

TIDEWATER TIMES

AMERICAN SOCIETY OF NAVAL ENGINEERS TIDEWATER SECTION



JUNE 2021 NEWSLETTER

ASNE TIDEWATER “QUICK LOOK”

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Notices of any ASNE TW canceled or rescheduled events will be posted to our [website](#).





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CHAIR'S LETTER TO THE MEMBERSHIP

SECTION OFFICERS

Chair: Andy Vasquez
434-8223 // mightymo5@verizon.net

Vice Chair: Vincent Janowiak
534-1904 // vincent.janowiak@hii-tds.com

Secretary: Andi McCusker
630-4173 // amccusker@fairleadint.com

Acting Treasurer: Guy Zanti
438-6694 // gzanti@warrenenviro.com

SECTION COMMITTEES

Arrangements & Newsletter: David Jarvis
636-1661 // djjarvis79@gmail.com

FMMS 2020: Charlie Pfeifer
424-2013 // charlie@cpgfam.net

FMMS 2020: Jessica Galassie
(Section Councilor 2019)
(609) 668-1797 // galassie@gmail.com

MegaRust: Dave Zilber
(Section Councilor 2018)
266-2193 // djzilber@gmail.com

Membership Chair: LaRue Dickinson
969-0770 // ldickinson@aerrotek.com

Newsletter: Andi McCusker
630-4173 // amccusker@fairleadint.com

Programs Co-Chair: Mike D'Amato
226-1114 // michael.damato@hii-tds.com

Programs Co-Chair: Vince Janowiak
534-1904 // vincent.janowiak@hii-tds.com

Social Media: Pam Schools
(Section Councilor 2020)
572-7839 // pamgschools@gmail.com

Web Master: Lon Scofield
635-3613 // scofvb@verizon.net

(Area code 757 unless specified)

Greetings Naval Engineering Professionals and Friends,

WOW, can you believe it? We are finally starting to get back to somewhat of a NORMAL routine. Yea! Although our season is coming to an end, we had a wonderful final dinner program with **Vice Admiral Galinis** as our guest speaker. Of course, he was outstanding. Unfortunately, I was in Manama, Bahrain at the time, but my teammates and I were able to chime in virtually...in fact, we made history in that we attended the entire meeting at 0200 in the morning. There was no way I would miss the last meeting!

I want to thank the ASNE Tidewater staff for doing an excellent job in my absence, especially Vice Chair **Vincent Janowiak**. Thanks Vince. I know as he steps up to Chair, the Section will be in good hands. To the rest of the ASNE Tidewater staff, thank you for your dynamic support in making all of the events run so smooth. A tremendous amount of work goes into putting all the events together, and it ends up perfect thanks to their hard work. THANK YOU.

We are ending the season with an ASNE Social which will be held 16 June at Topgolf here in Virginia Beach. At the event we will take time to recognize some of our great accomplishments and those who made it happen. We will also welcome in the new officers for the 2021-2022 year. The year has been challenging, but we adapted and continued to move ahead at flank speed, keeping turns on the screws as all great engineers do.

Our upcoming schedule is looking good. We have the Multi-Agency Craft Conference (MACC) coming up in July at the USCG Yard in Baltimore, MegaRust 2021 coming up in September at the Hampton Convention Center, and FMMS 2021 in San Diego in October.

In my final comments as Chair, I want to thank the staff at ASNE headquarters, **Mr. Dale Lumme, Ms. Madeline Foresman, Ms. Nancy Lackey, Mr. Robert Hand**, and our President **Admiral Mark Hugel**. This team's unwavering and steadfast leadership guided our Sections to new heights and made it all flow this past year, even though we were in uncharted waters. I look forward to continuing to work with all of you in the future.

Be safe and have a fantastic month, and a great summer.

Andy

Andy Vasquez
ASNE TW Section Chair
ASNE.Tidewater.social@gmail.com



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ASNE TW SOCIAL - TOPGOLF!

The ASNE Tidewater Section is hosting a social event at the fabulous **Topgolf Virginia Beach!** Here are the details:

Location:	<u>5444 Greenwich Road, Virginia Beach</u>
Date:	Wednesday, June 16
Time:	5:30 to 7:30 pm
Cost:	\$30.00 per person (Students \$15.00)

Price includes a light buffet and 2 hours of golf. Come play golf, mingle and have a great time!

Please register on our [website](#) by **noon June 9**. Hope to see you there!





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ASNE TW'S MAY DINNER/MEETING PROGRAM RECAP

The Tidewater Section was so pleased to host another *live* and virtual dinner event in May. After a year of cancellations and virtual forums, yes, it felt as fresh and welcoming as Spring.

In early May restrictions were relaxed again to a maximum of 100 indoors, and on May 19th VADM Bill Galinis (NAVSEA) spoke to an audience of 60 in-person plus 38 virtual guests from as far away as Bahrain.

Thank you ASNE members for your patience and flexibility during this pandemic, and to Admiral Galinis for helping us close out our Fall – Spring program year in high style.





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ASNE TW ODU CHAPTER UPDATE

The ASNE Tidewater ODU Student Chapter was featured in the Virginia Digital Shipbuilding Program's Spring Newsletter. The publication highlighted the ODU group's tour of Fairlead as well as their most recent tour of the Virginia Modeling, Analysis & Simulation Center (VMASC).

Fairlead Integrated Tour

Several students from the ODU American Society of Naval Engineers (ASNE) chapter were able to visit and learn about Fairlead, an east coast marine vessel repair facility.

The visit, set up by Digital Shipbuilding, consisted of a presentation, tour of their 650 Chautauqua Ave. facility where they do electrical panel outfitting, and fabrication and machining, followed by a tour of their newly acquired Wavy Street location, which is dedicated to military work and service for commercial vessels.

The ODU students were all mechanical engineering majors, so they were able to hear and see first-hand how mechanical and electrical engineers work together at Fairlead to ensure a working product that meets all the military standards such as shock and vibration testing.



"This was my first tour of a shipyard, so I found the entire experience to be very enlightening. The breakdown of how the company goes about acquiring and fulfilling contracts was my favorite. Making promises of expectations you have not yet met; it really brings the pressure to find a way to meet the goals," said Neil St. Clair, a Mechanical Engineering Technology undergraduate student.

ODU VMASC Tour

Students from the ODU ASNE Chapter visited the Virginia Modeling, Analysis & Simulation Center's Simulation Experience and Analysis (SEA) lab and the Digital Shipbuilding Innovation Lab.

It was wonderful to have the students visit and experience some of the amazing facets the labs have to offer such as 3D design, Virtual Reality and Flight Simulation.



"It was great to host the ASNE ODU Student Chapter at VMASC. The Shipbuilding and Ship Repair Industry is a key national strategic need to not only protect our country but support a robust economy. It is crucial we attract young, talented professionals like the students in the ASNE ODU Student Chapter to carry the torch to ensure a rich and strong American Maritime Industry," said Joseph Kosteezko, Assistant Director of Digital Shipbuilding. "We are looking forward to seeing these students creating innovation to build and maintain the future of our ships and infrastructure of our great nation."

The Chapter is now focused on completing the PEP project they began before the pandemic in 2020. Promoting Electric Propulsion (PEP) for Small Craft is an ASNE-sponsored educational and competitive program to foster the development of electric boats in the U.S. The team's initial plan was to design and build an electric boat, but due to the COVID-19 disruptions, the team decided to focus more on simulation and design. The next group of students in 2021 would build a physical version of the design and bring it to the PEP competition.

The PEP competition will be held at ASNE's Multi-Agency Craft Conference (MACC) in July at the USCG Yard in Baltimore. Qualifying vessels for the competition are any manned or unmanned vessel operating with an electric propulsion system. Each boat is tasked with completing 5 laps (<1 mile per lap) defined by buoys in Curtis Bay, and operate at an ideal top speed of twenty-five miles per hour.

You can view the ASNE ODU PEP 2020 Team's Senior Design Presentation on [YouTube](#). They put a lot of work into the project and hope to see it to fruition and compete at MACC this summer.





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FMMS 2021 CALL FOR PAPERS!



The San Diego Section of the American Society of Naval Engineers (ASNE) invites you to:

Fleet Maintenance & Modernization Symposium 2021:

Improving Fleet Readiness through Sustainment, Technology and Self-Sufficiency

San Diego Convention Center, San Diego, California

October 17-19, 2021

ABSTRACTS DUE: July 1, 2021

Suggested Topic Areas:

- Effective availability planning and execution to meet on-time commitments
- Integrating modernization into opportunities across the OFRP
- Planning and provisioning to support the integration of life cycle maintenance across the entire OFRP
- Long term solutions for logistic planning and procurement tied into life cycle maintenance
- Maintenance infrastructure support for future ship classes
- Innovations in maintenance training for sailors
- Contracting strategies that yield improved readiness
- Modernizing for Energy Reduction
- Novel approaches to deployed continuous maintenance employment in the era of operational unpredictability
- Modifying equipment inspection and maintenance requirements to support the 36-month operational cycle
- Predicting cost implications of increased operational cycles
- Employing Model Based System Engineering and Architecture to support Modernization and Sustainment
- Innovative methodologies for developing the network, infrastructure, data architecture, tools, and analytics to support the future operational environment
- Tools and methodologies to accelerate the delivery of innovative concepts and capabilities to the fleet

Submit a one page abstract or proposed outline as directed below prior to July 1, 2021. **The submission should include:**

- Proposed Title
- Author (s)' name (s) and organization (s)
- Primary Point of Contact, mailing address, phone number, fax number, and e-mail address
- 1 page description which includes a problem statement or introduction, an outline of the key points to be made in the paper, and conclusions or recommendations that the paper will address.

All questions should be sent to FMMS 2021 Technical Papers Chair:

Thomas Hekman at thekman@san.nv.navy.mil

Abstract submissions should be sent to fmms@navalengineers.org

Abstracts Due: July 1, 2021
Paper Selection and Notification: July 16, 2021
First Drafts of Papers Due: August 7, 2021
First Draft Review Complete: August 23, 2021
Final Drafts of Papers Due: September 15, 2021



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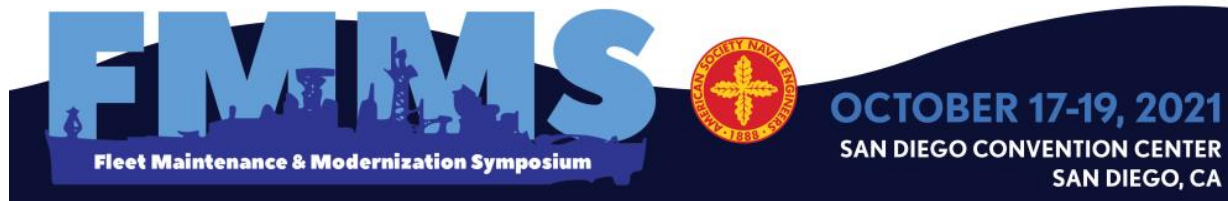
ASNE NATIONAL - UPCOMING 2021 EVENTS



July 21-22, 2021
United States Coast Guard Yard on Curtis Bay in Baltimore, MD
Click [here](#) for more details!



September 21-23, 2021
Hampton Roads Convention Center, Hampton, Virginia
Call for Papers Friday, June 25, 2021
Click [here](#) for more details!



October 17-19, 2021
San Diego Convention Center
Call for Papers OPEN
Click [here](#) for more details!