

AT THE HEART
OF THE MISSION

NDIA

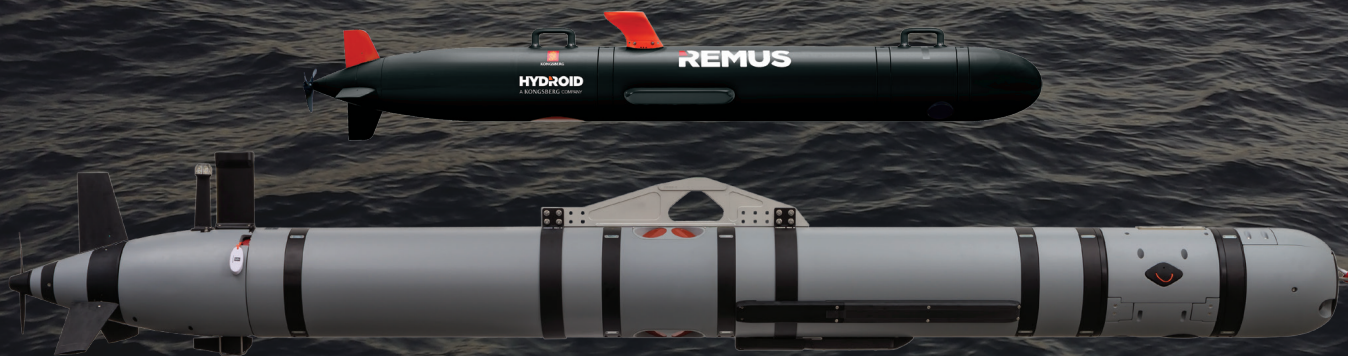


24TH ANNUAL **EXPEDITIONARY** WARFARE CONFERENCE

Enhancing Maritime Superiority

October 22 – 24 | Annapolis, MD | [NDIA.org/EWC](https://ndia.org/EWC)

REMUS UNMANNED UNDERWATER VEHICLES



Uncommon Reliability in a Common Platform

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NEW GENERATION REMUS PLATFORM

HYDROID
A KONGSBERG COMPANY
Intelligent Marine Robots You Can Rely On

What's 'Under the Hood'

Proven technology: the backbone of Hydroid's REMUS line of Unmanned Underwater Vehicles (UUVs). This technology has shaped Hydroid's reputation for unmatched reliability and performance. The key building blocks for REMUS originated from the Woods Hole Oceanographic Institution in 1991 and have been developed into the standard New Generation REMUS Platform offered in all Hydroid UUVs today. Since its combat debut in 2003, REMUS has been used by the U.S. Navy for thousands of missions.

THE REMUS PLATFORM: WHAT MAKES IT DIFFERENT?

The New Generation REMUS Platform technology is the same 'under the hood' for every REMUS vehicle. It is designed for modularity and manufacturability and is scalable

across all Hydroid UUVs, regardless of size. Redesigned to meet customer demands for a Modular, Open Systems Architecture (MOSA), it paves the way for consistent performance and results in a streamlined user experience.

It is the internal architecture and cutting-edge processing capability of the new platform that ensures a trusted control system for accurate vehicle navigation and behavior. The electronics provide a generational leap in on-board processing capability while consuming less power and providing greater endurance.

Through UUV commonality and interoperability, the open systems architecture provides maximum hardware capability and software flexibility to allow for the rapid implementation of enhanced autonomy and third-party software applications. This enables a modular

software architecture that reduces REMUS mission risk and lowers the development and life-cycle costs for software.

The New Generation REMUS Platform offers reconfigurable hull sections for third-party or government payload integration with standard interfaces. This allows for common integrated logistics support across all REMUS vehicles. It equates to a lower total cost of ownership and frees up customer resources for the development of new UUV capabilities.

WHAT'S INSIDE? THE BREAKDOWN

- Advanced Core Electronics
- Flexible Navigation Suite
- High Capacity Energy Pack and Energy Options
- Modular, Open Systems Architecture (MOSA)

ADVERTISING SUPPLEMENT

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WHO WE ARE

The National Defense Industrial Association is the trusted leader in defense and national security associations. As a 501(c)(3) corporate and individual membership association, NDIA engages thoughtful and innovative leaders to exchange ideas, information, and capabilities that lead to the development of the best policies, practices, products, and technologies to ensure the safety and security of our nation. NDIA's membership embodies the full spectrum of corporate, government, academic, and individual stakeholders who form a vigorous, responsive, and collaborative community in support of defense and national security. NDIA is proud to celebrate 100 years in support of our warfighters and national security. The technology used by today's modern warfighter was unimaginable 100 years ago. In 1919, BG Benedict Crowell's vision of a collaborative team working at the intersection of science, industry, government, and defense began what was to become the National Defense Industrial Association. For the past century, NDIA and its predecessor organizations have been at the heart of the mission by dedicating their time, expertise, and energy to ensuring our warfighters have the best training, equipment, and support. For more information, visit NDIA.org

SCHEDULE AT A GLANCE

TUESDAY, OCTOBER 22

Registration
7:00 am – 6:00 pm

General Session
8:00 am – 4:30 pm

**Reception & Smith-Turner
Award Dinner**
5:30 – 8:30 pm

WEDNESDAY, OCTOBER 23

Registration
7:00 am – 5:00 pm

General Session
8:00 am – 5:00 pm

No-Host Reception
5:30 – 8:30 pm

THURSDAY, OCTOBER 24

Classified Session
Pre-Registration Required
8:00 am – 1:00 pm



EXPEDITIONARY WARFARE

WHO WE ARE

The Expeditionary Warfare Division is the focal point and coordinating element within NDIA for the identification, study, and resolution of expeditionary warfare and force protection issues in the littoral regions of the world, affecting the strength of the national defense industrial base and the armed services.

The Division conducts its activities through seven committees: industry, amphibious warfare, littoral and mine warfare, expeditionary unmanned vehicles, C4I in the littorals, seabasing and sustainment, and force protection/anti-terrorism. Close coordination is maintained with the director of the U.S. Navy Expeditionary Warfare Directorate (N95), the U.S. Marine Corps deputy commandant for plans, policy and operations, and the U.S. Coast Guard's assistant commandant for operations. The Division's annual conference attracts participants from government, industry, and the military services.

LEADERSHIP

RADM Sinclair Harris, USN (Ret)
Division Chair

Col Jim Strock, USMC (Ret)
Division Vice Chair

Mark Rios
Conference Chair

MINE WARFARE ASSOCIATION

The Mine Warfare Association was formed in 1995 to create an awareness of mine warfare and to assist government, industry, and academia in optimizing their combined contributions to solving the challenges associated with military sea and land mine warfare. MINWARA's founders believed solutions would be found in emerging technologies and sharing information. MINWARA established a program of conducting symposia to expose people and organizations to these emerging technologies and their application to mines, mining and mine countermeasures.



The symposia are an effort to cross-pollinate knowledge about mine warfare among government, industry, and academia. Symposia address military doctrine, policies, organization, concepts of operations, ongoing and needed research and development, acquisition programs, exercises and operation, and logistics and training programs.

Mine warfare includes both mining and mine countermeasures. Mine countermeasures includes the software, sensors, systems, tactics, techniques and procedures required to address the traditional mine threat as well as the potential threat from terrorist placed mines or improvised explosive devices (IEDs), to U.S. ports. The Mine Warfare Association is a strong supporter of mining capabilities, based on the tenet that knowledge of mine design and effects are critical to maintaining an effective mine countermeasures capability. The Mine Warfare Association is also a firm supporter of mine designs that have self-destruction capabilities after an appropriate period, so as not to pose a threat to civilians after cessation of hostilities.

The Mine Warfare Association understands the increasing importance of commercial industry in developing technologies which will benefit the Department of Defense. Accordingly, a major activity of the association is to expand outreach to the commercial sector.

LOCATION

TUESDAY & WEDNESDAY

The Westin Annapolis
100 Westgate Circle
Annapolis, MD 21401

THURSDAY (CLASSIFIED)

Northrop Grumman Corporation
895 Oceanic Drive
Annapolis, MD 21409

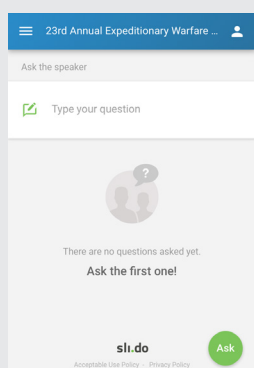
EVENT WEBSITE

NDIA.org/EWC

EVENT THEME

Enhancing Expeditionary Superiority

SLI.DO



Ask and vote for your top questions during the 24th Annual EWC

Sli.do is an audience engagement platform that allows users to crowdsource top questions to drive meaningful conversations and increase crowd participation.

Maximize effectiveness of Q&A time

Participants can upvote the questions that they would most like to hear discussed. Simply tap the thumbs-up button to up-vote a question.

Top questions are displayed for the moderator and speaker to answer.

Participate at slido.com

Event code: **EWC**

WIFI

Network: Westin_CONFERENCE
Password: NDIA19

ATTIRE

Civilian: Business | Air Force: Service Uniform | Army: Class B | Coast Guard: Tropical Blue Long | Marine Corps: Class C | Navy: Service Khaki (Service Dress Blue for Tuesday's Dinner)

SURVEY AND PARTICIPANT LIST

You will receive via email a survey and list of participants (name and organization) after the conference. Please complete the survey to help make our event even more successful in the future.

EVENT CONTACTS

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PLANNING COMMITTEE

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Session Chair

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USN (Ret)
Session Chair

Terrance McKearney
Session Chair

CAPT Jonathan Padfield,
USN (Ret)
Session Chair

Mark Rios
Conference Chair

Col Jim Strock,
USMC (Ret)
Division Vice Chair
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SPEAKER GIFTS

In lieu of speaker gifts, a donation is being made to the Fisher House Foundation.

HARASSMENT STATEMENT

NDIA is committed to providing a professional environment free from physical, psychological and verbal harassment. NDIA will not tolerate harassment of any kind, including but not limited to harassment based on ethnicity, religion, disability, physical appearance, gender, or sexual orientation. This policy applies to all participants and attendees at NDIA conferences, meetings and events. Harassment includes offensive gestures and verbal comments, deliberate intimidation, stalking, following, inappropriate photography and recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome attention. Participants requested to cease harassing behavior are expected to comply immediately, and failure will serve as grounds for revoking access to the NDIA event.



LMI

ENHANCING Global Logistics Awareness

LMI's decades of deep domain and functional expertise is helping the Department of Defense turn its raw data into genuine insights to enhance logistics. Using data-driven analysis to transition from reactive to predictive maintenance, will increase the readiness, agility, and lethality of our Expeditionary Forces on tomorrow's battlefields.

➔ [Learn more at lmi.org](https://lmi.org)



AGENDA

TUESDAY, OCTOBER 22

7:00 am – 6:00 pm

REGISTRATION

CAPITAL FOYER

7:00 – 8:00 am

NETWORKING BREAKFAST

CAPITOL FOYER

8:00 – 8:15 am

WELCOME AND INTRODUCTORY REMARKS

CAPITOL BALLROOM

Mark Rios

Senior Director, Strategy & Business Development, ATLAS North America,
24th Expeditionary Warfare Conference Chair

RADM Sinclair Harris, USN (Ret)

Director, Business Development for Navy/Marine Corps, LMI
Chair, Expeditionary Warfare Division, NDIA

Gen Herbert “Hawk” Carlisle, USAF (Ret)

President and CEO, NDIA

8:15 – 9:15 am

NAVY AND MARINES JOINT ADDRESS

CAPITOL BALLROOM

VADM James Kilby, USN

Deputy Chief of Naval Operations for Warfighting Requirements & Capabilities, N9

LtGen Eric Smith, USMC

Deputy Commandant for Combat Development & Integration, U.S. Marine Corps

9:15 – 9:45 am

NETWORKING BREAK

CAPITOL FOYER

9:45 – 10:30 am

DISTRIBUTED OPERATIONS FORWARD

CAPITOL BALLROOM

RDML Cedric Pringle, USN

Former Commander, Expeditionary Strike Group 3
Commandant, National War College

10:30 – 11:45 am

CONGRESSIONAL PANEL

CAPITOL BALLROOM

LtGen Jack Bergman, USMC (Ret)

U.S. Representative, R-MI 1st District

Eric Labs

Senior Analyst for Naval Weapons and Forces, Congressional Budget Office

Ron O’Rourke

Naval Analyst, Congressional Research Service

11:45 am – 12:45 pm	NETWORKING LUNCH CAPITOL FOYER AND BALLROOM
12:45 – 1:30 pm	MINE WARFARE CAPITOL BALLROOM CAPT Chris Merwin, USN Director for Mine Warfare, Surface and Mine Warfighting Development Center (SMWDC)
1:30 – 2:00 pm	NETWORKING BREAK CAPITOL FOYER
2:00 – 2:45 pm	MINE WARFARE CAPITOL BALLROOM Dr. Sam Taylor Senior Leader for Mine Warfare, PEO USC
2:45 – 3:15 pm	NETWORKING BREAK CAPITOL FOYER
3:15 – 4:15 pm	FORWARD TO A NEW NAVAL FUTURE CAPITOL BALLROOM John Berry Director, Concepts Branch, Concepts and Plans, MCWL/FD, Combat Development and Integration
4:15 – 4:30 pm	CLOSING REMARKS CAPITOL BALLROOM
5:30 – 8:30 pm	NETWORKING RECEPTION AND SMITH TURNER EXPEDITIONARY OPERATIONS AWARD DINNER CAPITOL FOYER AND BALLROOM D RDML Cedric Pringle, USN Former Commander, Expeditionary Strike Group 3 Commandant, National War College <i>Keynote Speaker</i> Congressman Robert Wittman U.S. Representative, R-VA 1st District <i>Award Winner</i>

WEDNESDAY, OCTOBER 23

7:00 am – 5:00 pm

REGISTRATION

CAPITOL FOYER

7:00 – 8:00 am

NETWORKING BREAKFAST

CAPITOL FOYER

8:00 – 8:15 am

WELCOME AND INTRODUCTORY REMARKS

CAPITOL BALLROOM

Mark Rios

Senior Director, Strategy & Business Development, ATLAS North America
24th Expeditionary Warfare Conference Chair

8:15 – 9:00 am

KEYNOTE ADDRESS

CAPITOL BALLROOM

LtGen Charles Chiarotti, USMC

Deputy Commandant, Installations and Logistics, U.S. Marine Corps

9:00 – 10:00 am

SURVIVABLE LOGISTICS IN GREAT POWER COMPETITION

CAPITOL BALLROOM

Hon. Alan Estevez

Specialist Executive, Deloitte Consulting, LLP
Moderator

RADM (Sel.) Alan Reyes, USN

Deputy Commander, Naval Supply Systems Command

MG Mike Wehr, USA

Director, Strategy, Capabilities, Policy, Programs and Logistics, U.S. Transportation Command

LTG Darrell Williams, USA

Director, Defense Logistics Agency

10:00 – 10:30 am

NETWORKING BREAK

CAPITOL FOYER

10:30 am – 12:00 pm

PANEL: ENABLING EXPEDITIONARY OPERATIONS

CAPITOL BALLROOM

MajGen Tracy King, USMC

Director, Expeditionary Warfare (OPNAV N95)
Moderator

CAPT Brian Metcalf, USN

Program Manager, LPD 17 Program, PEO Ships (PMS 317)

CAPT J.R. Hill, USN

Head, Amphibious Warfare Branch (N953)

Howard Berkof

Deputy Program Manager, Unmanned Maritime Systems
(PMS 406)

Steve Olson

Deputy Head, Mine Warfare Branch (N952)

12:00 – 1:00 pm	NETWORKING LUNCH CAPITOL FOYER AND BALLROOM
1:00 – 2:15 pm	PANEL: DEVELOPING FUTURE EXPEDITIONARY FORCE DESIGN AND CONCEPTS CAPITOL BALLROOM CAPT Jeff McCauley, USN Commanders Action Group Director, Navy Expeditionary Combat Command BGen Benjamin Watson, USMC Commanding General, Marine Corps Warfighting Laboratory
2:15 – 2:45 pm	NETWORKING BREAK CAPITOL FOYER
2:45 – 4:00 pm	OPERATIONAL REQUIREMENTS CAPITOL BALLROOM <div> <div> Lisa Sanders Director of Science and Technology for Special Operations Forces, Acquisition, Technology & Logistics, U.S. Special Operations Command </div> <div> Jan Ithier Director, NORAD & USNORTHCOM, Washington Operations </div> </div> <div> Lisa Sampson Deputy Director J/J9, U.S. Southern Command </div> <div> MG Kenneth Moore, USA Special Assistant to the Commander, U.S. Africa Command </div>
4:00 – 5:00 pm	PANEL: FUTURE OF EXPEDITIONARY WARFARE CAPITOL BALLROOM Frank DiGiovanni Deputy Director, Expeditionary Warfare (OPNAV N95) <i>Moderator</i> <div> <div> Dakota Wood Senior Research Fellow, Defense Programs, Heritage Foundation </div> <div> Mark Cancian Senior Adviser, International Security Program, Center for Strategic & International Studies </div> </div> <div> Arthur “Trip” Barber Chief Analyst, Systems Planning & Analysis, Inc. </div>
5:30 pm	NO-HOST HAPPY HOUR AT FADO IRISH PUB PARK PLACE ONE PARK PLACE #7, ANNAPOLIS, MD 21401

THURSDAY, OCTOBER 24 – CLASSIFIED SESSION

OVERVIEW

The optional classified session on Thursday, October 24, will begin at 8:00 am; registration will begin at 7:00 am. It will be held at Northrop Grumman's offices in Annapolis, MD. This session will be conducted as **SECRET//NOFORN**. You must have a secret clearance and be a U.S. citizen to attend this optional session. **Pre-registration is required**. Please arrive in time to check in and pick up your badge. A photo ID will be required for check-in.

LOCATION

NORTHROP GRUMMAN CORPORATION

895 Oceanic Drive
Annapolis, MD 21409

DRIVING DIRECTIONS

From Annapolis to Northrop Grumman

- From Rt. 50 East, take Exit 32 (last exit prior to tolls)
- At the stop sign, turn right; at the end of the road, turn left
- Turn right onto O'Brien Rd and look for the Northrop Grumman signs

PARKING

Follow O'Brien Road and bear left once you enter the property. Drive between the buildings towards the Chesapeake Bay and turn right into the visitor parking lot. NDIA spots will be marked. Overflow parking will be behind the building but will be clearly marked.

Please drive 30 MPH while on the access road and be sure to watch for wildlife crossings.

7:00 – 8:00 am

REGISTRATION

NORTHROP GRUMMAN ANNAPOLIS

7:00 – 8:00 am

COFFEE AND NETWORKING

8:00 – 8:05 am

WELCOME AND INTRODUCTORY REMARKS

Dr. Alan Lytle

Vice President, Undersea Systems, Northrop Grumman Corporation

8:05 – 8:30 am

KEYNOTE ADDRESS

RADM Steve Parode, USN

Director, Warfare Integration Directorate, N2N6

8:30 – 9:30 am

ARG/MEU

Col Chandler Nelms, USMC

Chief of Staff, 3rd Marine Air Wing

CAPT Jerry Olin, USN

Chief of Staff, Carrier Strike Group 1

9:30 – 9:45 am	NETWORKING BREAK
9:45 – 10:45 am	SEABED WARFARE RADM Thomas Ishee, USN Director, Undersea Warfare Division, N97
10:45 – 11:45 am	MINE WARFARE OPERATIONS Dr. Peter Adair NSWC Panama City Division
11:45 am – 12:00 pm	NETWORKING BREAK
12:00 – 12:30 pm	ESG/CSG TRAINING AND CERTIFICATION RDML David Welch, USN Commander, Carrier Strike Group 15
12:30 – 1:00 pm	ARTIFICIAL INTELLIGENCE Dr. Alexandria Russell Data Scientist/AI SME, CE-INT/CD&I/MCCDC

NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.

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LIEUTENANT GENERAL CHARLES CHIAROTTI, USMC

Deputy Commandant, Installations and Logistics
U.S. Marine Corps

Lieutenant General Charles Chiarotti was commissioned December 21, 1985.

Following graduation from The Basic School and Basic Motor Transport Officer Course, he was assigned to 1st Low Altitude Air Defense Battalion, Marine Air Control Group 18, Okinawa, Japan. During this tour, he served as the Battalion Motor Transport Officer, S-4 Officer, and 2d Platoon Commander, Bravo Battery (Stinger Gunner). In May 1989, he was assigned to Headquarters and Service Battalion, Marine Corps Recruit Depot, San Diego, California, and served as Operations Officer, Assistant Chief of Staff G-4, and Depot Motor Transport Officer. In June 1992, Captain Chiarotti was selected to attend the Amphibious Warfare School, Quantico, Virginia. Upon graduation, he was assigned to Camp Pendleton, California, for duty with 7th Motor Transport Battalion, 1st Force Service Support Group as Commander of both Alpha and Headquarters and Service Company. Additionally, he served as Operations Officer, Combat Service Support Detachment 17. Upon transferring to MEU Service Support Group (MSSG) 15, he was assigned as the Operations Officer and subsequently deployed with the 15th Marine Expeditionary Unit (Special Operations Capable) (MEU (SOC)). He deployed in support of WestPac in 1995.

In 1996, he was assigned to Combat Service Support Detachment (CSSD) 36, Iwakuni, Japan, for duties as Executive Officer. In June 1999, he was selected to attend the Naval Command and Staff College, Newport, Rhode Island. Following graduation in June 2000, Major Chiarotti was assigned to Marine Corps Forces, Europe, Stuttgart, Germany, as the Southern Region Logistics Plans Officer. In August 2001, Major Chiarotti reported for duty as Plans Officer, Plans and Policy Division, Logistics and Security Directorate, Headquarters, U.S.

European Command. Following the events of September 11, 2001, he served as Watch Officer, Crisis Action Team, European Theater Command and Control Center. Subsequently, he served as the Branch Chief, Logistics Support Operation, responsible for the planning and execution of logistics support operations in support of OPERATION ENDURING FREEDOM and OPERATION IRAQI FREEDOM from within the European area of responsibility.

In May 2003, Lieutenant Colonel Chiarotti was assigned to 2d Force Service Support Group. He deployed as the Officer-in-Charge, Transport Support Detachment, Special Purpose Marine Air-Ground Task Force, Camp Fox, Kuwait. Returning in November 2003, he assumed duties as Deputy, Assistant Chief of Staff, G-3. In March 2004, he deployed in support of OPERATION SECURE TOMORROW as the Director for Logistics, Combined Joint Task Force, Haiti. Returning from Haiti in July 2004, he assumed command of MSSG-22 and was deployed in support of Revised Combined Arms Exercises 3 through 14, Camp Wilson, Twenty-nine Palms, California from September 2004 to March 2005. In May of 2005, MSSG-22 became part of 22d MEU (SOC). Lieutenant Colonel Chiarotti deployed MSSG-22 in support of OPERATION IRAQI FREEDOM in support of the 22d MEU (SOC).

He was selected for and successfully completed a Fellowship at Smeal School of Business, Pennsylvania State University, State College, Pennsylvania, and was subsequently transferred to Okinawa, Japan, on 7 July 2007, where he assumed command of Combat Logistics Regiment 3, 3d Marine Logistics Group, III Marine Expeditionary Force (MEF). Following this assignment, he was assigned as the Assistant Chief of Staff, G-3 until

his reassignment to United States Central Command as Chief of Staff, Logistics Directorate.

In August 2011, Brigadier General Chiarotti was assigned to U.S. Marine Corps Forces, Europe and U.S. Marine Corps Forces, Africa, as Deputy Commander. Brigadier General Chiarotti was subsequently assigned as the Deputy, J-5 Plans and Strategy and finally the Director, J-5 Plans, Strategy and Programs for U.S. Africa Command until his assignment to II MEF as Commanding General, 2d Marine Logistics Group from June 2014 to June 2016.

In June 2016, Major General Chiarotti was assigned duties as Deputy Commander, United States Forces, Japan. In June 2018, Lieutenant General Chiarotti was transferred to the Pentagon to assume the duties as Deputy Commandant, Installations and Logistics.

Lieutenant General Chiarotti holds a bachelor's degree in psychology and a master's degree from the Naval War College, Newport, Rhode Island.

His personal decorations include the Defense Superior Service Medal (with oak cluster in lieu of second award), Legion of Merit, Bronze Star (with Gold Star in lieu of second award), the Defense Meritorious Service Medal (with oak cluster in lieu of second award), the Meritorious Service Medal, the Joint Service Commendation Medal, the Navy and Marine Corps Commendation Medal (with gold star in lieu of second award), and the Navy and Marine Corps Achievement Medal. Lieutenant General Chiarotti was also awarded the French National Defense Medal (Silver Award).



VICE ADMIRAL JAMES KILBY, USN

Deputy Chief of Naval Operations for Warfighting Requirements and Capabilities, N9
Office of the Chief of Naval Operations

Vice Admiral James Kilby is a native of Pound Ridge, New York,

and a 1986 graduate of the United States Naval Academy.

Kilby's sea tours included tours aboard USS Sampson (DDG 10), USS Philippine Sea (CG 58) and two tours on USS San Jacinto (CG 56). He commanded USS Russell (DDG 59) where he was awarded the Vice Adm. James B. Stockdale Award for inspirational

leadership. His major command was onboard USS Monterey (CG 61) and included her maiden Ballistic Missile Defense (BMD) deployment in 2011.

His shore tours included the Naval Postgraduate School, two tours in Office of the Chief of Naval Operations' Surface Warfare Directorate (OPNAV N96), Navy Personnel Command's Surface Warfare Division (PERS-41) and the Aegis BMD Program Office in the Missile Defense Agency.

Kilby's first flag assignment was standing up Naval Surface and Mine Warfighting Development Center (SMWDC). Following this, he served as commander, arl Vinson Strike Group and deployed to the Western Pacific in 2017. His most recent assignment was as director, Warfare Integration, OPNAV N9I.

He assumed his role as deputy chief of Naval Operations for Warfighting Requirements and Capabilities, N9, Office of the Chief of Naval Operations, in July 2019.



REAR ADMIRAL STEVE PARODE, USN

Director, Warfare Integration Directorate, N2/N6F
Office of the Chief of Naval Operations

Rear Admiral Steve Parode, is a native of Washington, DC, and was commissioned in

1986 from the Naval Reserve Officer Training Corps program at the University of California, Los Angeles, where he received a BA in History (Soviet Studies). He subsequently received an MA in National Security Studies (American Government) from Georgetown University and was a distinguished graduate of the U.S. Naval War College. He is a member of the Navy's Information Warfare Community and Space Cadre. Upon commissioning, Parode completed Basic Cryptologic Officer training and proceeded to his first duty assignment at Naval Security Group Activity San Vito dei Normanni, Italy.

At sea, Parode served aboard USS Wisconsin (BB 64) as intelligence department head and main battery targeting officer during Operation Desert Storm, where he also qualified as a surface warfare officer; two special submarine mission deployments; cryptologic resource

coordinator and force protection officer for Commander, Cruiser Destroyer Group 8/ USS Dwight D. Eisenhower (CVN 69) strike group and Staff Cryptologist and Information Operations (IO) director for U.S. 6th Fleet aboard USS La Salle (AGF 3) in Gaeta, Italy, where he was fleet battle watch captain during Operation Iraqi Freedom and the J2C and J39 for Joint Task Force, Aztec Silence, in West-Central Africa.

Ashore, in addition to a series of assignments in fleet signals intelligence and while assigned to Naval Security Group Command, he led the first IO division and served on the Network Red Team for Exercise Millennium Challenge. He commanded Navy Information Operations Command, Sugar Grove, West Virginia, and became the first field station commander of National Security Agency (NSA) Sugar Grove Research Station. As commanding officer of Navy Cyber Warfare Development Group, he also served as commander, Task Force 1090, as part of the U.S. 10th Fleet.

Parode's major staff tours were in the office of the Chief of Naval Operations N3/5 as the deputy director for IO and at the office of the Under Secretary of Defense (OUSD) where he validated IO/cyber requirements; served as program manager for Special Program Capability Development; guided policy implementation for intelligence support to IO and cyber operations; and qualified as an information warfare officer and full joint duty.

As a flag officer, Parode has served as director of intelligence (J2) for U.S. Strategic Command and deputy chief of Computer Network Operations (X43) at NSA.

In July 2018, Parode assumed duties as director for Information Warfare Integration Directorate, N2/N6F, Office of the Chief of Naval Operations.

Parode's military awards include the Defense Superior Service Medal (two awards), Legion of Merit, Combat Action Ribbon, other personal awards, various campaign and unit decorations.



LIEUTENANT GENERAL ERIC SMITH, USMC

*Commanding General, Marine Corps Combat Development Command
Deputy Commandant for Combat Development and Integration
Headquarters, U.S. Marine Corps*

Lieutenant General Eric Smith is from Plano, Texas, and

entered the Marine Corps in 1987 through the NROTC program at Texas A&M University. After completing The Basic School and Infantry Officer's Course, he was assigned to 2nd Battalion, 3rd Marines, participating in Operations Desert Shield and Desert Storm. Following a tour as an Officer Selection Officer, he attended the Amphibious Warfare School and then reported to 2nd Battalion, 2nd Marines, for duty as Commanding Officer of Weapons and Echo Companies. During this tour, he participated in Operation Assured Response in Monrovia, Liberia.

After a tour as a Marine Officer Instructor at Texas A&M University, he attended the United States Army Command and General Staff Course. His next assignment was as the Naval Section Chief at the U.S. Military Group in Caracas, Venezuela, from 2001-2003.

From 2003 until 2006, he served in the 1st Marine Division as the Division Current Operations Officer; Executive Officer of Regimental Combat Team 1; Commanding Officer of 1st Battalion, 5th Marines; and Assistant Chief of Staff G3. During this period, he completed two deployments to Iraq in support of Operation Iraqi Freedom. Subsequent assignments were as a student at the Marine Corps War College, Senior Aide to the Commandant of the Marine Corps, and Director of the Fires and Maneuver Integration Division at the Marine Corps Combat Development Command.

From 2009 until 2012, he served in the 2nd Marine Division as the Assistant Chief of Staff G3 and Commanding Officer of 8th Marine Regiment, completing a one-year deployment to Afghanistan in support of Operation Enduring Freedom.

In June of 2012, he reported for duty as the Director of Capability Development Directorate, and in May of 2013 he was assigned as the Senior Military Assistant to the Deputy Secretary of Defense.

From July through November of 2015, he commanded Marine Corps Forces Southern Command in Miami, Florida, and was then transferred to the Pentagon to serve as the Senior Military Assistant to the Secretary of Defense. From February to June 2017, he served as the Assistant Deputy Commandant for Plans, Policies and Operations. From June 2017 until July 2018, he served as the Commanding General, 1st Marine Division. From August 2018 until June 2019, Lieutenant General Smith served as the Commanding General, III Marine Expeditionary Force.

On 13 June 2019, Lieutenant General Smith assumed responsibility as the Commanding General, Marine Corps Combat Development Command, and the Deputy Commandant for Combat Development and Integration, Headquarters, U.S. Marine Corps.



NDIA'S 100TH ANNIVERSARY CELEBRATION

October 30, 2019 | The Ritz-Carlton, Pentagon City

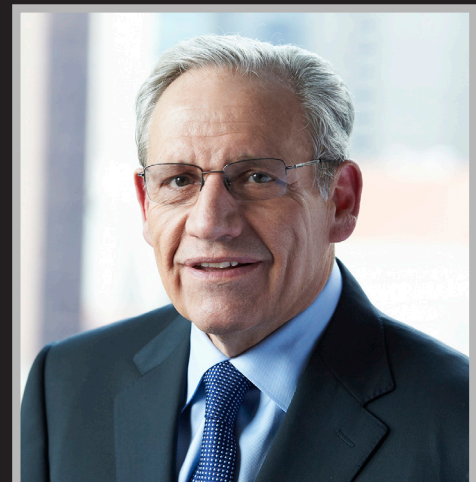
JOIN US

We invite you to attend NDIA's 100th Anniversary Celebration alongside leaders from industry, government, and academia to celebrate NDIA's century-long support of the warfighter.

This once-in-a-lifetime event will feature Bob Woodward, the award-winning journalist, best-selling author, and current associate editor at *The Washington Post*.

REGISTRATION

For more information and to register, visit NDIA.org/100Year



Bob Woodward

THANK YOU TO OUR SPONSORS



PREMIER SPONSOR

Ingalls Shipbuilding is located in Pascagoula, Mississippi, on 800 acres of the most important real estate in America. With 11,500 employees, Ingalls is the largest manufacturing employer in Mississippi and a major contributor to the economic growth of both Mississippi and Alabama. Our 81-year legacy has continuously proven we have the talent, experience and facilities to simultaneously build more classes of ships than any other shipyard in America. We are the builder-of-record for 38 Aegis DDG 51 class guided missile destroyers, America (LHA 6) class large deck amphibious ships, National Security Cutters for the U.S. Coast Guard and the sole builder of the Navy's fleet of San Antonio (LPD 17) class amphibious assault ships. Ingalls Shipbuilding has what it takes to build the military ships that keep America and our allies safe.



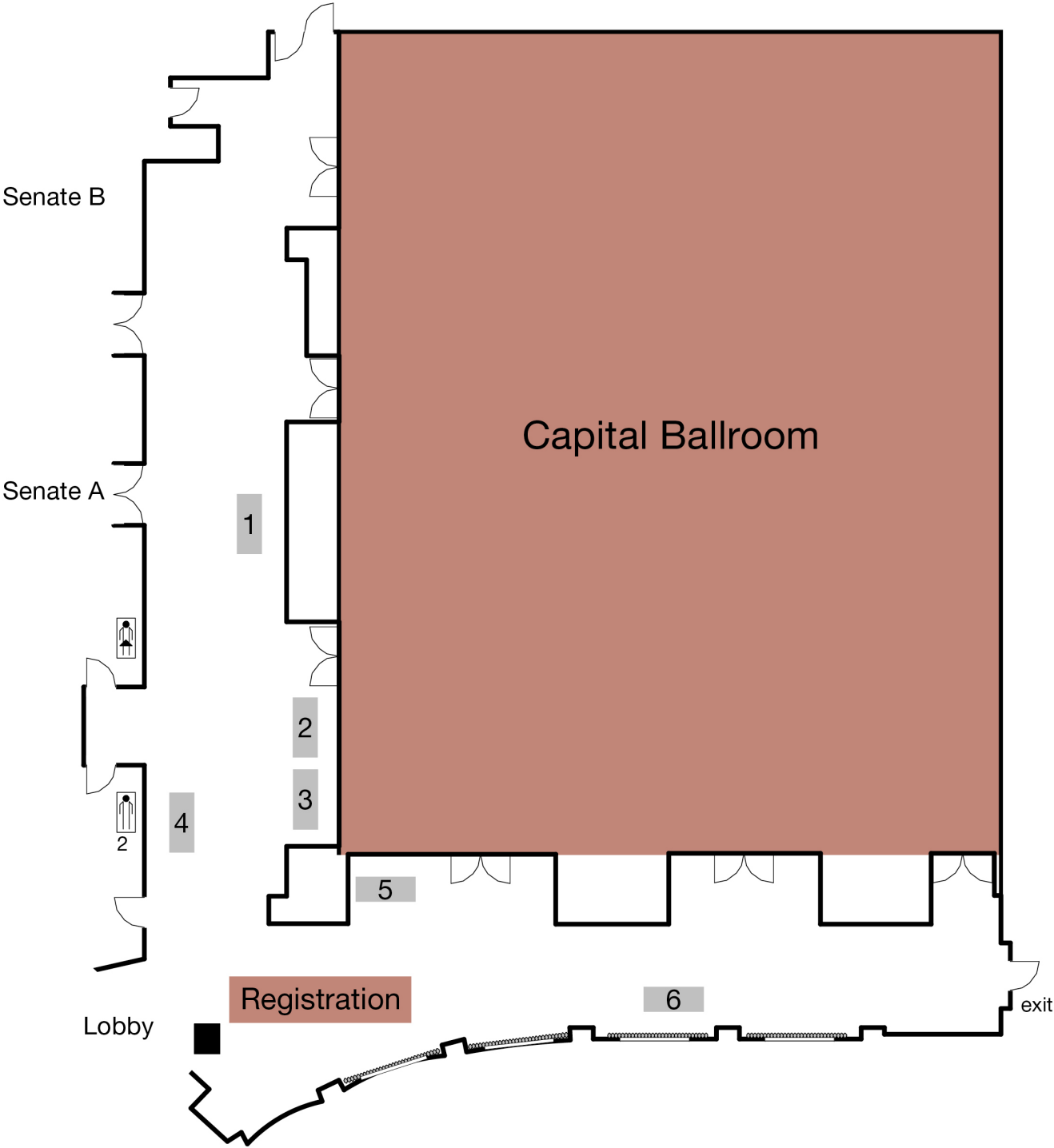
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CONTRIBUTING SPONSOR



TABLETOP DISPLAYS BY COMPANY

ATLAS NORTH AMERICA	1	Ingalls Shipbuilding	4
Trijicon	2	Kraken Robotics, Inc.....	5
Darley Defense	3	Branscope	6

TABLETOP DISPLAY HOURS

TUESDAY, OCTOBER 22

7:00 am – 6:30 pm

WEDNESDAY, OCTOBER 23

7:00 am – 3:00 pm

TABLETOP DISPLAY DESCRIPTIONS



ATLAS NORTH AMERICA

1

Atlas North America (ANA) is a leader in offering underwater imaging systems to the defense and commercial sector. ANA designs and manufactures side scan sonars which can be towed from a boat or embedded into an autonomous undersea vehicle to perform underwater surveys and directed searches. A range of frequencies are available to meet the needs of the mission. Our systems offer high resolution to detect and identify the object of interest and user-friendly software to simplify operations. These systems are in use by the US Navy and other US armed forces and first responders.



BRAINSCOPE

6

BrainScope® One device, utilizing Electroencephalogram (EEG) technology cleared by the FDA, is the first objective, device capable of assessing the full spectrum of mild traumatic brain injury (mTBI/ concussion). Its ability to rapidly identify the likelihood of both structural brain injury and functional brain impairment at the point of care offers an opportunity for dramatic improvement to the current treatment path for evaluating patients. Benefits could include diversion from the emergency department, a major reduction in unnecessary CT scans, early intervention for patients with functional injuries, including concussion—contributing to the best possible outcomes in the shortest possible time.



DARLEY DEFENSE

3

“Darley has enjoyed a long, proud tradition of supplying mission critical equipment to our troops. In 2007, we were awarded the first of two major DLA contracts under the Tailored Logistics Support Program (TLSP) for both Fire and Emergency Services Equipment (F&ESE) and Special Operational Equipment (SOE). The DoD recognized Darley’s corporate experience, past performance and ability to be a reliable vendor. Our outside defense sales team is comprised exclusively of veterans who proudly served our country. They are currently working with major military bases throughout the country. Visit www.darleydefense.com to view our Capabilities.”



INGALLS SHIPBUILDING

4

With 11,500 employees, Ingalls is the largest manufacturing employer in Mississippi and a major contributor to the economic growth of both Mississippi and Alabama. Our 81-year legacy has continuously proven we have the talent, experience and facilities to simultaneously build more classes of ships than any other shipyard in America. We are the builder-of-record for 38 Aegis DDG 51 class guided missile destroyers, America (LHA 6) class large deck amphibious ships, National Security Cutters for the U.S. Coast Guard and the sole builder of the Navy’s fleet of San Antonio (LPD 17) class amphibious assault ships. Ingalls Shipbuilding has what it takes to build the military ships that keep America and our allies safe.



KRAKEN ROBOTICS, INC.

5

Kraken Robotics Inc. is a marine technology company engaged in the design, development and marketing of advanced sensors, software and underwater robotics for Unmanned Maritime Vehicles used in military and commercial applications. We are recognized as a world leading innovators of synthetic aperture sonar (SAS), a revolutionary underwater imaging technology that dramatically improves seabed surveys by providing ultra-high resolution imagery at superior coverage rates. Kraken has evolved from building world class SAS sensors to building world class underwater vehicles including tethered (KATFISH™) and autonomous (THUNDERFISH™) versions.



TRIJICON, INC.

2

Trijicon has led the industry in the development of superior any-light aiming systems since the company's founding in 1981. World-renowned for its innovative applications of tritium and advanced fiber-optics, Trijicon manufactures the most advanced riflescopes and sights for tactical and sporting applications. As a result, Trijicon has earned the trust of those who are most in need of aiming accuracy and dependability. The company is proud to count as our customers the United States Marine Corps, United States Army, United States Special Operations Forces, United States Government, and state and local Law Enforcement, just to name a few



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Purpose built for challenging and confined environmental conditions, Saab's Sea Wasp delivers a state of the art underwater capability for a range of operations. The versatile, two-man portable design complements the EOD tool box to provide options to the Expeditionary Task Force Commander.

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Significantly increase your first-round hit probability with the Trijicon® Machine Gun Reflex Sight. The MGRS® was designed specifically to aid the machine gunner in rapid target acquisition while maintaining situational awareness by keeping both eyes open. This non-magnified optic mounts to both M2 and M240 machine guns and provides enhanced accuracy and performance.

- Large objective lens with 3 in. x 2 in. viewing area allows users to rapidly acquire targets
- Interchangeable ranging dials for increased flexibility
- 35 MOA-Segmented circle with 3 MOA Dot for increased probability of first-round hits
- Forged 7075-T6 aluminum housing to perform in punishing conditions

View the technology
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