

**Undersea Warfare Division
Executive Board Meeting
September 8, 2008
Fall Conference
Groton, CT**

Agenda

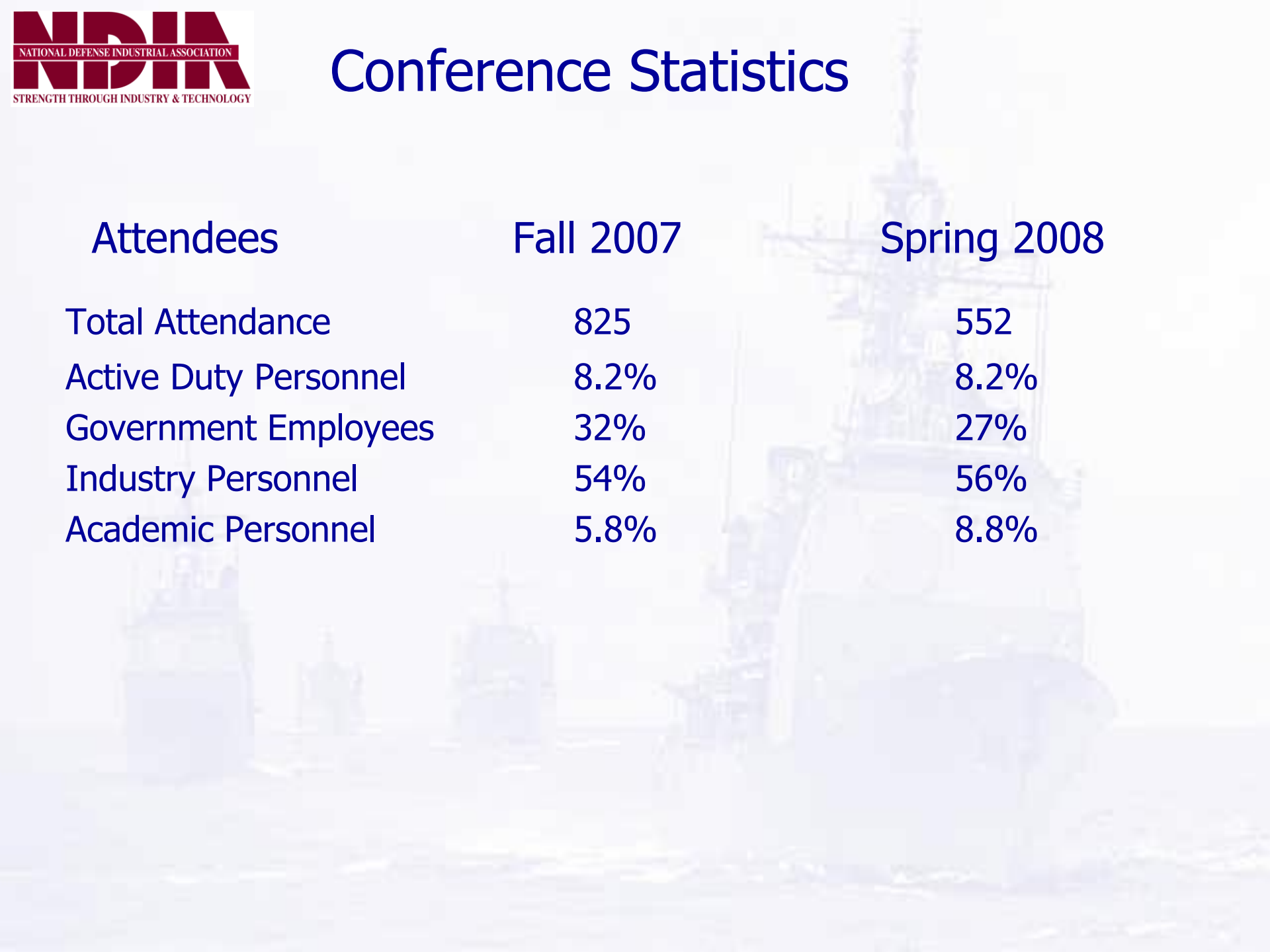
- Chairman's Topics – Bruce Spear
- Action Item Review – Rick Udicious
- Committee Reports:
 - Fall Conference – Paul Normand
 - Spring Conference – Wayne Jakubowski
 - Undersea Sensors – Jose Rio
 - Mine Warfare – Eric Holmes
 - Undersea Warfare Vehicles – Rich Talipsky
 - Aviation USW – Dave Nelson
 - C4I & Combat Systems – Mike Tucker
 - Publications – Tom Dion
 - Awards – Bob Kittredge
 - Academic Fellowship – Chuck Zentner
 - Roundtable – Mike Sharp
- Bylaws & Advisory Council Remarks – Ron McKenzie
- Vice Chairman Remarks – Jim Fitzgerald



Chairman's Topics

Bruce Spear

Conference Statistics



Attendees	Fall 2007	Spring 2008
Total Attendance	825	552
Active Duty Personnel	8.2%	8.2%
Government Employees	32%	27%
Industry Personnel	54%	56%
Academic Personnel	5.8%	8.8%

NDIA Undersea Warfare Division Roster

<i>Bertrand, Joan</i>	09	AC	<i>Jordan, Wes</i>	09	EB	<i>Smith, Amy</i>	10	EB
<i>Blue, Ron</i>	10	EB	<i>Jakubowski, Wayne</i>	11	EB	<i>Spear, Bruce</i>	11	EB
<i>Bradshaw, Jerr</i>	11	AC	<i>Keil, Juergen</i>	09	EB	<i>Sullivan, Paul</i>	09	AC
<i>Brandes, John</i>	10	EB	<i>Key, William</i>	10	EB	<i>Talipsky, Rich</i>	09	EB
<i>Butler, John</i>	11	AC	<i>Kittredge, Bob</i>	09	EB	<i>Thompson, Jim</i>	11	AC
<i>Casey, Tom</i>	10	EB	<i>McKenzie, Ron</i>	10	AC	<i>Tighe, Frank</i>	10	EB
<i>Conant, Ed</i>	10	AC	<i>Mikhalevsky, Peter</i>	09	AC	<i>Tucker, Mike</i>	09	EB
<i>Davis, Phil</i>	10	AC	<i>Miller, Samuel (Skip)</i>	10	EB	<i>Udicious, Richard</i>	11	EB
<i>Dion, Tom</i>	11	EB	<i>O'Neill, John</i>	09	AC	<i>Whisler, Glenn</i>	09	AC
<i>Dougherty, Bud</i>	09	AC	<i>Nelson, Dave</i>	11	EB	<i>Witter, Jean</i>	11	AC
<i>Epstein, Larry</i>	10	EB	<i>Normand, Paul</i>	09	EB	<i>Witter, Ray</i>	09	AC
<i>Fitzgerald, Jim</i>	10	EB	<i>Padgett, John</i>	11	AC	<i>Young, Charlie</i>	11	AC
<i>Fleischmann, John</i>	10	EB	<i>Pittenger, Dick</i>	11	AC	<i>Zarnich, Bob</i>	11	EB
<i>Fritts, Roland</i>	10	AC	<i>Randall, Don</i>	08	EB	<i>Zentner, Chuck</i>	10	EB
<i>Hack, Ted</i>	11	EB	<i>Rio, Jose</i>	10	EB	<i>RDML Patrick H. Brady</i>		
<i>Holmes, Eric</i>	09	EB	<i>Rosbolt, Paul</i>	11	EB	<i>Bruce Roulstone</i>		
<i>Holmes, John</i>	10	AC	<i>Saiki, Denise</i>	10	EB	<i>Theresa Baus</i>		
<i>Hyde, Milo</i>	09	AC	<i>Sexauer, Roger</i>	08	AC	<i>Greg Jones</i>		
<i>Jensen, Ken</i>	11	EB	<i>Sharp, Mike</i>	08	AC	<i>Bill Carlson</i>		
<i>Jones, Dennis</i>	11	AC	<i>Sirmalis, John</i>	10	AC			
<i>Jones, Tom</i>	11	EB						

Action Item Review

Include detailed meeting agenda in presentation material for next sessions (Udicious)

Discussion about potential future executive board meeting participation via telecomm: Action for all (especially those NOT attending): feedback via email to Udicious and/or Spear

Need to update the NDIA UWD presentation made to N8 (McKenzie provide soft copy to Udicious/Spear)

Discussion of "Special Topic" to develop a brochure which includes credentials and contact information of UWD leadership Action for all to respond with information and concur/rescind permission to release personal and contact information

Discussion of "Special Topic" related to NDIA Legislative Issues, perhaps we should consider a study or committee on the subject of the acquisition issue? Bring comments to next board meeting (all)

Develop a "talking paper" for 3 NDIA issues and provide DRAFTS for review by 9/08/08 meeting (Udicious)

SWO Flag representation on Fall Conference Plenary Agenda (Normand)

Pre-Clambake Nautilus Museum reception (Normand)

RSVP Kim Williams and/or Bruce Roulstone for Speaker Dinner (all) – THIS REMAINS AN ISSUE!!!

Action Item Review (Continued)

Address lingering issue of Aviation USW/ASW with regard to technical sessions and plenary session representation (Nelson)

Determine if/how/whether the UWD can/should help regenerate priority for air ASW capability and increase the visibility/support from Navy and Congressional leadership (Nelson)

Award nominations solicited per slide presentation (ALL consider nominees and input to Kittredge)

Motion agreed that scholarships to be funded as recommended in presentation material, including that Fellowship Fund to be debited if conference fees and market value do not sustain need (Zentner/Roulstone)

Biennial report and review of bylaws deferred to 9/08/08 meeting (McKenzie/Udicious to provide advance material for board review)



NDIA Issues: USW Division Talking Points

Rick Udicrous
Rick Udicrous
Division Deputy Chair

Sustaining the US National Security Workforce Advantage: DRAFT USW Division Points

The US is facing a crisis in engineering talent due to the increasing demand for talent and the continuously reducing number of undergraduates in this field. Additionally, the inclusion of women as a segment of the engineering population has been far less significant than in other professions. Some estimates suggest that at the rate of today's progress we will see a continued decline in undergraduate engineers and also that women will not achieve parity in representation until almost 2050. The defense industry is a small claimant on engineering talent and will face increased pressures to sustain the critical intellectual capital advantage without a change in national trends.

NDIA USW Division should focus on this issue and help address the pipeline for resources by working at the secondary schools and universities to help turn the trend. Our support of graduate education fits this nicely. Our executive board and advisory committee members should take active roles with high school mentoring and career development activities which promote the engineering profession and emphasize the need for this talent to support a strong national defense.

Ensuring the Integrity & Responsiveness of the Acquisition Process: DRAFT USW Division Points

The issue of competition should be addressed to balance the value gained with the fragility of some industrial base sectors. For example, competition should be used judiciously where significant capability exists and will be sustained, therefore providing a continuity of value gained. Source selection procedures, both sole-source and competitive, should be reviewed to provide greater scrutiny by independent reviewers and across joint stakeholders. The issues and processes related to protested bids could also be reviewed to determine whether there are systemic root causes embedded in the current acquisition process.

NDIA USW Division should play a leadership role to help reinvigorate the government contracting work force which has lost significant experience due to civilian workforce reduction, retirement and other attrition. This includes the potential for a committee focused on acquisition and inclusion of this topic in future conference(s) agenda. Executive board and advisory council members should be available to participate in forums which address this issue, whether public or government sponsored events.

Maintaining a Viable Defense Industrial Base to Ensure Warfighter Readiness: DRAFT USW Division Points

Consistent with the need to revitalize the acquisition workforce and process, there is a need for greater communication with industry, especially in the pre-contracting phase of procurement. Although there is a need to balance the government propriety of sensitive competitive information to sustain a competitive field, procedures for objective dialogue and discussion are allowed by the FAR; lessons learned from major acquisition issues point to the disconnects in assumptions at the time of contract award as a common theme driving cost and schedule mishaps. Also, the government needs to increase the focus on those areas of the industrial base where commercial technologies are not thriving and driving the pace. For example, there are few commercial applications for ISR and ASW sensor technologies, yet they are critical to our existing contingency plans. In the case of ASW, consider a leadership focus at the OPNAV and DASN levels.

NDIA USW Division should play an active role to support the military needs when they are challenged by competing political forces, e.g., the current debate over the use of active sonar and the alleged impact on marine mammals. Although the division is not authorized or expected to perform lobbying, many support channels are available and accessible. The chairman will develop specific agenda topics for the division based on liaison with our sponsor and principal stakeholders. These topics will be promulgated across the division for inclusion in conferences and potential studies.

Executive Roster

REQUEST: Provide Information per Sample Below to
richard.a.udicious@lmco.com

NAME: RICHARD A. (RICK) UDICIOUS

Job Title & Company: VP&GM Lockheed Martin MS2 Tactical Systems

Industrial Base Represented: Electronics & Software

Prior Government Service: US Navy Submarine Officer, CAPT, USNR(ret)

NDIA Service: Deputy Chair (2008), Executive Committee (2002-present)

Education & Certifications: BS, US Naval Academy; MBA, Rensselaer Polytechnic Institute

Contact Information: richard.a.udicious@lmco.com, 651-456-2900 (office)

The background of the slide is a faded, light blue image of a submarine. The submarine is shown from a side-on perspective, moving towards the right. It has a prominent conning tower with various antennas and sensors. The hull number '10' is visible on the side of the conning tower. The overall image is semi-transparent, allowing the text to be clearly legible.

Joint Undersea Warfare Fall Conference

September 8-11, 2008
Groton, CT

Paul Normand
Conference Chair

Joint Undersea Warfare Conference

Theme: *Solutions for a Complex Environment*

Monday 8 Sept (Mystic Marriott Inn and SPA)

- 1500 Executive Board
- 1700 Pre Registration and No-Host Social
- 1900 Speaker's Dinner at Seaman's Inn Mystic CT

Joint Undersea Warfare Conference

Schedule of Events - 9 Sept

Tuesday

0830-1140 Plenary Session Dealy Auditorium

1140-1200 NDIA Bronze Awards

1200-1330 Lunch

1330-1715 Plenary Session

1800 Cocktail Reception at Nautilus Museum (By invitation only includes Executive and Advisory Board)

1900 Clambake North Lake

Joint Undersea Warfare Conference

Schedule of Events – 10/11 Sept

Wednesday

0800-1200 Plenary Session

1300-1700 Technical Sessions

Thursday

0800-1700 Technical Sessions

Confirmed Speakers

- Keynote Address: Honorable Michael Vickers, Assistant Secretary of Defense for Special Operations, Low Intensity Conflict and Interdependent Capabilities
- ADM Kirk Donald USN, Director Naval Nuclear Power
- VADM Jay Donnelly USN, Commander Submarine Forces
- VADM Kevin McCoy USN, Commander Naval Sea Systems Command
- RADM Dave Gove USN, Oceanographer/Navigator of the Navy
- RADM Frank Drennan USN, Commander, Naval Mine and Anti-Submarine Warfare Command
- RADM Cecil E. Haney USN, Director Submarine Warfare Division N87
- RADM Stephen Johnson USN, Director Strategic Systems Programs
- RADM (sel) Mark Kenny USN Commander Irregular Warfare Office
- RADM(sel) Bill Burke USN Director, Navy Quadrennial Defense Review
- RADM (sel) William Hilarides USN, Program Executive Officer for Submarines
- RDML Bruce Grooms USN, Commander Submarine Group Two
- RDML Terry Benedict USN, Program Executive Officer Integrated Warfare Systems
- RDML Sandy Daniels USN, Director Warfare Integration
- Mr. Donald McCormack, Technical Director Naval Underwater Systems Center-Newport
- Mr. Victor Gavin, Executive Director Littoral Mine Warfare
- CAPT Joe Rixey USN, Deputy Program Executive Officer Air Anti Submarine Warfare
- CDR Mike Dargel USN, Director ONI SWORD Division



**Spring 2009 Conference
March 9-12, 2009
Hyatt Islandia**

**Wayne Jakubowski
Conference Chair**

Conference Update

- Date Change to March 9 -12
- Venues are the same
- RADM Drennan has agreed to act as our Active Duty Liaison
 - De-conflicting Commanders Conference
 - Further discussions at Clambake
- I will complete all planning but will not be able to attend this week

Conference Update (Continued)

- Soliciting Theme inputs
 - Active side to participate in final selection

Undersea Sensors Committee

Jose Rio, Chairman

J. Keil, Deputy Chairman

CAPT R. Nicklas, Liaison

T. Kazmar, Liaison

Undersea Warfare Sensors Committee Report

- **Conference Agenda**
 - **Will have split session including:**
 - **Low Cost Conformal Array Performance at Sea by Peter Scala of IWS-5**
 - **Overview of the Advance Development Office by Joe Johnson PEO IWS-5A**
 - **Submarine Acoustic Systems Program Office by CAPT Rick Nicklas USN PMS 401 An Update**
 - **Experimentation with New Technologies Aligned with Requirements of the Submarine Force in the Pacific by David Pistacchio COMSUBPAC**
 - **Shallow Water Array Performance (SWAP) Overview by Dr. Judith Bishop IWS5-A**
 - **SWAP Propagation and Signal Coherence by Dr. Richard Gramann ARL/UT**
 - **Vector Sensors and APB-07 Submarine Operations Results by Dr. Harry Cox Lockheed Martin IS&S, 2007 winner of the Charles B. Martell-David Bushnell Award.**
- **The program provides an excellent status of USW Sensors.**

Mine Warfare Committee

Eric Holmes, Chairman

Bill Key, Deputy Chairman

Gary Humes, Liaison

8 September 2008

Fall Conference

- 3rd year with a full slate of MIW technical presentations
- 27 Abstracts received; ~60% Gov't
 - Focus on Mining (NMAWC interest area)
 - Acquisition Programs update
 - Fleet perspective with IPCL
 - Capabilities v U-IEDs
- Continued discussion of U-IED study

UIED Study Status

- ***Threat & Domestic M/U-IED Requirements*** (WG #2) – draft report available, providing starting point for ***Current Capabilities & Gaps*** (WG #3) analysis
- ***Current Capabilities & Gaps*** analysis, led by RADM (Ret, USN) Rick Williams; initiated in May 2008
- ***Alternative Counter-M/U-IED Concepts*** (WG #4), led by Chuck Fralick
- Preferred Concepts/Evaluation/Enabling Technologies Briefing to NMWAC – early Dec 08
 - Results of Working Groups 3 and 4
- Final Briefing/Report to NMAWC: Jan-Feb 09

Working Group Summaries

- ***Threat & Domestic M/U-IED Requirements*** (Working Group Two)
 - Assessment of the terrorist threat, M/U-IED weapons, strategy and tactics
 - Risk assessment of each CONUS ports; Long Beach, New York, St Lawrence Seaway)
 - Description of port M/U-IED operational situation (similar/unique features)
 - Notional Counter-M/U-IED operational requirements and tasks
- ***Current Capabilities & Gaps*** (Working Group Three)
 - Provide assessment of conventional/existing USN MCM capabilities and capacities
 - Address top-level requirements from WG 2 and NMAWC/USCG
 - Assess resolution of identified gaps through adaptation of In-service/programmed conventional capabilities and new CONOPS/TTPs
 - Identify, qualify and quantify capabilities gaps that remain
- ***Alternative Counter-M/U-IED Concepts*** (Working Group Four)
 - Identify potential conventional and unconventional alternative M/U-IED technologies, systems and platforms...
 - Effectiveness of selected alternative and unconventional technologies, systems, platforms and CONOPS/TTPs

Undersea Warfare Vehicles Committee

Rich Talipsky, Chairman

Tom Sherman, Deputy Chair

Undersea Warfare Vehicles Committee Report

- Conference agenda
 - Good slate of technical papers (over 30 abstracts submitted)
 - CAPT Siegrist (PMS-403), and Pete Perry (PMS-415) presenters. Brian McKeon (NUWC) will present for CAPT Wears (PMS-404)
- Technical Committee Meeting – Thursday at Lunch
- Technical Committee Liaison
 - Paul Dunn, NAVSEA USW Executive, no longer available
 - Looking for New Navy Liaison

Study Topic

Unmanned Maritime Systems Technology

- Requested by CAPT Siegrist (PMS-403)

- Draft Task Statement:

The Navy is considering an update to the Unmanned Undersea Vehicles Master Plan. In support of this, the Program Manager for Unmanned Maritime Vehicle Systems, CAPT Paul Siegrist, has asked NDIA to **examine whether there are significant advances in the "state of the practice" in UUV technology** areas since the last Master Plan update in 2004.

Specifically, the areas of **vehicle autonomy, high bandwidth communication, electromagnetic sensors, open architecture, and hull materials** might be leverage points for providing capability to the Fleet in a spiral development manner. Spiral development programs rely on the insertion of proven technology from Commercial-Off-The-Shelf (COTS) sources and new emerging technologies as soon as they are ready.

The Navy desires to **define technology advances in the past several years that support a plan to incrementally enhance existing systems** to meet the demands of the Fleet in the quickest and most cost-effective manner.

Aviation USW Committee

Dave Nelson, Chairman

Max Norgart, Deputy Chairman

CAPT Larry Pugh (PMA-264), Liaison

8 September 2008

Aviation USW Committee

- Fall Conference

- *Broad agenda with a good mix of material*
- Session themes or threads:
 - Platform status – both legacy and emerging
 - Active acoustic sensors
 - Distributed multistatic system processing
 - Non-Acoustic and environmental sensing technologies
 - Going to touch on unmanned airborne systems
- Investigate an initiative with our Naval Aviation teammates on current USW training
- UAV community taking on a new demension (BAMS)
- High altitude CONOPS (sensors/weapons)
- TacMobile has become center piece for MPRF comms



C4I & Combat Systems Committee

Mike Tucker, Chairman

Paul Rosbolt, Deputy Chairman

CAPT Charles Davis, Liaison

C4I & Combat Systems Report

- C4I and Combat Systems Committee meeting 8 Sep at the Marriott
- Fall Conference Abstract review in progress
 - 46 Abstracts received
 - 21 selected (9 Govt, 4 Industry, 3 Academia, 5 Lab)
- ASW Common Tactical Picture Study
 - Jim Thompson Study lead
 - ASW CTP Comms brief to the ASW CFT 11 August
 - ASW CTP Comms brief to OPNAV 22 September

C4I & Combat Systems Report

- PEO IWS Architecture Description Document Review
 - CAPT Davis requested C4I & CS committee to conduct a summer study to assess the impact of PEO IWS draft surface ship combat system ADD on USW systems
 - Paul Rosbolt Study Chair. Eric Nelson (IBM)/Bob Zarnich (Metron) Deputy Chairs
 - Initial assessment workshop held 10July to identify issues
 - Briefed to CAPT Davis 15 July
 - Solutions workshop held 15 Aug
 - Draft brief-out at C4I/CS committee meeting 8Sep08

C4I & Combat Systems Report

- Organization Changes
 - Mike Tucker Stepping Down
 - Paul Rosbolt has Agreed to Step up to Committee Chair
 - Bob Zarnich has Agreed to Step up as Deputy Chair

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Publications

Tom Dion, Committee Chair



A Message From The Naval Undersea Warfare Center

RDML PATRICK H. BRADY, USN, COMMANDER, NUWC & DON MCCORMACK, TECHNICAL DIRECTOR, NUWC

Concept Generation and Concept Development: Disciplines for Complex Decision Environments

The Liaison Message in the spring 2007 edition of the NDIA Undersea Warfare Division newsletter addressed the complexity of our operational environment and some of the challenges it imposes as we work to (out) pace potential threats. The fall 2008 conference theme follows that thread and affords us an opportunity to contemplate our approach to this demanding and ever-shifting operational landscape.

The drivers compelling the re-examination of what we should do and how we should do it are many and varied and most of them have been discussed at length. But it is worth reconsidering some of the more pressing issues extant in the increasingly complex USW environment. Dynamic and evolving undersea threats are a prime factor; whether they are ascribed to rogue or failing nations, potential superpowers, or transnational extremists, we constantly worry that emerging or unforeseen threats will render our technology and operational methods obsolete. That fear is partially grounded in the rapid advance and proliferation of sophisticated technology — some of which can be applied in disruptive and destructive ways and may be available in open commercial markets. We must also deal with the tension of competing timeframes of interest; we need to balance what the operational Fleet wants now with what may be required in the out years and prioritize our attention and resources accordingly. Another balancing act is

required in selecting, developing and deploying the right mix of off-board and platform-organic USW capabilities as we consider how our

“...we constantly worry that emerging or unforeseen threats will render our technology and operational methods obsolete.”

assets are going to be employed. Perhaps the greatest overall driver is the increasingly demanding set of resource challenges. Budget turmoil is a fact of life as the

defense burden on the nation is continuously adjusted and pressures on discretionary accounts increase. Supplemental budgets and Congressional earmarks are under intense scrutiny. All of this may impose downward trends in USW investment that will demand greater efficiency and effectiveness in everything we do. Budgetary issues influence the Fleet as well. Fewer ships and smaller crews are being asked to do more with less, operational tempos are high, and multi-mission tasking is common. Finally, we need to be more responsive, agile and innovative to successfully cope with these and other converging factors. We all know that change does not come easily or quickly to many organizations; this inertia must be overcome if we are to deliver the capabilities needed within acceptable cost and schedule parameters.

The potential solution set to this broad set of challenges is unbounded and determining the optimal approach for finding the best answers requires considerable thought. It may not be coincidental that, as you are reading this, an interesting and relevant Navy initiative is underway; at the Chief of Naval Operations'



RDML PATRICK H. BRADY, USN, COMMANDER, NUWC



DON MCCORMACK, TECHNICAL DIRECTOR, NUWC

NUWC LETTER, CONTINUED ON PAGE 9

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Warfare Committee

ational, which have continued to the reluctance of naval leaders to fully in the operational application of mining. WW committee continues to work on Denwater Improvised Explosive Device Study being performed for NPM/AVC. ment study effort is comprised of four groups: One – Strategy Policy and Context; Two – Threat and Domestic Requirements; Three – International Requirements; and Four – U.S. Navy

These working groups are comprised of volunteers from the MWV committee membership and represent a broad spectrum of experience, both on the government side and the industry side. The ultimate goal of the UIED Study as it has become known, is to provide a series of options, both conventional and unconventional, for clearance of US ports and harbors from UIEDs. The Study is chaired by Scott Thayer, executive advisor, National

community having published numerous articles on the impact of UIEDs on the US in prestigious professional journals, such as the USNI Proceedings. The Working Group Two draft report will be released to the UIED Study team before the Clamajou. The final report is scheduled for completion in March 2009.

For the third consecutive year the Mine Warfare committee will be holding a full set of technical presentations at the NLT. In addition to the presentations, there will be a working lunch and committee meeting. All are welcome to the committee meeting to dialogue with fellow members of the community and further discuss the UIED Study Final. I want to thank those in the community who have supported us with your abstracts and your conference participation. You have allowed us to have full technical presentations.

- **Joint NUWC liaison article by RDML Brady and Don McCormick**
- **For future Newsletters will be requesting inputs NLT one month prior to conference to allow timely posting to NDIA Website**
- **Last issue posted www.ndia.org**

more and more countries see the submarine as a strategic asset. The ability of these evolving countries to get a submarine underway and have it in service is a major concern. The US Navy is currently conducting a study of the impact of UIEDs on the US Navy. The study is being conducted by the Mine Warfare Committee. The study will be completed in March 2009. The study will provide a series of options, both conventional and unconventional, for clearance of US ports and harbors from UIEDs. The study is chaired by Scott Thayer, executive advisor, National

NDIA Undersea Warfare Division goal with this year's fall conference is to continue to build on the Navy's achievements. Our theme for the fall plenary is Undersea Warfare Solutions for a Complex Environment. This year's plenary session includes the Director, Naval Reactors, Commander in Chief, Pacific Fleet, Director Navy Intelligence, Commander Navy Mine and ASW Command, Commander Naval Sea Systems Command, leadership from the Program Executive Offices, Submarine Research and Development and Naval Undersea Warfare Center, the Oceanographer and Navigator of the US Navy, Director Submarine Division CNO N-87, Director Warfare Integration and the Commander of Center for Counter Terrorism Operations.

Honorable Mike Vickers, Assistant Secretary of Defense for Special Operations, Low Intensity Conflict and Interdependent Capabilities, will deliver the keynote address. We forward to understanding the challenges that our Navy faces in the undersea domain and identifying how the Navy and industry team can bring us to continue the United States dominance of the undersea environment. August Post, 31 July 2008, Gates Sees Terrorism Recurring Enemy No. 1

<p>Integrated Defense Systems</p> <p>Editorial publications from the NDIA Undersea Warfare Division Newsletter have been paid for by the industry. Integrated Defense Systems.</p>	<p>NDIA HEADQUARTERS</p> <p>Director, Operations C4II, Strait Roadhouse, USN (Ret) mailto:ndia@ndia.org</p> <p>Meeting planners Ken Williams, kenwilliams@ndia.org Angie Chalkins, chalkins@ndia.org Tel: 703.247.2599</p> <p>Please notify Ken or Angie of address changes.</p>	<p>NDIA UWD NEWSLETTER</p> <p>Published periodically to communicate activities and plans. For events or suggestions contact:</p> <p>C4II, Strait Road, USN (Ret), Editor Editorial: Integrated Defense Systems Home: 202.462.9270 Tel: 401.942.5537</p> <p>Editorial Addressed Media Paul Reynolds, Art Director/Str. Graphic Designer paul_reynolds@c4iifwcc.com</p>
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Fall 2008 Awards

Bob Kittredge, Awards Chair

Awards Committee Fall '08 Report

- 7 Bronze Award nominations received
- Awards Committee selected :

Dr. Russell Burkhardt, ARL Penn State

Mr. Kyrill "Cy" Korolenko, NUWC, Newport

Ms. Diane Kosky, NSWC, Panama City

Mr. William Robertson, NAWC, Orlando

Mr. Harold Watt, NUWC, Newport

Fall '08 Awards Report (Cont.)

Soliciting EB/AC Nominations for Spring 2009:

Martell-Bushnell : *ASW / USW Technical Prowess*

- Exceptional contributions in the field of ASW and/or Undersea Warfare technology
- Outstanding achievement(s) in scientific R&D of ASW and/or Undersea Warfare systems:
Dr. Ira Dyer, M.I.T.

Fall '08 Awards Report (cont.)

- Weakley:

Meritorious service or noteworthy contributions to effective Government / Industry communications in the field of USW.

- Ringenberg:

- Outstanding services and noteworthy contributions to the UWD.
- Must serve, or have served, in the NDIA UWD or predecessor organizations

Academic Fellowship

Chuck Zentner, Fellowship Chair

8 September 2008

NDIA USD Fellowship Committee Report

The established NDIA fellowship approach was followed for the 2008-2009 academic year:

- the stipend was established at \$6,000 per year at each university for the 2008-2009 academic year per the Executive Board direction at the 28 April 2008 meeting
- it was agreed at the Fall 2007 NDIA Executive Board meeting that the Fellowship award would be funded with conference fees and the proceeds from the Fellowship fund
- the universities have expressed their appreciation for the generous support of the NDIA
- unfortunately and due to poor market performance, proceeds for the past year have been negative (\$-7,637)

Academic Fellowship Fund Status

- 21 June 2007 \$244,105
- 4 September 2007 \$240,884
- 22 February 2008 \$235,122
- 22 July 2008 \$234,456
- 4 September 2008 \$233,247

- Losses for the period 4 September 2007 to 4 September 2008 are \$7,637
- A 4% return on the 4 Sept amount would yield \$9,330

Current market slump has limited our earnings.

Funding for 2008-2009 Academic Year

- Recommendation - fund the Fellowship as follows:
 - \$9,000 from the Fellowship fund
 - \$9,000 from conference fees

NDIA Fellowship Award Recipients 2008-2009 Academic Year

- The Pennsylvania State University
 - **Cara Hotchkin**; PhD candidate in Ecology; behavioral ecology and bioacoustics of the marine environment
- University of Texas
 - **David Wick**; PhD candidate in Curriculum Studies; development training for ASW active sonar systems in the fleet
- University of Washington
 - **David Dall'Osto**; PhD candidate in Mechanical Engineering; underwater acoustic data analysis

These are excellent students with great academic credentials.

Roundtable Meeting

Mike Sharp
Roundtable Executive

Update

- Thanks for the support of the Summer Roundtable – I thought it went well
- Dates?
- Location?
 - Hawaii (COMPACFLT?)
 - San Diego (NMAWC – Frank Drennan?)
 - DC (PEO LMW – Anne Sandel?)
 - Suggestions received by e-mail
 - RADM (ret) Jerry Ellis



NDIA USW BYLAWS Review

9 September 2008

BYLAWS REVIEW

- Review required by Bylaws every Two Years by Advisor Council
- All changes require concurrence of Both the Executive Board and President of NDIA

Application of Bylaws

- These Bylaws are written to govern the operation and processes of the Undersea Warfare Division (UWD) of the National Defense Industrial Association (NDIA) in support of the Charter. They are **guidelines** to those individuals responsible for oversight of the UWD, whose collective judgment may at times determine a need to act outside the specifics contained herein. Such instances are considered exceptional, and should be decided only after serious deliberation and examination of the decision's impact on the Division's current and future mission.

Exceptions to Bylaws

- **Vice Chair.** The Vice Chair shall be a senior retired Naval officer with extensive background in undersea warfare, appointed by the Division Chair for a term of three (3) years. He/she may serve no more than two consecutive terms, with responsibilities to include: Advise the Chair and Executive Board on military matters. Coordinate visits to navy commands and facilities by the Executive Board. Execute staff functions assigned by the Division Chair.

Exceptions to Bylaws

- Advisory Council. The Advisory Council normally consists of twenty (20) members including a Chair, all elected by the UWD Executive Board to serve three-year terms. Companies may have no more than one member on the Council without approval of the Executive Board. Members may serve up to two consecutive terms.
- Many senior individuals play an extended role in our shrinking USW community
 - Recommend we continue to operate with the exception and not adjust the Bylaws

Exceptions to Bylaws

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Companies may have no more than one member on the Council without approval of the Executive Board. Members may serve up to two consecutive terms.
- One member per company rule written before the downsizing and merging of companies.
 - Multiple division consideration
 - Operate as exception or delete
- Recommend we continue to operate with current practice as an exception without adjustment to Bylaws

Biennial Report

- The Deputy Chair will cause a Report of UWD Activity to be prepared every two years for delivery to the Secretary of the Navy.
- The Report shall include a forwarding letter of endorsement from the President, NDIA
 - “an introductory statement by the Division Chair; a summary of each approved UWD study completed for the Navy sponsor during the period of the Report, and other topics as deemed appropriate by the Division Chair. ”

Historical view of Biennial Report

- Right of passage for the Deputy Chairman to show leadership and ability to represent Committee to DOD and Navy senior leadership
- Opportunity to address serious issues and reach a high level
 - NDIA Leadership often take on issues raised by USW Committee
 - Operate as exception or charge Deputy to rapidly plan for next report to be delivered in late February/March 2009

Liaison with other NDIA Divisions

- Because undersea warfare encompasses many different military functions and technologies, it is essential that close liaison be maintained with other appropriate NDIA Divisions or their committees to eliminate duplication of effort and coverage.
- The following Divisions are worthy of contact and coordination as appropriate:
 - 1. C4ISR Division
 - 2. SLAAD Division
 - 3. Systems Engineering
 - 4. Test and Evaluation Division
- Recommend we add Expeditionary Warfare Division to list to capture Mine and MCM activities and common sensors, TDAs, etc..

Summary

- No action required
- We are operating with permissible exceptions
- Need to consider short and long term impact of formal changes
- Recommend we not update at this time.