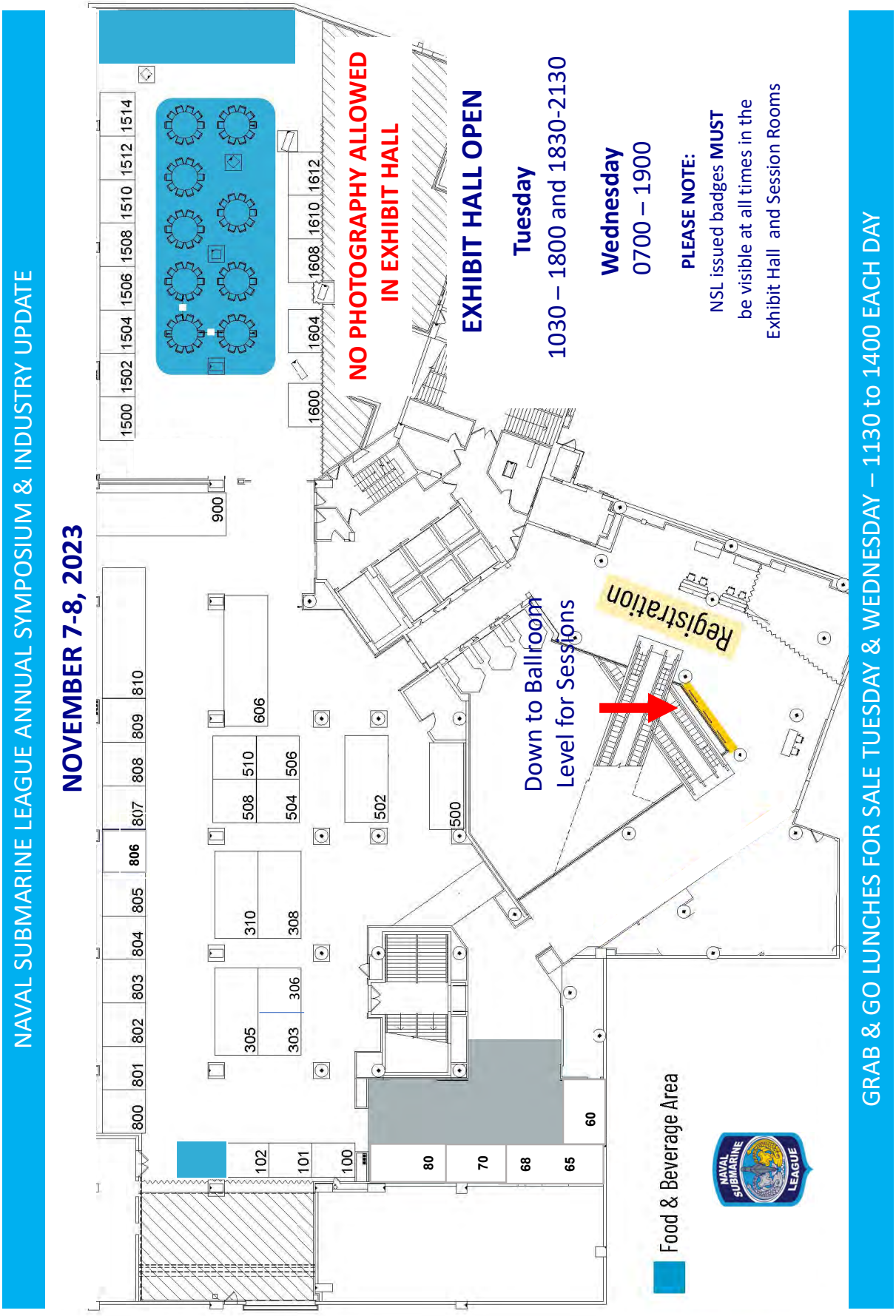
The USS Providence returning from Deployment with the families awaiting.

Mr. Dan Walls

EXHIBITOR LIST

BOOTH	COMPANY
806	Addman Group
1608	ASNE
504	Boeing
310	CAE
809	Curtiss-Wright
1508	DMG Mori
1600	Dolphin Scholarship Foundation
807	ESCO Naval Group
102	GDCA
305	General Atomics Electromagnetic Systems
900	General Dynamics Electric Boat
810	General Dynamics Mission Systems
1506	George Wallace
1500	Govini
303	HOLTEC
306	Innovative Defense Technologies - IDT
500	L3Harris Technologies
801	Lincoln Electric Additive Solutions
506	Linear Integrated Systems, Inc
606	Lockheed Martin
800	Major Tool & Machine, A Precinmac Company
802	National Inspection and Consultants
510	National Institute for Undersea Vehicle Technology (NIUVT)
1504	Naval History and Heritage Command
80	Naval Submarine League
508	Navy STP
900	Newport News Shipbuilding
65	North Carolina Submarine Museum
502	Northrop Grumman
308	Oceaneering International
803	Orbis
804	Rite-Solutions
101	SEACORP, LLC
805	Teledyne Technologies
1502	U.S. Naval Sea Cadet Corps
808	USAA
68	The USS IDAHO SSN 799 Commissioning Foundation and Committee
70	USS New Jersey (SSN 796) Commissioning Committee
60	The Seawolf Submarine Association and The USS Wisconsin SSBN 827 Association
1604	USSVI

FLOOR PLAN


NAVAL SUBMARINE LEAGUE ANNUAL SYMPOSIUM & INDUSTRY UPDATE
NOVEMBER 7-8, 2023
NO PHOTOGRAPHY ALLOWED IN EXHIBIT HALL
EXHIBIT HALL OPEN
Tuesday
1030 – 1800 and 1830-2130
Wednesday
0700 – 1900
PLEASE NOTE:
NSL issued badges MUST be visible at all times in the Exhibit Hall and Session Rooms
Registration
Down to Ballroom Level for Sessions
Food & Beverage Area
GRAB & GO LUNCHES FOR SALE TUESDAY & WEDNESDAY – 1130 to 1400 EACH DAY

CORPORATE MEMBERS

5 STAR

BWX Technologies, Inc.
Delphinus Engineering, Inc.
FLUOR
General Dynamics Electric Boat
General Dynamics Mission Systems
L3Harris Technologies, Inc.
Lockheed Martin Corporation
Newport News Shipbuilding, A Division of HII

4 STAR

Bartlett Maritime Corporation
Carahsoft Technology
Northrop Grumman Corporation
NTT Data Services Federal Government
Oceaneering International, Inc.
Raytheon Technologies

3 STAR

Amentum
Boeing
Booz Allen Hamilton
Curtiss-Wright Corporation
Defense Maritime Solutions
Ellwood Group, Inc
General Atomics Electromagnetic Systems
Goodwin Group
Innovative Defense Technologies (IDT)
JRC Integrated Systems, Inc.
Leonardo DRS
Metron
Milwaukee Valve Company
Progeny Systems Corporation
Rolls-Royce
SAIC
SEACORP
Sparton
Systems Planning and Analysis, Inc.
Teledyne Technologies, Inc.
Trident Maritime Systems
USAA

2 STAR

Advanced Acoustic Concepts, LLC
American Systems Corporation
Applied Research Laboratories, University of Texas at Austin
BAE Systems
CAE USA
Collins Aerospace
EMCORE Corporation
Fairbanks Morse Defense
Graham Corporation
HDR, Inc.
Hilarides Partners, LLC
In-Depth Engineering Corporation
Leidos
Major Tool & Machine
Massa Products
MISTRAS Group
Moog, Inc.
Nord-Lock/Superbolt, Inc.
ORBIS, Inc.
Patrona Corporation
PBM Valve
Penn State Applied Research Laboratory
Rite-Solutions, Inc.
Serco
Sheffield Forgemasters
Sonalysts, Inc.
TE Connectivity
Textron Systems
Ultra Maritime

1 STAR

Addman Group
Amadis, Inc.
Applied Mathematics, Inc.
Arland Tool & Manufacturing
Arnold Magnetic Technologies
A.T. Kearney Public Sector and Defense Services
Bechtel
BlueVoyant
Butler Weldments
CAMEO Professional Support Services
CEPEDA Associates, Inc.
Cogitic Corporation
CYDECOR
Cypress International
dataCon
Deloitte Consulting, LLP
DMG MORI Federal Services
Draper
Epsilon Systems Solutions
Evans Capacitor Company
Fairlead
First Command Financial Services
Focus Data Solutions
GDCA
General Dynamics Applied Physical Sciences
General Tool Company
Georgia Tech Research Institute
Globe Composite Solutions, LLC
Govini
Granite State Manufacturing
HI-TEST Laboratories, Inc.
Holtec International
Huntington Ingalls Industries – Mission Technologies
IMES, Inc.
Jabaley Defense Consulting, LLC
Jered, LLC
Joe Buff, Inc.
JJ Donnelly Consulting
Kearney Group, LLC
Kern Technology Group, LLC
KMS Solutions, LLC
Linear Systems
ManTech International
Marine Acoustics, Inc.
Marotta Controls
Materials Sciences, LLC
McKinsey & Company
Mercury Systems
MetalTek
MIKEL, Inc.
MITRE Corporation
NCS Technologies
National Inspection & Consultants (NIC)
National Institute for Undersea Vehicle Technology
North Shore Steel
Pacific Engineering Inc.
Pacific Fleet Submarine Memorial Association, Inc.
Patricia Herschkowitz
PCC Special Metals
Pegasus Steel
Precise Systems
ProteQ
Q.E.D. Systems, Inc.
RBC Sargent Aerospace and Defense
Riley Power Group
RIX Industries
SAAB Kockums AB
Sage Analysis Group
SAUER Compressors
Schaefer Electronics, Inc.
Sechan Electronics, Inc.
Sedna Digital Solutions
Seemann Composites, Inc.
SSS Clutch Company, Inc.
Sierra Nevada Corporation
ThayerMahan, Inc.
The Entwistle Company
The Johns Hopkins University Applied Physics Laboratory
Trexon
Triumph Enterprises
VACCO Industries
Ventus Solutions
VLP Financial Advisors
VTG – ASSETT Strategic Business Unit
Westland Technologies, Inc.
Westley Group
Wilde Defense
William Cook Cast Products
W International
Woods Hole Oceanographic Institution
WR Systems

EXHIBITOR DESCRIPTIONS

ADDMAN offers comprehensive support from prototyping to end-of-life, with a network of four companies and over 500 employees across the nation. Our manufacturing capabilities include metal and polymer 3D printing, CNC machining, and injection molding. Our expert team, with deep defense industrial base expertise, guides you through the process. Our mission is to deliver “any part, any volume, every step of the way,” supporting the Navy and defense industry. Our robust infrastructure enables complete lifecycle solutions, meeting the evolving needs of our clients’ product roadmaps one part at a time.

Castheon, HARBEC, Dinsmore and ADDMAN Precision are proud brands under the ADDMAN Group umbrella

CAE’s Defense & Security business unit is a globally recognized training and mission systems integrator. As a high technology company, we are at the leading edge of digital innovation providing training and mission support solutions across multi-domain operations – air, land, maritime, space and cyber. We are committed to being our customer’s partner of choice to help elevate safety, efficiency and readiness so that our customers can achieve their best performance.

ASNE is the leading professional engineering society for engineers, scientists and allied professionals who conceive, design, develop, test, construct, outfit, operate and maintain complex naval and maritime ships, submarines and aircraft and their associated systems and subsystems. ASNE also serves the educators who train the professionals, researchers who develop related technology, and students who are preparing for the profession. Society activities provide support for the U.S. Navy; U.S. Coast Guard; U.S. Marine Corps; U.S. Merchant Marine and U.S. Army.

ASNE is the seventh oldest technical society in the United States. It was founded in 1888 by a group of naval engineering pioneers, most of them officers of the U.S. Navy’s Engineering Corps, who sought a unified approach to their profession in order to make the most of new advances in technology.

Curtiss-Wright provides vital technology to the U.S. Navy with significant content on nuclear submarines and aircraft carriers, starting with USS Nautilus. Curtiss-Wright is a preferred supplier of high-performance pumps, valves, motors, and generators that are integral to powering the U.S. Navy nuclear fleet. For more information, visit www.curtisswright.com.

Boeing’s undersea capabilities include Echo Voyager Extra-Large Unmanned Undersea Vehicle (XLUUV) and Wave Glider Unmanned Surface Vehicle (USV). The XLUUV leverages Boeing’s 60-year design and operations experience using manned and unmanned undersea systems. The host-ship independent Echo Voyager is designed to operate autonomously for months at a time, providing game-changing capability. It is ideal for dulldirty-dangerous missions, freeing manned submarines for highly complex operations. The system swims from port for months-long operation, delivering modular multi-mission capability; orders of magnitude beyond traditional UUVs. The XLUUV is a pivotal component of future USN undersea capability and capacity.

The Wave Glider is powered by wave and solar energy. It survives at sea for many months in the toughest conditions, enabling continuous monitoring and communications. Wave Gliders have travelled more than 1.5 million nautical miles, revolutionizing how we explore and understand the world’s oceans by gathering data in costly or operationally challenging locations.

The DMG MORI Group is a global leader in the CNC machine tool industry. With 12,000 team members world-wide, our group companies specialize in providing advanced technology solutions in machining, automation, digitization, and additive manufacturing. Our customer base includes the U.S. Government itself and many of its prime contractors. One of our newest divisions, DMG MORI Federal Services, works closely with US federal government agencies to explore opportunities to support federal government initiatives while focusing on federal acquisition regulations and cybersecurity compliance. DMG MORI is ISO-9001: 2008 registered, DDTC and ITAR registered, and working in line with CMMC compliance. We have active projects with the Army, Navy, Department of Energy, and our goal is to continue providing a complete technology solution for our customers.

EXHIBITOR DESCRIPTIONS

Dolphin Scholarship Foundation (DSF) was established in 1960 with the belief that enhancement of both human potential and quality of life is achievable through education. DSF is committed to minimizing the financial obstacles that many children and spouses of U.S. Navy submariners face while pursuing undergraduate and vocational education, to aid them in reaching their fullest potential.

Currently, DSF sponsors 113 renewable DOLPHIN SCHOLARSHIPS and 13 Administered Scholarships with annual grants ranging from $1,500 to $4,000 per student for two-year or four-year full time undergraduate studies, as well as students pursuing trade/vocational certification.

Since our founding over 60 years ago, DSF has awarded over $14,000,000 to more than 1,500 outstanding students attending universities and colleges throughout the United States

ESCO Naval Group is a part of ESCO Technologies, and its products provide mission critical solutions for the U.S. Naval fleet. ESCO Naval Group products are produced by Globe Composite Solutions, VACCO Industries, and Westland Technologies. With a combined strength of 1,475+ employees, more than 800,000 sq. ft. of manufacturing space, and over 425 years of technical expertise, ESCO Aerospace & Defense Group is capable of providing innovative solutions for the most demanding requirements.

ESCO Technologies is a global provider of highly engineered products and solutions to diverse end-markets that include aerospace, defense, space, healthcare, wireless, consumer electronics, electric utility, and renewable energy industries. We are focused on long term profitable growth through continued innovation and expansion of our product offerings across each of our business segments.

As the pioneer in COTS obsolescence management, GDCA is authorized by our OEM partners to continue to manufacture and repair embedded legacy products critical to long-lasting applications. Using OEM-authorized IP and original specifications, GDCA provides repair, long-term customer support, manufacturing, and sustainment for over three thousand End-of-Life, COTS, and custom-embedded computer boards and systems. Established in 1987 and located in Livermore, California, GDCA has its roots in the Silicon Valley. GDCA's location affords access to leading technology experts who help develop the ever-evolving tools we use to sustain our customers' critical programs.

General Atomics Electromagnetic Systems (GA-EMS) provides a portfolio of technologies, systems, and manufacturing capabilities for manned and unmanned naval platforms. GA-EMS manufactures large, complex naval structures and components supporting advanced weapons systems, submarines, and underwater vehicles. We offer significant engineering expertise, quality assurance, and testing to meet demanding requirements.

Our advanced energy storage and management technologies provide unmatched capability to support the electrification of naval platforms. GA-EMS' Lithium-ion Fault Tolerant (LiFT™) batteries reduce the risk of propagating failure to improve safety and reliability and are approved for use by the U.S. Navy and classified by DNV-GL. Our Aluminum Power Systems deliver an energy dense, cost-efficient power source for manned and unmanned underwater vehicles and seabed nodes. In addition, our permanent magnet motors and generators, high energy capacitors, and modular power conversion drives are designed to meet the escalating demand for dense power to support platform services and systems.

For more than 120 years, General Dynamics Electric Boat has partnered with the U.S. Navy to deliver submarines with the most advanced undersea capabilities in the world, including the USS Nautilus (SSN 571), the world's first nuclear-powered submarine. Electric Boat is the prime contractor for the Columbia-class ballistic missile submarine program, which is the nation's top strategic defense priority. The Columbia class will replace the aging Ohio Class of ballistic missile submarines with the first ship scheduled for delivery in 2027. Electric Boat also produces the Virginia-class fast-attack submarines in partnership with HII's Newport News Shipbuilding. A global leader in undersea technology and innovation, Electric Boat's strives to deliver the advantage that protects our sailors, our families and our freedom.

A business unit of General Dynamics, Electric Boat employs more than 19,500 people and is headquartered in Groton, CT, with major design and manufacturing facilities in New London, CT and Quonset Point, RI.

General Dynamics Mission Systems partners with the DoD to provide advanced, mission-critical technologies for sustained influence across the maritime domain. From the modernization of the strategic deterrent to leading innovation in fully integrated tactical mission capabilities using manned and unmanned assets, our team is innovating to make Platforms Smarter and help the nation achieve a truly integrated all-domain force that is lethal, distributed, and networked. For more information, visit www.gdmissionsystems.com

EXHIBITOR DESCRIPTIONS

Since its founding in 2011, Govini has maintained a deep commitment to the national security mission set and to the U.S. Navy, partnering with Program Executive Offices and organizations across the Navy to ensure instant access to critical data for rapid and efficient decision-making. Govini builds software to accelerate the Defense Acquisition Process. The Ark, Govini's flagship product, combines commercial data and artificial intelligence into applications that solve challenges across the entire spectrum of Defense Acquisition, including Supply Chain, Science and Technology, Production, Sustainment, and Modernization. With the Ark, the acquisition community eliminates slow, manual processes and gains the ability to rapidly imagine, produce, and field critical warfighting capabilities. The Ark transforms Defense Acquisition into a strategic advantage.

HOLTEC
GOVERNMENT SERVICES

Holtec Government Services is an innovative company, with technical, manufacturing, and site services capabilities available to meet our client's challenges in the areas of defense, energy, high-level waste and spent nuclear fuel. Our expertise ranges from state-of the-art, multi-discipline analytical services, to field engineering and highly specialized manufacturing. Our team is comprised of experts in nuclear analyses, heat transfer and fluid flow, stress analyses, spent nuclear fuel management, and environmental technology and the computational tools to support them. Holtec Government Services can provide specialized reach-back services and equipment through its affiliation with Holtec International. Holtec has three domestic manufacturing facilities in Orrvilon, OH; Turtle Creek, PA; and in Camden, NJ alongside our main office. Holtec also boasts a considerable international footprint with operations and offices in Rio de Janeiro, Brazil; Madrid, Spain; Suffolk, UK; Warsaw, Poland; Kyiv, Ukraine; Pune, India; and Tokyo, Japan. HOLTEC

IDT
INNOVATIVE
DEFENSE TECHNOLOGIES

Innovative Defense Technologies (IDT) is an information technology business head- quartered in Arlington, VA. Founded in 2006, IDT designs and develops best-in-class solutions that enable the rapid delivery of software-based capabilities for the Department of Defense (DOD). IDT's objective is to enable higher quality software to be deployed faster and more affordably through automation. Our technology and expertise facilitate the efficient integration, testing, analysis, and certification of complex, mission-critical systems—accelerating the delivery of capabilities to the warfighter. The company has additional offices in Fall River, MA; Mt. Laurel, NJ; and San Diego, CA. www.IDTus.com.

ATRT provides a secure, cloud-based application development, test, deployment and analytics ecosystem that include Test Bay as a Service (TBaaS). Tactical capability developers utilize modern MBSE, Dev/Sec/Intel Ops, and Automated T&A methodologies with access to virtualized test assets to achieve a continuous integration, test and deployment process. Additionally, IDT is working directly with the Navy to bring the ATRT Enterprise to the warfighter in the form of the Digital Warfighting Platform (DWP) for the DISC.

IDT has a proven reputation for the accelerated delivery of highly effective solutions to meet emerging needs. Contact us to schedule a demo. www.IDTus.com

L3HARRIS

L3Harris Technologies is a leading provider of a broad range of communication, electronic and sensor systems used on military, homeland security and commercial platforms. L3Harris is also a prime contractor in aerospace systems, security and detection systems, and pilot training.

For more than a decade, L3Harris has delivered superior performance to the U.S. government, our allies and leading corporations throughout the world. As a top ten defense contractor in the world, we know the critical role our products and services play in the protection and defense of freedoms worldwide. We take our responsibility very seriously, and we are privileged to support our customers and the men and women who get the job done.

LINCOLN ELECTRIC | Additive Solutions

Large-scale 3D metal printing services for the Submarine Industrial Base.
Lincoln Electric Additive Solutions is a 24 hours-a-day/7 days-a-week manufacturing services provider of large-scale metal additive parts. It is vertically integrated, manufacturing its own power sources, wire feedstock, automation equipment and even the slicing and path planning software, SculptPrint™ OS, ensuring delivery of high-quality parts. Additive Solutions delivers as-printed and finished parts from a variety of industrial metals, including steels, stainless steels, and nickel alloys. For more information about Lincoln Electric and its products and services, visit the Company's website at https://www.lincolnelectric.com

EXHIBITOR DESCRIPTIONS

Linear Systems has designed, manufactured, and distributed high-performance discrete small-signal semiconductors since 1987. We are the world's leader in ultra-low noise single and monolithic dual Junction Field Effect Transistors (JFETs). Our semiconductors are key components in applications ranging from military underwater listening to the largest space telescope camera in existence (the LSST) to studio microphones. The company conducts all R&D in its Fremont, California facility and fabricates its wafers in three separate Silicon Valley locations. The company's primary current design efforts center on improved JFET performance for more capable underwater listening.

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

For over 70 years, Major Tool & Machine has served those who serve our country. As a leader in the manufacture of precision fabricated and machined components and assemblies, Major Tool & Machine continues to evolve with the needs of our Naval customers. As an SBA registered small business, employing 400 skilled personnel operating out of our 600,000 sq. ft. world-class campus in Indianapolis, IN, Major Tool & Machine is driven to provide mission assurance through our unwavering dedication to quality, service, our people, and technology. To learn more, visit our website at www.majortool.com.

NIC is a leading provider of nondestructive examination and inspection services for the ship building -ship repair industry. NIC also is Note 5000 subsafe UT approved and has several procedures approved to MP 271..at both shipyards. NIC has established Quality Assurance Programs that meet the requirements of 10CFR50, Appendix B; NQA-1; 10CFR Part 21, AS-9100D, ISO-9001:2015 and ISO 17025:2017 for the evaluation, testing, and certification of QA Consultants, Lead Auditors, Training Instructors, QC inspectors and NDT Technicians

National Institute of Undersea Vehicle Technology is a unique group of research, technology transfer, and workforce development partnerships that combine the best practices to ensure that advanced technologies are implemented into the next generation and next platform of undersea vehicles. THE NIVUT MISSION 1) Supporting the workforce development of a technically competent and innovative next generation workforce through Navy-focused undergraduate STEM education and opportunities for engineers to obtain advanced degrees related to their work. 2) Conducting basic and applied research on undersea vehicle technologies of strategic importance to the Navy through collaborative partnerships between the universities and industry. 3) Accelerating and facilitating technology transition by ensuring relevant research can be more easily pulled into the shipbuilding industries. Through these activities, NIUVT will develop the personnel and knowledge needed to accelerate critical research and enhance U.S. superiority in submarine and other undersea vehicle technologies.

NHHC's mission is to preserve and present an accurate history of the U.S. Navy through the following lines of effort:

1. Locate, collect and preserve documents, artifacts, photos, oral histories, and art that best represent the history of the U.S. Navy.

2. Locate and protect lost U.S. Navy ships and aircraft.

3. Present the history and heritage of the U.S. Navy to Navy leadership, Sailors and the American public.

4. As the U. S. Navy's institutional memory, assist U.S. Navy leadership in meeting operational readiness, policy, acquisition, and professional development requirements, through high velocity learning.

Now in its 24th year, the Navy STP (SBIR/STTR Transition Program) has been a long-standing vehicle for connecting SBIR/STTR-funded technologies with warfighters, government acquisition and technical personnel, prime contractor, system integrators, and other potential partners/collaborators. The program takes a holistic approach to assisting selected small businesses transition their technologies through business mentoring, training, marketing material creation, and business development activities and promotion.

EXHIBITOR DESCRIPTIONS

Newport News Shipbuilding
A Division of HII

For 137 years, the ships built at Newport News Shipbuilding (NNS), like the American shipbuilders who built them, have served our nation in peace and war, in times of adversity and in times of abundance. Our legacy of "Always Good Ships," includes the design, construction, overhaul and repair of more than 800 ships for the U.S. Navy and commercial customers.

Today, Newport News Shipbuilding, a division of HII, is the nation's sole designer, builder and refueler of nuclear-powered aircraft carriers and one of only two shipyards capable of designing and building nuclear-powered submarines. We also provide fleet services for naval ships.

We are the largest industrial employer in Virginia, employing 25,000 people, many of whom are third- and fourth-generation shipbuilders.

ORBIS

ORBIS is a Veteran Owned Small Business (VOSB) with over 20 years of major Navy Program experience providing Engineering, Technical, and Consulting Services to DoD and Commercial Customers. As an ISO 9001:2015 certified, customer-focused company, ORBIS has a proud record of providing exceptional service and technical support to DoD/DON clients and our commercial clients. ORBIS began as a boutique Submarine engineering program and we are proud that this work remains the core of our company. Our corporate headquarters are in Charleston, SC and regional business units are located at the Washington Navy Yard, DC; Portsmouth, NH; Philadelphia, PA; and Norfolk, VA along with satellite offices in Huntsville, AL; Newport, RI; San Diego, CA and Aberdeen, MD.

nc museum

Our North Carolina Submarine Foundation founded with two primary missions: 1. Support the crew and families of North Carolina's 3 name-sake submarines: Asheville 758, Charlotte 766 and North Carolina 777
2. Create a STEM Education & Workforce Development Resource Center based upon the design, construction and operation of a US Navy nuclear-powered submarine.

rite SOLUTIONS

Rite-Solutions is an award-winning software development, systems engineering, information technology and learning development firm based in Middletown, RI with satellite offices in Pawcatuck, CT, Virginia Beach, VA and Washington, DC. We are a Service Disabled Veteran Owned Small Business (SDVOSB) with over 200 employees – consisting of scientists, engineers, information technology (IT) specialists, cyber-security specialists, instructional designers and consulting professionals. We strike a desirable and distinctive balance between being agile and, as a CMMI Level 3-appraised company, disciplined – the best of both worlds. Through this approach we are able to deliver exceptional quality and reliability with the speed and affordability that only a small business like Rite-Solutions can achieve. This isn't just a competitive advantage for us, but also a means by which we are able to maintain a talent pool of the best and brightest who we embrace as the F.E.W. or Friends Enjoying Work.

NORTHROP GRUMMAN

Northrop Grumman is a technology company, focused on global security and human discovery. Our pioneering solutions equip our customers with capabilities they need to connect, advance and protect the U.S. and its allies. Driven by a shared purpose to solve our customers' toughest problems, our 90,000 employees define possible every day.

OCEANEERING®

Oceaneering delivers solutions that enable humans to work safely and effectively in harsh environments – from underwater to the outer reaches of space. Our innovative solutions support the development and application of practical, cost-effective systems that meet our customers' challenges – from routine to extreme.

Our experience and expertise across multiple industries uniquely positions us as a leader in the government, space, and maritime services markets. Our products and services meet the rigorous demands of the complex environments in which they operate, delivering results without compromising safety or reliability.

SEACORP
A KAPCO Defense Company

SEACORP is an award-winning small business providing agile, innovative solutions for distributed maritime operations. SEACORP provides full-spectrum engineering capabilities for US Navy, with key mission areas including Platform Engineering, System Engineering, Test and Evaluation, Software Engineering, Hardware Engineering, Configuration Management (CM), Quality Assurance (QA), Technical and Engineering Documentation Development, Cybersecurity, and Program Support. SEACORP is proud to provide superior quality, mission-focused solutions to the warfighter. For additional information, please visit our website www.seacorp.com.

EXHIBITOR DESCRIPTIONS

The Seawolf Submarine Association is a Washington State non-profit organization established in August 2022. One of several "sub clubs" supporting active submarines in the U.S. Navy, the Seawolf Submarine Association is proud to support the USS Seawolf (SSN 21) and honor all those that have served our Nation. We are designated as a 501(c)3 organization and all donations are tax deductible to the fullest extent of the law. Please consider joining us today!

Our Mission is to: Support the morale, well-being and recreation of the crew and families of the USS Seawolf; Honor the sacrifice and service of our U.S. Navy veterans and active-duty members through recognition of the heritage and legacy of current and previous Seawolf submarine service men and women and support the transition of retiring active-duty service members to new career opportunities in the public and private sectors.

TELEDYNE TECHNOLOGIES
Everywhereyoulook™

Teledyne Technologies is a leader in providing innovative systems engineering, integration, products, sensors and advanced manufacturing solutions for maritime applications. Teledyne has experience with both large and small naval vessels, platforms and systems worldwide for defense, mine countermeasures, special operations, and research.

SEA CADETS
CHOOSE ADVENTURE

The United States Naval Sea Cadet Corps (Sea Cadets) is the Navy's youth development program. We give young Americans skills, knowledge, and confidence to become productive, responsible citizens who appreciate America's sea services. Sea Cadets wear uniforms, work as teams in a disciplined environment, and adhere to our core values of honor, respect, commitment, and service. Sea Cadets gain unique and valuable experiences that incorporate hands on learning and teamwork. Our diverse program includes seamanship, sailing, aviation, security, building robots, medical, STEM, SCUBA, photography, culinary, special forces training, and an International Exchange Program, with specialized training tracks in both submarines and trades. Our graduates are well-prepared for military service, careers in the trades, and higher education.

USAA®

Founded in 1922 by a group of military officers, USAA is among the leading providers of insurance, banking and investment and retirement solutions to 13 million members of the U.S. military, veterans who have honorably served and their families.

Headquartered in San Antonio, TX, USAA has offices in seven U.S. cities and three overseas locations and employs more than 35,000 people worldwide.

Each year, the company contributes to national and local nonprofits in support of military families and communities where employees live and work.

For more information about USAA, follow us on Facebook or Twitter (@USAA), or visit usaa.com.

The USS Idaho Commissioning Committee was formed to bring together the people of the great State of Idaho and the Officers and Crew of the USS IDAHO to celebrate in exemplary fashion the extraordinary honor of having a ship of the line named for the state.

We will conduct a statewide outreach of social, informative and educational activities to create the bond between the people of Idaho and those who serve in defense of our great state and nation on the USS IDAHO. Our mission is to identify and implement a sustainable program so that the crews of the USS IDAHO, from the first crew to all future crews, see tangible ongoing support from the people of Idaho to the crew and families.

The Commissioning of the USS NEW JERSEY (SSN-796) will take place on April 6, 2024 at NWS Earle, in Leonardo, NJ.

We are honored to be able to organize and support events honoring the ship and its crew. The week will be New Jersey themed - intended to celebrate the linkage of our great state (home to the birthplace of the navy's first submarine) and the boat/crew.

EXHIBITOR DESCRIPTIONS

The purpose/creed of USSVI is to perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country that their dedication, deeds, and supreme sacrifice may be a constant source of motivation toward greater accomplishments, and to pledge loyalty and patriotism to the United States of America and its Constitution In addition to perpetuating the memory of departed shipmates, USSVI provides a way for all submariners to gather for their mutual benefit and enjoyment. Our common heritage as Submariners shall be strengthened by camaraderie. The USSVI supports a strong U.S. Submarine Force.

The USS WISCONSIN (SSBN 827) Association, Inc. was formed to help support the exceptional men and women who will one day operate and maintain the future nuclear-powered ballistic missile submarine, the second in class of the COLUMBIA (SSBN 826) Class submarines. Formed by a group of Navy Veterans and Wisconsinites, the USS WISCONSIN (SSBN 827) Association is a tax exempt, not-for-profit organization incorporated in the State of Wisconsin. The Association has financial support of the Wisconsin legislature, strong ties to Wisconsin Governor Tony Evers and active engagement of the ship's sponsor, Dr. Kelly Geurts. The Association will harness the synergy of the key partners forming a strategic triad: active supporters, Wisconsinites, and the crewmembers assigned during the ship's construction, her commissioning as a United States Ship (~2030) and until the submarine is decommissioned (~2072).

SSN 805 TANG–
NOT A TROPICAL FISH

One of America's most lethal WWII submarines is reborn as a Block V Virginia class submarine with VPM

USS Tang (SS-306)

GENERAL DYNAMICS
Electric Boat
www.gdeb.com

Ship sponsor Mimi Donnelly welding her initials during the keel-laying ceremony, August 17, 2023

PROVEN TECHNOLOGY FROM STEM-TO-STERN.

Successful maritime operations rely on ships with trusted communications and reliable power distribution, conversion and propulsion. As a preferred partner for proven technology from rugged HVAC/R, to affordable combat system computing, to the first modern electric drive submarine propulsion system we are committed to the Navy's submarine force and we are ready to support 2 + 1 and SSN(X). Enabling the Navy to own the edge.

LeonardoDRS.com

LEONARDO DRS