

TIDEWATER TIMES

AMERICAN SOCIETY OF NAVAL ENGINEERS TIDEWATER SECTION



APRIL 2023 NEWSLETTER

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CHAIR'S LETTER TO THE MEMBERSHIP

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Greetings Tidewater Members and Friends,

It's been a great year so far and I'm surprised at how fast it's gone by. Spring is in the air and there are only a few months left of the Section year.

We had an exciting update from **Captain Jennifer Stockwell**, Commander Sector Virginia, USCG and Captain of the Port, at our March dinner meeting. There are a lot of exciting new USCG ships and boats on the horizon. If you missed this one, be sure to check out her brief on our website! We are looking forward to getting the latest news on our Submarine Forces as we welcome Dr. Martin Irvine, Jr, Executive Director, US Navy Submarine Forces to our April 19th Dinner meeting.

Spring also means it's time for elections. Election Ballots for the new section year (July 2022 to June 2023) have been distributed. Check your email for your ASNE TW ballot and vote today!

Summer will soon be here, and that means our annual Ultimate Build-A-Boat Challenge will be showcased **June 10-11, 2023**, as part of Harbor Fest. This will be the 27th Anniversary of this great event! **Check out this [Build-A-Boat Presentation](#) and [Race Day Video](#) from 2022 and plan to join the fun!**

Our Planning Committees are in full swing in preparation for two Symposia scheduled in Tidewater in June (MegaRust June 13-15 and MACC June 27-29). If you are interested in volunteering, let us know and we will put you to work! Do not be afraid to step up and get involved. We are looking to grow and would love you to be part of the team.

I want to spend a few minutes talking about membership. At the last Council Meeting the total membership for the Society nationwide was down 127 members from this time last year. That represents approximately a 6% reduction in membership. Here in the Tidewater Section, we saw similar results – reporting a net loss of 21 members from last year. Membership is the key to the success of our Section and the health of the Society as a whole. We need all hands on deck to turn this around – now is the time to reach out to your colleagues and encourage them to join or renew their membership in the Society. Please check out the updated membership pricing and recently added digital membership – there is something for everyone. Please pass the word - [Join ASNE Today!](#)

We are all members of the Membership committee when it comes to inviting our fellow Naval Engineer and Maritime professionals to join ASNE. And don't forget – we still have some “free” student memberships available. Let's keep it going! Introduce your fellow Naval Engineers and Maintenance professionals to ASNE. Thank you again for all you do to support our Section!

Renée Reedy
ASNE TW Section Chair
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ASNE TW APRIL DINNER/ MEETING PROGRAM

The ASNE Tidewater Section will hold the next dinner/meeting program on **April 19, 2023**. Our guest speaker is **Dr. Martin Irvine, Jr., Executive Director, Commander, Submarine Forces**. We look forward to seeing you!

Place: Holiday Inn Virginia Beach-Norfolk at 5655 Greenwich Road, Virginia Beach
Time: 5:30-6:00pm Cocktails and Networking; 6:00-8:00pm Dinner and Program
Cost:

- Members: \$33 in advance / \$35 at the door
- Non-members: \$38 in advance / \$40 at the door

- Military: \$20 in advance / \$25 at the door
- Students: \$10 in advance / \$15 at the door

Please register on our [website](#) by **noon Monday April 17**.

Dr. Martin Irvine, Jr. serves as the Executive Director, Submarine Forces, where he is the principal advisor to the Submarine Force Commander on all matters relating to Strategic Deterrence and Undersea Warfare programs and requirements. His responsibilities include the prioritization of future Submarine Force capabilities and the development of strategy, undersea technology adoption and the implementation of unmanned systems in the undersea.

Prior to assuming his current position, Dr. Irvine was the Technical Director of the Naval Undersea Warfare Center (NUWC) Division, Keyport in Keyport, Washington. His duties included the oversight of Research, Development, Test & Evaluation (RDT&E), in-service engineering, maintenance and repair, fleet support and industrial base support for undersea warfare systems, countermeasures, and sonar systems. He directed NUWC Division, Keyport operations at a number of remote facilities located throughout the United States and overseas. Dr. Irvine was selected for appointment into the Senior Executive Service in July 2019. He has 23 years of experience as a civil servant for the U.S. Navy.

Dr. Irvine was a Senior Scientific Technical Manager (SSTM) and the head of the Readiness & Training Systems Department for the Naval Surface Warfare Center Dahlgren Division Dam Neck in Virginia Beach, Virginia from 2014 to 2019.

Dr. Irvine led a \$300M organization of 600 personnel supporting U.S. Navy combat systems, integrated training systems, cybersecurity, rapid prototyping, and systems safety engineering. From 2016 to 2018, Dr. Irvine served a two-year assignment as the SSTM Director of Systems Engineering, Office of the Deputy Assistant Secretary of the Navy for RDT&E. In this role, he developed and implemented appropriate technical standards and policies to direct systems engineering functions for naval acquisition.

From 2011 to 2014, Dr. Irvine held two Office of Naval Research Science Advisor positions. The first was for Commander of Navy Expeditionary Combat Command (COMNECC) in Virginia Beach, Virginia from 2011-2013, and then from 2013-2014 for Commander, Submarine Forces (COMSUBFOR) in Norfolk, Virginia. In these positions, he served as the Commander's advisor on Science & Technology, as well as acting as the Chief of Naval Research's liaison between the research enterprise and the Fleet.

From 2006 to 2007, Dr. Irvine served as research faculty at the Applied Research Laboratory at Penn State University in State College, Pennsylvania. Dr. Irvine's research focused on fluid dynamics for undersea warfare applications. He was a member of the Civil Engineering Department Graduate Faculty.

Dr. Irvine started his career in 1997 at the Naval Surface Warfare Center Carderock Division in West Bethesda, Maryland. From 1997 to 2006 and from 2007 to 2011, Dr. Irvine served as Division Head, Hydrodynamics Subject Matter Expert, and Research Engineer for research, experimentation, computational simulations, design, and acquisition for Navy ships and submarines, combatant craft and advanced hull forms.

Dr. Irvine has a Doctor of Philosophy in Mechanical Engineering from the University of Iowa, as well as a Bachelor of Science and a Master of Science in Ocean Engineering from Virginia Tech. He is a graduate of the Harvard Kennedy School of Government Senior Executive Fellows Program. He holds Defense Acquisition Workforce Improvement Act certifications in four career fields and is a member of the Defense Acquisition Corps.

Dr. Irvine has received many awards for his performance including the Navy Meritorious Civilian Service Award for his service to COMNECC in 2014 and the 2015 Warfare Center Collaboration Award for service as a member of the cross-warfare center Unmanned Vehicles and Autonomous Systems Working Group.





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ASNE TW MARCH DINNER/MEETING HIGHLIGHTS

On March 15th, the ASNE Tidewater Section was privileged to have Virginia USCG Sector Commander **CAPT Jennifer Stockwell** join us for the monthly dinner.

CAPT Stockwell addressed her authorities and responsibilities as the Captain of the Port and as Sector Commander, and highlighted her priorities and biggest challenges.

Additionally, **CDR Jeff Zamarin**, USCG, who came with CAPT Stockwell, was able to provide details behind the engineering challenges that the USCG Virginia sector had to overcome and provided an overview of the USCG's newest shipbuilding plan.



FUTURE DINNER/MEETING PROGRAM DATES	
APRIL 19	2023
MAY 17	2023



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VOTE FOR ASNE TW ELECTED MEMBERS

ASNE Tidewater,

The Tidewater Section of the American Society of Naval Engineers is proud to present the ballot for the elected positions for the section year 2023/2024.

Voting for the three positions below is open and will run through 30 April. Announcements will be made in May 2023.

The **Vice Chair** position will be effective on 1 July 2023 and go to 30 June 2024. There is one name on the ballot, and one write in. Please vote for one.

The **Secretary** position will be effective on 1 July 2023 and go to 30 June 2024. There is one name on the ballot, and one write in. Please vote for one.

The **Treasurer** position will be effective on 1 July 2023 and go to 30 June 2024. There is one name on the ballot, and one write in. Please vote for one.

Please check your email inbox (or Spam folder) for the email prompting you to vote. The link is unique to each ASNE member. Here is what the ballot looks like:

2023 ASNE Tidewater Section Ballot

Thank you for participating in the ASNE Tidewater Section Executive Board Election. To read a brief biography and statement from each candidate, please click on the candidate's name or visit <https://www.navalengineers.org/2023-TWCandidateStatements>. If you have questions or concerns with the voting process, please contact asnehq@navalengineers.org.

1. Tidewater Section Vice Chairman - serves 1 year and then serves as Chair

- Mr. Kenneth (Ken) E. Blair, PMP
- Other:

2. Tidewater Section Secretary - 1 year term (please select 1)

- Mr. Neil St. Clair
- Other:

3. Tidewater Section Treasurer-1 year term (please select 1)

- Mr. Charles Doty
- Other:

SUBMIT SURVEY NOW





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2023 HAMPTON ROADS MATE ROV COMPETITION

We want to inform our ASNE TW members to SAVE THE DATE for the 2023 Hampton Roads Marine Advanced Technology Education (MATE) Remotely Operated Vehicle (ROV) competition.

More information will follow, but here is some information from our ODU contacts:

Date: **12th-13th May 2023**

Where: **ODU Campus Pool**

POCs: **Jessica Johnson**, j17johnso@odu.edu

Jennifer Renne, jrenne@odu.edu

“The MATE ROV Competition is an underwater robotics challenge that engages a global community of learners each year. This year, the MATE ROV Competition is highlighting the United Nations Decade of Ocean Science for Sustainable Development and inspiring our global community to embrace environmental, social, and governance (ESG) efforts to create a sustainable future on our ocean planet. The competition is challenging its community to design and build an ROV and the necessary sensors and tooling to support work to combat climate change, provide clean energy, feed our growing global population, monitor ocean health, preserve our maritime history, and ‘deliver, together, the ocean we need for the future we want!’”

The event coordinators will be reaching out to industry and partners in the new year. They will be looking for volunteers (adults and students) and sponsorship (specifically industry sponsorship). They would like ASNE members to share their [website](#) information with the companies they own or work for.

Benefits to consider:

- An opportunity to connect with the future workforce.
- A venue for outreach by industry.

“MATE's mission is to inspire and challenge students to learn and creatively apply science, technology, engineering, and math to solving real-world problems in a way that strengthens critical thinking, collaboration, entrepreneurship, and innovation.”





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INTELLIGENT SHIPS SYMPOSIUM



[Register Now and save!](#)

Intelligent Ships Symposium is coming to the Delta Hotel in Philadelphia, PA this May 1-3, 2023! Join us for this excellent networking and technical event.

The Intelligent Ships Symposium is a biennial naval engineering conference that offers technical presentations, expert panels, and great events for our community of professionals.

The emphasis of this year's symposium will be on recent advances in Intelligent Systems and the challenges that lie ahead for the next generation of Intelligent ships.

Many unique opportunities are available to market and showcase your company. Become a sponsor of Intelligent Systems Symposium today!

Please email: Sponsorships@NavalEngineers.org or call (703)836-6727 to discuss the best opportunity to market your organization.

[Register Now and save!](#)

Early Bird discounts for MegaRust, MACC & FMMS will also save you hundreds of dollars!



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MEGARUST 2023



ASNE is hosting MegaRust at the Hampton Roads Convention Center June 13-15, 2023, and the Call for Papers is officially open!

MegaRust is conducted annually to provide a consolidated focus on Navy corrosion issues. Corrosion is a major factor in the readiness and total ownership cost of naval systems and this conference is intended to provide updated information on programs, policies, standards and Fleet experience related to corrosion and to promote discussion and sharing of information on technologies and strategies for controlling corrosion.

Submissions of both presentations and technical papers are welcomed. Presentations are sought that will provide participants the latest information and status of corrosion control programs and efforts, implementation of recently approved processes, tools and materials, best practices and lessons learned, and unmet needs looking for near term solutions. The goal is to assist those responsible for corrosion control by providing new, affordable products, processes, and solutions.

Important Dates:

- **May 5, 2023** - Draft Papers/Presentations Due
- **May 23, 2023** - Final Presentations Due

For more information, submission guidelines or to submit an abstract, please visit:

<https://www.navalengineers.org/Symposia/MR2023>



American Society of Naval Engineers Tidewater Section

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ASNE-SIKA ULTIMATE BUILD-A-BOAT CHALLENGE 2023!

Boatbuilders and Sponsors,

June 10-11, 2023... Less than four months remain until the **2023 ASNE-Sika Ultimate Build-A-Boat Challenge** (aka: "Quick-n-Dirty Boatbuilding")... time for the ASNE team to start planning, and to ask past Builders and Sponsors to give me an initial indication whether you plan to participate this year.



In 2022 we returned after a 2-year pandemic hiatus and we have commitments from our partners at Sika Corp and Norfolk Harborfest that we're on and ready to roll. Harborfest® is America's largest, longest-running, free maritime festival! For the schedule of Harborfest events, including live concerts, fireworks and demonstrations go to <https://festevents.org>.

Here's my request...

1. **BUILDERS / TEAMS:** Let me know if you're interested in fielding a team this year. Just a simple email at this time. Once you have a team-mate and you're ready to commit, send me the Team Entry Form part of the application linked on the Event page of our [website](#). This will secure your spot. You can defer submitting the design portion of your application until the June 1st due date.
2. **NOTE:** The event is limited to just 25 teams. Register early please.
3. **VOLUNTEERS:** "Many hands make for easy work". As we get within a month I'll be asking for help.

SPONSORS... Here is a [LINK](#) to our website where you can register your sponsorship or download a copy of the Sponsorship & Donation Form and submit to me. This is a **Low Cost - High Impact** sponsorship opportunity, supporting a no-stress, fun and festive event designed to showcase naval engineering, shipbuilding, and ship repair professionals and our region's rich maritime heritage to the general public. It also supports a great cause. Once we cover costs for construction materials and such, 100% of net proceeds directly fund ASNE mission areas such as Engineering Scholarships, STEM grants and professional development programs. Our goal for this year is \$10,000 Net towards these mission areas.

DID YOU KNOW...

Our local Tidewater Section of ASNE funds four \$4,000 engineering scholarships and ten \$500 STEM grants annually in recent years. Yes, that's \$21,000 per year towards inspiring and supporting the next generation of engineering and technical professionals.

Nationally, ASNE funds 15-20 graduate and undergraduate engineering scholarships every year!

On the Ultimate Build-A-Boat Challenge event [webpage](#), you can view a presentation and video of last year's event. We hope you will come join the fun!

I look forward to hearing from you soon.
Paddle On// Mike.

Mike D'Amato

Coordinator, ASNE-Sika Ultimate Build-A-Boat Challenge
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American Society of Naval Engineers Tidewater Section

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MACC IS COMING TO PORTSMOUTH!

Multi-Agency Craft Conference **MACC**

June 27-29, 2023 ★ Portsmouth, VA

Anchor down with ASNE at MACC!

Join us **June 27-29** in Portsmouth, VA to experience cutting-edge craft in the in-water demos as well as a thoughtful exchange of operational and technical information on small boats and craft. This conference always brings together a wonderful cross section from government agencies, universities, corporations, and the entire maritime community.

Plus! See the 25 university-built craft race in the five-mile Promoting Electric Propulsion competition in the Elizabeth River. Cheer on your alma mater! See [page 13](#) for more details!

Sponsor, exhibitor and attendee registration is now open! Early Bird registration rates sail away quickly, so register today!

Current ASNE Corporate Support members receive priority Exhibitor / In-Water Demo location selection, and significantly discounted rates for exhibiting and sponsoring at MACC!

For all MACC details and registration, please visit our website:

<http://www.navalengineers.org/Symposia/MACC2023>

Interested in sponsorship or exhibit opportunities? Email sponsorships@navalengineers.org



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ASNE PROMOTES THE NEXT GENERATION OF STEM LEADERS



ASNE is excited to share the Office of Naval Research's strong support for the Promoting Electric Propulsion competition through 2025. This investment gives us the opportunity to visit the dozens of universities and hundreds of student engineers participating in the program.

The heart of the competition is a five-mile race each summer; this year's competition is at the **Multi-Agency Craft Conference (MACC)** in Portsmouth, VA on **June 27-28**.

We encourage you to join us during our exciting pre-competition outreach! You can see us at the Sea-Air-Space STEM Day (April 2), ODU's Maritime Symposium (April 12), and many local events listed on the [PEP homepage](#).

If you are looking to hire these students or wish to support these universities, there are event-day sponsorships listed on the [MACC page](#).

If you or your organization would like to support this program directly, you can email us at education@navalengineers.org and we will tailor a package that strengthens your organization and our naval engineering industry.

Again, thanks to ONR for ensuring this program continues to improve the naval engineering pipeline. We are excited about Promoting Electric Propulsion!

