

# American Society of Naval Engineers

Naval Science & Technology Expo / Combat Systems / Technology, Systems & Ships Symposium 2024

*Employing and Sustaining Naval Weapons to Win  
Meeting the Demand Signal – More Players on the Field  
December 9–12, 2024*

George Mason University Van Metre Hall, Arlington, VA

The Office of Naval Research is supporting the 2024 Combat Systems Symposium and Technology, Systems & Ships Symposium with a Naval Science & Technology Expo over the December 9--12, 2024 timeframe.

In recent years, ASNE Combat System Symposia have focused on Digital Engineering concepts and their impact on Combat Systems as well as reflected on the Secretary of the Navy's Strategic Objectives of how we go about expanding our forward presence, enhancing our warfighting readiness, and innovating and modernizing our combat system capability. Given real world operations and conflicts in both Eastern Europe and the Middle East, ASNE Combat Systems Symposium 2024 will delve into our offensive and defensive weapons that have been used or may be called into service, tactics used to employ those weapons, and how we maintain and sustain those weapons to ensure they are available when needed. The Symposium will also look at future weapon capabilities, from both the benefits and challenges perspective.

The Technology, Systems & Ships Symposium will focus on 'meeting the demand signal' with Technology, Systems & Ships. As the CNO has stated "...our Sailors must be the best warfighters in the world with the best systems, weapons, and platforms to ensure we can defeat our adversaries. We will put 'more players on the field' -- platforms that are ready with the right capabilities, weapons and sustainment, and people who are ready with the right skills, tools, training, and mindset."

## Agenda:

### Day One, Monday, 9 December 2024

0815 – 0830:

Welcome & Kickoff: Mr. Dale Lumme (ASNE Executive Director), Mr. Joe Johnson (ASNE CSS Committee Chairman)

0830 – 0930:

Keynote Opening Address: RADM Kurt Rothenhaus, USN (Chief of Naval Research (CNR))

0930 – 1100:

ONR S&T / CSS Panel 1: Offensive and Defensive Weapons for Today and the Future: Moderator: RDML Tom Dickinson, USN (Program Executive Office, Integrated Warfare Systems (PEO IWS)). Panelists: IWS 3.0, IWS 11.0, IWS 12.0; PMA 280

1100 – 1115: Network

1115 – 1200: Presentation: Rapid Capability Update: Getting Innovation to Sea. Mr. James Juster (PEO IWS)

1200: Lunch

1245 – 1345: Keynote Speaker: Weapons to Win. VADM Scott Pappano, USN (Principal Military Deputy ASN(RDA))

1345 – 1400: Network/Snacks

1400 – 1530:

ONR S&T / CSS Panel 2:

Autonomous Weapons: From the Sea and Air.

Moderator: RDML Kevin Smith, USN (Program Executive Office, Unmanned and Small Combatants); Panelist: Unmanned and Aviation and Strike Weapons (PEO (U&W); PMS 406; NSWC PC; NSWC DD (TD));

1530 – 1630: Keynote Speaker: The Honorable Carlos Del Toro (Secretary of the Navy)

1630: Day One Wrap & Preview of Day Two: ASNE CSS Committee

**ONR S&T / CSS**  
**Day Two, Tuesday, 10 December 2024**

0800:

**Recap Day One:** Mr. Joe Johnson (ASNE CSS Committee Chairman)

0815 – 0900: \_

**Keynote Speaker:** RADM Paul Schlise (Director, Integrated Warfare, N9I, Office of the Chief of Naval Operations)

0900 – 1015:

**ONR S&T / CSS Panel 3:** Office of Naval Research, Science & Technology Panel. Panelists: TBD

1015 – 1030: **Network**

1030 – 1145:

**ONR S&T / CSS Panel 4:** Enhancing Readiness and Sustainment of Naval Weapons.

**Moderator:**

Mr. Howard Berkof, SES (PEO IWS D)

**Panelists:**

CAPT John Bowman, USN, PEO IWS 1F; CAPT Andrew Hoffman, USN, PEO IWS 80F; CAPT Jesse Mink, USN, PEO IWS 2.0;  
Mr. Robert Stukes, PEO IWS Logistics; CAPT Michael Ladner, USN (Ret), Deputy Technical Director NSWC PHD [SA: USN]

1145 – 1230:

**Speaker:** RDML D. Wilson Marks, USN (Commander, Naval Surface and Mine Warfighting Development Center (SMWDC)).  
Achieving Tactical Excellence by Design

1230 – 1330: **Lunch**

1330 – 1430:

**Presentation:** The Case and the Challenges of Directed Energy Weapons. Presenter: [USN Laser Expert]

1430 – 1500: **Network/Snacks**

1500 – 1630:

**ONR S&T / CSS Panel 5:** Multi-pronged Terminal Defense. Moderator: RDML Tom Druggan, USN (Ret) {Confirmed}; NSWC DD (CO), SMEs on: Soft-kill; Decoys; Hi-velocity Projectiles; Lasers; etc. [SA: USN]

1630: **Day Wrap-up:** ONR / CSS Planning Committee

1645: **Reception:** ASNE Flagship Section

**ONR S&T / TSS**  
**Day Three, Wednesday, 11 December 2024**

**\*\*0900--1700\*\*:**

**\*\*Intro to Combat Systems Engineering Course held at GMU [concurrently] requires separate registration.**

**0815 – 0830:**

**Welcome & Kickoff:**

**CAPT. Dale Lumme, USN (Ret.) (ASNE Executive Director),  
CAPT Rick White, USN (Ret.) (ASNE TSS Committee Chairman)  
VADM David Lewis, USN (Ret.), ASNE President**

**0830 – 0930:**

**Keynote Opening Address:**

**The Honorable Mr. Nickolas Guertin, Assistant Secretary of the Navy, Research, Development and Acquisition.**

**0930-0945:**

**ASNE Awards Ceremony: Clifford G. Geiger Award**

**0945—1000: Break / Snacks**

**1000—1130:**

**ONR S&T / TSS Panel 1: Office of Naval Research Codes Panel Discussion**

**1130-1230: Lunch**

**1230-1400: ONR S&T / TSS Panel 2: PEO (SHIPS)**

**1400--1415: Break / Snacks**

**1415—1530: ONR S&T / TSS Panel Session 3 (PEO USC)**

**1530 – 1645: ONR S&T/TSS Panel Session 4. Other Transaction Authority (OTA): MSTIC and NSTIC;  
Mr William Deligne, SES (Ret.) and RADM Thomas Kearney (Ret.)**

**ONR S&T / TSS**  
**Day 4, Thursday, 12 December 2024**

**0800 – 0815:**

**Welcome & Kickoff:**

**CAPT Rick White, USN (Ret.) (ASNE TSS Committee Chairman)**

**VADM David Lewis, USN (Ret.), ASNE President**

**0815 – 0930:**

**Technical Paper Presentations**

**0930-0945:**

**ASNE Awards Ceremony: “Jimmie Hamilton Award**

**0945—1015: ONR S&T / TSS Panel Session 5 (PEO CV)**

**1015—1030: Break / Snacks**

**1030—1200 ONR S&T / TSS Panel Session 6 (NSWC Dahlgren (Technical Director, Dale Sisson)**

**ONR S&T / CSS Panel 6: Building the Maritime Industrial Base: Mr. Jay Stefany); Panelists: TBD**

**1200-1300: Lunch**

**1300-1430: ONR S&T / TSS Panel 7: Building the Maritime Industrial Base: Mr. Jay Stefany); Panelists: TBD**

**1430-1445: Break / Snacks**

**1445- 1615: Parallel Professional Development Panels:**

**Young Professionals A (Government) and Young Professionals B (Industry)/Gen Z**

**1615—1630: ONR S&T / TSS Wrap-up: ONR / TSS Planning Committee**