

17th Annual

# EXPEDITIONARY WARFARE CONFERENCE

"Expeditionary Warfare - Closing the Gaps"





# **LOCATION**

Wyndham Bay Point Hotel 4114 Jan Cooley Drive Panama City Beach, FL 32408 (850) 236-6000

# **CONFERENCE ATTIRE**

Appropriate dress for the Conference is business casual for civilians and Class B uniform or uniform of the day for military personnel.

# **ID BADGES**

During Conference registration and check-in, each Attendee will be issued an identification badge. Please be prepared to present a valid picture ID. Badges must be worn at all conference functions.

# NETWORKING RECEPTION WITH TECHNOLOGY DISPLAYS AT NSWC PCD

A Networking Reception with Technology Displays will be held at the Naval Surface Warfare Center Panama City Division (NSWC PCD) on Wednesday, September 12, 2012 from 5:00PM until 10:00PM. Please note that in order to attend this portion of the Expeditionary Warfare Conference, an additional registration fee of \$20 is required.

A rotating, chartered bus will be provided from the Wyndham Bay Point Hotel to NSWC PCD starting at 4:30PM. Please note that attire for the Networking Reception is casual. The event is held in an open air facility and warm clothing is recommended.

To attend the Networking Reception with Technology Displays, you must have your Expeditionary Warfare Conference badge which you may retrieve at the NDIA registration desk. Please bring a valid picture ID and your conference badge to board the bus.

# **MONDAY, SEPTEMBER 10, 2012**

8:00AM – 1:00PM Golf Tournament

Nicklaus Golf Course & Club House

12:00PM – 7:00PM Conference Registration

St. Andrews Foyer

2:30PM – 5:30PM Session – Mine Warfare (MIW) in 21st Century

**Expeditionary Operations** 

St. Andrews Ballroom

This timely Session will focus on the upcoming MIW threats in this 21st Century of "Asymmetric Warfare" and how strongly our Navy is pursuing both Mining and MCM capabilities to be ready on all fronts, particularly Expeditionary Warfare!

Session Chair: RADM Chuck Horne, USN (Ret)

2:30PM – 3:00PM LCSs and their Mission Modules in Asymmetric Warfare

► CAPT John Uhl, USN, Deputy, Surface Ships, N96E

3:00PM – 3:30PM Integration of MIW in Expeditionary Operations

► CAPT Randy Hill, USN (Ret), Deputy, Naval Mine and

Anti-Submarine Warfare Command

3:30PM – 4:00PM Future of MIW in Asymmetric Warfare

► RDML Frank Morneau, USN, Deputy Director, Expeditionary Warfare Division (N95B), OPNAV

4:00PM – 4:30PM Current and Future MIW Systems

► CAPT John Ailes, USN, Program Manager, LCS Mission

Modules, PMS 420

4:30PM - 5:00PM Developmental Status of Our Navy's Timely MIW Systems

Mr. David Tubridy, Head, Littoral & Mine Warfare

Systems Department, NSWC PCD

5:00PM – 5:30PM Open Session – Q&A with the Presenters Panel

► Mine Warfare Session Panelists

**6:00PM – 7:00PM** Networking Reception (Cash Bar)

St. Andrews & Grand Lagoon Foyers

7:00PM Dinner with Guest Speaker

Grand Lagoon Ballroom

ADM Harry G. Ulrich, III, USN (Ret), Former Commander, U.S. Naval Forces Europe; Former Commander, Allied Joint Force Command Naples

# **TUESDAY, SEPTEMBER 11, 2012**

7:00AM – 4:30PM Conference Registration

St. Andrews Foyer

7:00AM – 8:00AM Continental Breakfast

St. Andrews & Grand Lagoon Foyers

8:00AM – 8:30AM Welcome & Introductory Remarks

St. Andrews Ballroom

MG Barry D. Bates, USA (Ret), Vice President,

Operations, NDIA

► MajGen Thomas A. Benes, USMC (Ret), Expeditionary Warfare Support, Alion Science and Technology; Chairman,

NDIA Expeditionary Warfare Division

▶ Mr. Duane Covert, Northrop Grumman IS; Conference

Chair, NDIA Expeditionary Warfare Division

8:30AM – 9:30AM Keynote Speaker

St. Andrews Ballroom

▶ Ms. Ariane Whittemore, SES, Assistant Deputy Commandant, Programs and Resources, HQMC

9:30AM – 10:00AM Networking Break

St. Andrews & Grand Lagoon Foyers

10:00AM – 10:45AM Guest Speaker

St. Andrews Ballroom

▶ BrigGen Mark R. Wise, USMC, Commanding General, Marine Corps Warfighting Laboratory; Vice Chief of Naval

Research, Office of Naval Research

10:45AM – 11:30AM Guest Speaker

St. Andrews Ballroom

▶ VADM William Burke, USN, Deputy Chief, Naval

Operations, Warfare Systems (N9)

11:30AM – 1:00PM Networking Lunch

Grand Lagoon Ballroom

1:00PM – 1:45PM Guest Speaker

St. Andrews Ballroom

LtGen Richard P. Mills, USMC, Deputy Commandant,

Combat Development and Integration, HQMC

1:45PM – 4:30PM Session – EXWAR Current Operations

St. Andrews Ballroom

The currency of concepts, requirements, and training to recent experience and the current environment is always a key element in the success of both our developmental and acquisition process, as well as the success of our forces on the battlefield. There are always old and current concepts that still work and are proven, but there is also always an element of change and focus that occurs based on the development of new technologies, concepts, the enemy or the overall environment

# **CONFERENCE CONTACTS**

MajGen Thomas A. Benes, USMC (Ret)

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Division

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Conference Chairman, Expeditionary

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# **SPEAKER DONATION**

In lieu of Speaker gifts, a donation will be made to the Wounded Warrior Project. For additional information, please visit: http://www.woundedwarriorproject.org

# **ADVERTISING**

Advertise in *National Defense* magazine and increase your organization's exposure. *National Defense* will be distributed to Attendees of this event, as well as other NDIA events. For more information, contact Mr. Dino Pignotti, VP Advertising, at (703) 247-2541 or dpignotti@ndia.org.

in which we must operate. To be effective and successful we must keep abreast of these changes. The Session will discuss current and recently past operations with a focus on how USMC and Navy forces are currently operating and training. The intent is to discuss, examine and raise questions on what concepts work, what specific systems or equipment effectively support current and future concepts, what capabilities are effective, which capabilities or systems are not effective, and what capabilities or capability improvements the operating forces need that they do not have today. Current operational leaders will speak on these issues from either their recent experience in preparing units to deploy, in operations, in capability development, or in training.

**Session Chair:** Mr. Dewey Mauldin, Vice President, The Boeing Company

# **Bold Alligator**

► Col Bradley E. Weisz, USMC, Deputy Commander, Expeditionary Strike Group TWO

► Col Scott Aiken, USMC, Fleet Marine Officer, U.S. Fleet Forces Command; Former Chief of Staff, Bold Alligator, II MEU

# **Recent Operations**

▶ LT Winston Brown, USN, COMPHIBRON 6 AIROPS

▶ LtCol John Kelley, USMC, Operations Officer, 22 MEU, II MEF

2:30PM – 3:00PM Networking Break

St. Andrews & Grand Lagoon Foyers

3:00PM – 4:30PM Session Continues

St. Andrews Ballroom

4:30PM Adjourn

# **WEDNESDAY, SEPTEMBER 12, 2012**

6:45AM – 4:45PM Conference Registration

St. Andrews Foyer

6:45AM – 7:45AM Continental Breakfast

St. Andrews & Grand Lagoon Foyers

7:45AM – 8:00AM Welcome & Introductory Remarks

St. Andrews Ballroom

▶ Mr. Duane Covert, Northrop Grumman IS; Conference Chair, NDIA Expeditionary Warfare Division

8:00AM – 8:45AM Keynote Speaker: Rebalancing Expeditionary Warfare Capabilities in the Pacific Area of Operations

St. Andrews Ballroom

LtGen Thomas L. Conant, USMC, Deputy Commander, U.S. Pacific Command

#### 8:45AM - 12:00PM

# Session - Closing the Gaps in EXWAR C4ISR/Cyber

St. Andrews Ballroom

Exploring the evolving C4ISR/Cyber issues confronting Naval Expeditionary Forces in overcoming anti-access/area denial (A2/AD) challenges to achieving entry (leverage Bold Alligator and Expeditionary Warrior 2012). C4ISR encompasses systems, procedures, and techniques used to collect and disseminate information. It includes intelligence collection and dissemination networks, command and control networks, and systems that provide the common operational/tactical picture. It also includes information assurance products and services, as well as communications standards that support the secure exchange of information by C4ISR systems. Under the C4ISR umbrella, systems exchange digital, voice, and video data to appropriate levels of command. Command, Control, Communication, Computers, Intelligence, Surveillance Reconnaissance no longer operate in a vertical construct; they are inextricably linked and network-enabled and dependent. Cyberspace is now a domain along with Air, Sea, Land, and Space. Cyberspace operations is defined as the employment of cyber capabilities where the primary purpose is to achieve military objectives or effects in or through cyberspace. Such operations include computer network operations and activities to operate and defend the global information grid. U.S. Cyber Command defines full-spectrum cyber operations as the employment of the full range of cyberspace operations to support combatant command operational requirements and the defense of DoD information networks. This includes efforts such as computer network defense, computer network attack, and computer network exploitation.

Session Chair: Mr. Roy Byrd, USMC Programs, ITT Exelis

- ▶ Mr. Bob Backus, NSWC PCD
- ▶ Mr. Jim Strock, Director, Seabasing Integration Division, DC CD&I

# 9:30AM - 10:00AM

# **Networking Break**

St. Andrews & Grand Lagoon Foyers

# 10:20AM - 12:00PM

#### Session Continues

St. Andrews Ballroom

# 12:00PM - 1:30PM

# **Lunch with Guest Speaker**

Grand Lagoon Ballroom

▶ Honorable Robert O. Work, Under Secretary of the Navy, Department of the Navy

# 1:30PM - 2:15PM

# **Keynote Speaker**

St. Andrews Ballroom

Mr. Brian J. Persons, SES, Executive Director, Naval Sea Systems Command

# 2:15PM - 4:45PM

#### Session – Blue/Green Platform Acquisition

St. Andrews Ballroom

"May you live in interesting times" Ancient Chinese Proverb & Curse

Continuing resolutions vice firm budgets, in the shadow of budget sequestration, withdrawing from Afghanistan and tilting in a new strategic direction – it's never been easy, but the Navy-Marine Corps team is faced as never before with numerous and serious challenges. Choosing the platforms and systems to provide the capabilities necessary to meet the combatant commander requirements has never been more important. The Blue/Green Platform Acquisition Session Panel will provide an overview of expeditionary warfare acquisition programs, the outlook for the years ahead, and how expeditionary warfare platforms and systems will maintain relevancy in an Air-Sea Battle environment.

Session Chair: Mr. Jeff Steelman, Vice President, The Steelman Group, Inc.

- ▶ CAPT John W. Ailes, USN, Program Manager, Mission Modules (PMS420)
- Mr. Jay Stefany, Executive Director, Amphibious Warfare and Sealift Office
- ▶ RADM Mark H. Buzby, USN, Commander, Military Sealift Command
- Col Jeffrey K. Mosher, USMC, Department Branch Head, Aviation Weapons Procurement, HQMC



# **PROCEEDINGS**

Proceedings will be available on the web through the Defense Technical Information Center (DTIC) two weeks after the conference. All registered Attendees will receive an email notification once the proceedings are available.

# **SURVEY**

A survey will be e-mailed to you after the event. NDIA would appreciate your time in completing the survey to help make our conference even more successful in the future.

# **NDIA EVENTS**

Please visit the NDIA website for a complete listing of the events we offer.

NDIA website: http://www.ndia.org

Select: Meetings & Events Schedule of Events 2:45PM – 3:15PM Networking Break

St. Andrews & Grand Lagoon Foyers

3:15PM – 4:45PM Session Continues

St. Andrews Ballroom

5:00PM – 10:00PM Networking Reception with Technology Displays at

NSWC PCD

NSWC (Transportation provided; Reception badge required)

# **THURSDAY, SEPTEMBER 13, 2012**

7:00AM – 12:05PM Conference Registration

St. Andrews Foyer

7:00AM – 7:45AM Continental Breakfast

St. Andrews & Grand Lagoon Foyers

7:45AM – 7:50AM Welcome & Introductory Remarks

St. Andrews Ballroom

Mr. Skip Gaskill, Director, Government Affairs, Textron

7:50AM – 8:35AM Keynote Speaker

St. Andrews Ballroom

Dr. Lawrence C. Schuette, Director of Innovation, Office

of Naval Research

8:35AM – 11:40AM Session – Resourcing Current Operations and Tomorrow's

Asia-Pacific Focused Expeditionary Operations

St. Andrews Ballroom

The Navy & Marine Corps are facing unprecedented resource challenges as they execute FY12 programs, prepare themselves for potential further FY13 cuts, and develop FY14 and beyond budget requests. Calculated decisions have to be made to ensure the Navy/Marine Corps team can execute the full range of military operations in the Joint Operating Environment. This Session will provide insight into the Navy and Marine Corps' resource allocations supporting current operations, as well as looking to the future focus in the Asia-Pacific region. The Panel is comprised of the resource sponsors (N95) and requirements developers (CDD) responsible for making the funding recommendations and decisions.

**Session Chair:** Mr. Skip Gaskill, Director, Government Affairs, Textron

- ► CAPT Travis Schweizer, USN, Special Warfare Branch, OPNAV 951
- ► CDR Robert DeBuse, USN, Mine Warfare Branch, OPNAV 952
- ► CDR George Doyon, USN, Amphibious Warfare Branch, OPNAV 953
- ► CAPT Sean Gaeney, USN, Expeditionary Prepositioning & Connectors Branch, OPNAV 954

9:25AM – 9:55AM Networking Break

St. Andrews & Grand Lagoon Foyers

9:55AM – 11:40AM Session Continues

St. Andrews Ballroom

11:40AM - 11:55AM Closing Comments

St. Andrews Ballroom

▶ RDML Frank Morneau, USN, Deputy Director, Expeditionary Warfare Division (N95B), OPNAV

11:55AM – 12:05PM Conference Closing Remarks & Adjournment

St. Andrews Ballroom

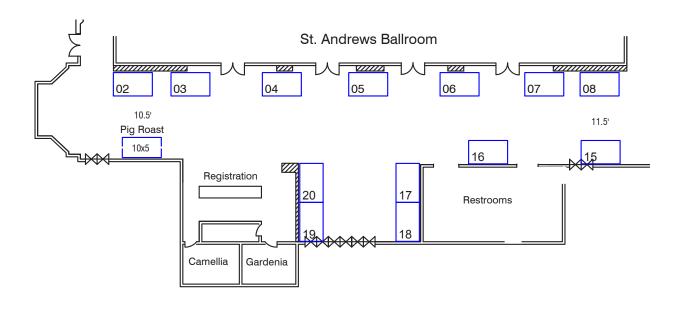
Mr. Duane Covert, Northrop Grumman IS; Conference Chair, NDIA Expeditionary Warfare Division

12:05PM Boxed Lunch

St. Andrews & Grand Lagoon Foyers



# **FLOOR PLAN**BALLROOMS & FOYERS



Display #	Organization/Company	Display #	Organization/Company
2	Rolls-Royce North America	8	Seabasing Integration – Modeling &
3	The Boeing Company		Simulation
4	OPNAV N95	15	Textron Marine & Land Systems
5	Northrop Grumman Corporation	16	Oceaneering International, Inc.
6	Ingalls Shipbuilding	17	RMW Italia S.p.A.
7	Seabasing Integration – Innovative	18	MSI (Materials Systems, Inc.)
	Technology	19, 20	Weatherhaven Resources, Inc.

# **DISPLAYER DESCRIPTIONS**

#### THE BOEING COMPANY

Boeing Defense, Space & Security combines manned and unmanned vehicle capabilities, intelligence and security systems, communications architectures and extensive large-scale integration expertise across several diverse business areas. A \$32 billion business with 61,000 employees worldwide, Boeing Defense, Space & Security's strategy is to understand the enduring needs of customers and provide capability-based solutions to meet their rapidly evolving requirements. The strategy includes understanding the art of using current and emerging technologies to improve the capabilities of existing products and deliver new solutions.

# INGALLS SHIPBUILDING

For more than 74 years, the employees of Ingalls Shipbuilding facilities have pioneered the development and production of technologically advanced, highly capable warships for the surface Navy fleet, U.S. Coast Guard, U.S. Marine Corps, and foreign and commercial customers. Ingalls Shipbuilding is the largest manufacturing employer in both the states of Mississippi and Louisiana, and a major contributor to the economic growth of the state of Alabama, as well.

For more information, please visit http://www.huntingtoningalls.com/is.

# **MSI**

MSI (Materials Systems, Inc.) designs and manufactures custom sonar transducers and arrays. MSI's piezocomposite technology offers extremely broad bandwidth, high receive sensitivity, high source levels, conformability for curved arrays, and reduced side lobes. The technology has enabled several of the most advanced sonar systems available today.

MSI has a staff of experienced design engineers ready to help you with your transducer design. Our process of engaging our team early on in design process allows customers to maximize the capabilities while also minimizing the total cost.

MSI's manufacturing capabilities are designed to assure you receive a high quality product. Our fully integrated manufacturing and testing capabilities allow us to turn raw product into finished assemblies.

With MSI's combination of experienced design engineering and fully integrated manufacturing, MSI has become the recognized leader in providing high performance piezocomposite transducers for the U.S./ Navy and a number of other defense contractors. MSI is in full scale production and deployed in a variety of military applications.

Whether you need a custom designed product or are just looking for a source to build your existing design, MSI is the right choice.

# NORTHROP GRUMMAN CORPORATION

Northrop Grumman Corporation is a leading global security company providing innovative systems, products and solutions in aerospace, electronics, information systems, and technical services to government and commercial customers worldwide.

The company offers an extraordinary portfolio of capabilities and technologies that enable us to deliver innovative systems and solutions for applications that range from undersea to outer space and into cyberspace. Northrop Grumman's core competencies are aligned with the current and future customer needs and address emerging global security challenges in key areas, such as unmanned systems, cybersecurity, C4ISR, and logistics that are critical to the defense of our nation and its allies.

For more information, please visit http://www.northropgrumman.com.

# OCEANEERING INTERNATIONAL, INC.

Oceaneering is a global oilfield provider of engineered services and products, primarily to the offshore oil and gas industry, with a focus on deepwater applications. Through the use of its applied technology expertise, Oceaneering also serves the defense and aerospace industries.

The Advanced Technologies (ADTECH) group of Oceaneering specializes in manned subsea and space systems, as well as practical, cost-effective robotic systems. ADTECH provides full life cycle submarine maintenance services to the U.S. Navy, space suit design and astronaut tooling for NASA, and a variety of other engineered products and solutions.



#### **OPNAV N95**

OPNAV N95 serves as the Resource Sponsor for Naval Special Warfare, Mine Warfare, Amphibious Warfare, Surface Connectors, Navy Expeditionary Combat Command, and Manpower and Training for expeditionary forces.

# RMW ITALIA S.p.A.

RWM Italia S.p.A. has been developing and producing sea mines since the late 70s

Know How is always State of the Art: Latest design completed in 2011

RWM Italia mines are combat proven

Large base of Customers worldwide equals reduced development costs: 17 Customer Navies

Biggest private producer worldwide: More than 6000 RWM Italia mines in service today

Through Life Support >30yrs: None of RWM Italia mines have been phased out because of lack of support or spares

#### **ROLLS-ROYCE**

Rolls-Royce is the world's largest supplier of marine equipment and a leader in power and propulsion for naval ships. Rolls-Royce has provided equipment for every current class of surface ships and is now a key supplier to the Virginia class submarine. Products include controllable pitch propellers, fixed pitch propellers, gas turbine engines, waterjets and diesel engines.

#### SEABASING INTEGRATION – INNOVATIVE TECHNOLOGY

The Dense Pack Access Retrieval & Transit will provide a suite of Li-Ion and hybrid diesel/Li-Ion powered MHE to selectively access wheeled/tracked vehicles, aircraft and containers and omni-directionally move them in confined spaces (including ships underway, hangars and land based facilities) and to connectors for movement to shore, using a common remote control.

# Key Technologies:

- RORO C-LMS: Roll-on/Roll-off Container-Lifting Maneuver System
- ORLAM: Opposed Ramp Lift & Maneuvering System
- ANT-LWV: Autonomous Naval Transport Large Wheeled Vehicle
- ANT-AVN: Autonomous Naval Transport Aviation
- SPIDR II: Selective Positioning Independent Deck-cargo
- Re-locator Version 2
- Common Remote Control
- Li-Ion Power Module

#### SEABASING INTEGRATION - MODELING & SIMULATION

N/MSIC is a collaborative, long-term venture between the Navy and the Marine Corps that applies a holistic, enterprise approach to Marine Air Ground Task Force (MAGTF)-Ship integration by combining sophisticated, dynamic modeling and simulation systems with cross-functional, Integrated Task Forces (ITFs). N/MSIC forms a common picture for all DoN Expeditionary Warfare Decision Support System stakeholders (PPBE, Acquisition, Requirements) in order to optimize MAGTF employment aboard L-Class ships by informing decision-makers on ship design, MAGTF equipment fielding alternatives, and alternative methods of MAGTF employment from ships. The resulting analysis will show the operational impact of transition strategies, cost reduction measures, detail design decisions, and capability trades. The Navy/MAGTF Ship Integration Center (NMSIC) is a collaborative effort between Headquarters Marine Corps, Combat Development & Integration and OPNAV N-95. NMSIC is an all-encompassing suite of integrated models aimed at analysis of the operational footprint and the logistics flow within amphibious and prepositioning ships for afloat Marine Air Ground Task Force (MAGTF) operations.

#### **TEXTRON MARINE & LAND SYSTEMS**

Textron Marine & Land Systems designs, produces and supports advanced wheeled combat vehicles and cutting-edge maritime craft used by U.S. and international armed forces, as well as civilian entities around the globe. Its family of Armored Security Vehicles offers enhanced survivability and highly mobile combat security vehicles with unmatched capabilities. Textron Marine & Land Systems' innovative turret technology and related subsystems also deliver outstanding performance and reliability. Its strategic business, Millen Works, operates an Engineering Center of Excellence with a reputation as a highly sought-after solution center, which designs and develops advanced mobility solutions for demanding on- and off-road applications. Textron Marine & Land Systems is an operating unit of Textron Systems.

For more information, please visit http://www.textronmarineandland.com.

# WEATHERHAVEN RESOURCES, INC.

Weatherhaven provides air-transportable, fabric covered structures, turnkey camps and deployable medical facilities for remote military field operations in Canada, USA and throughout the world.

On all seven continents, Weatherhaven shelters' rugged construction has been put to the test withstanding the searing heat and blowing sands of arid deserts, the sub-zero temperatures of the frozen tundra and the torrential rains and constant humidity of the tropics.

Through its extensive experience on projects with complex logistical demands, technical ingenuity and climate extremes, Weatherhaven has established itself as a world leader in the design, manufacturing, mobilization and installation of deployable infrastructures anywhere, anytime. At the end of a mission, Weatherhaven will demobilize, refurbish and store shelters and equipment so that they are ready for the next deployment.

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For more than 74 years, the employees of Ingalls Shipbuilding facilities have pioneered the development and production of technologically advanced, highly capable warships for the surface Navy fleet, U.S. Coast Guard, U.S. Marine Corps, and foreign and commercial customers. Ingalls Shipbuilding is the largest manufacturing employer in both the states of Mississippi and Louisiana, and a major contributor to the economic growth of the state of Alabama, as well.

For more information, please visit http://www.huntingtoningalls.com/is.





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