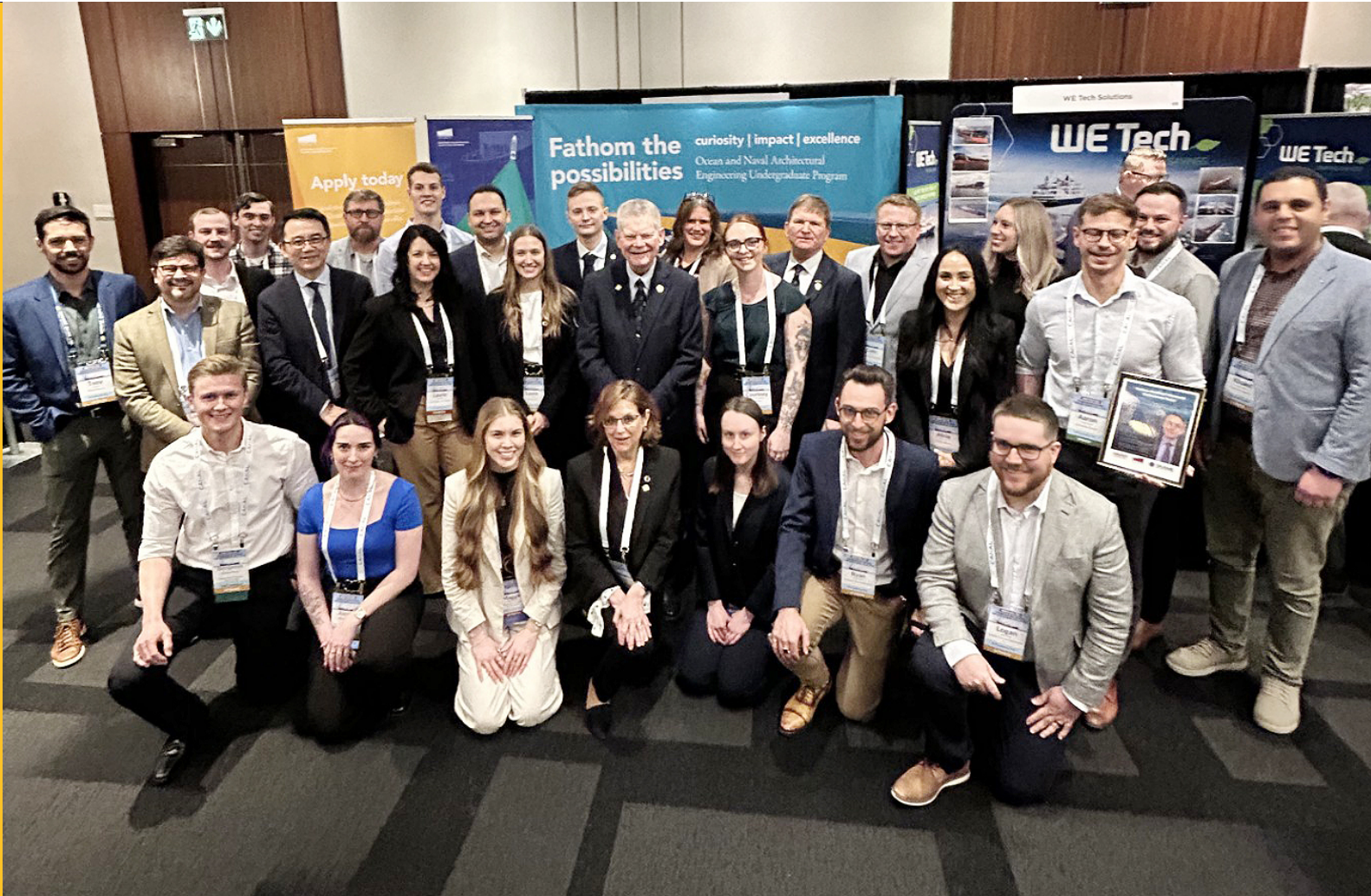




# SNAME

THE INTERNATIONAL COMMUNITY FOR MARITIME AND OCEAN PROFESSIONALS



**MARITECH 2025 in Montreal** – Memorial University and Marine Institute alumni made up over 10 percent of the 640 attendees. For more photos from MARITECH 2025, please see page 6.

# SNAME NEWS

April 2025

## In This Newsletter

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## BUILDING A LEGACY: ENSURING LONG-TERM IMPACT FOR SNAME AND THE MARITIME INDUSTRY



Over the past few months, I have written about relevance, growth, and turning growth into action. These themes have been and will continue to be central to my vision for SNAME because they address the immediate challenges we face as a Society and as an industry. However, if

we are to truly secure SNAME's future, we must turn to focus on something even more enduring: **building a legacy.**

A legacy is not just about what we accomplish today but what we leave behind for the next generation. It is about ensuring that SNAME remains a dynamic, impactful organization long after our time of leadership and participation comes to an end. This requires us to be intentional about how we engage with our student members and our young professionals, how we foster technical leadership, and how we shape the future of the maritime industry. Simply put, we must ask ourselves: **What will SNAME look like in 10, 20, or even 50 years, and how does what we do today move us closer to that vision?**

### **SUSTAINING MOMENTUM: FROM GROWTH TO LONGEVITY**

I believe that we have made great strides over the last few years in encouraging growth and engagement, but the real challenge we have is sustaining this momentum. Short-term growth serves little purpose; we must think strategically about how to ensure long-term impact. This means implementing structures and initiatives that will carry forward the work that we do today.

One of the most critical elements in sustaining our momentum is **leadership succession**. We must develop a clear pipeline of leaders within SNAME — from

student members to senior professionals — ensuring that every generation is prepared to step up and guide the Society into the future. Leadership development programs, mentorship initiatives, and active engagement at all career levels are essential to this process. We all have a responsibility to look around us and identify and encourage the next generation of leaders in our Society. SNAME offers ways for members of any generation to get more involved, whether you participate in a Section's Executive Committee or one of our dozens of other Committees, join or chair a T&R Panel or Committee, or serve in many elected or appointed offices.

### **MENTORSHIP: THE HEART OF A LASTING LEGACY**

A strong legacy is built on mentorship. Every experienced SNAME member has the opportunity—and, I would argue, the responsibility — to invest in the next generation. Whether through formal mentorship programs or informal guidance, the transfer of knowledge and experience is one of the most powerful ways we can shape SNAME's future.

But mentorship is not just about technical skills; it is about **instilling a sense of purpose and belonging** into the next wave of maritime professionals. If young professionals see SNAME as a vital part of their career growth, they will be far more likely to stay engaged and contribute over the long term. A culture of mentorship creates a cycle where today's mentees become tomorrow's mentors, ensuring the sustainability of our Society.

Hopefully you are aware that SNAME is piloting a mentorship program, as an initiative of our Young Professionals Committee. We have half a dozen mentor-mentee relationships formally in progress. Thank you to Jack Bonoli and Susan Noste for developing the program and getting it off the ground. We hope to have some lessons learned by this Fall and find a way to scale the program up to benefit many more of our members.

## FOSTERING INNOVATION: SNAME AS A LEADER IN MARITIME TECHNOLOGY

A lasting legacy also depends on our ability to remain at the forefront of maritime innovation. The maritime industry is undergoing profound transformation — decarbonization, automation, and digitalization are redefining how we design and operate ships. If SNAME is to remain **the** premier organization for naval architects, marine engineers, and other industry professionals, we must lead these discussions and innovations. Our relevance in the industry will not be maintained by simply keeping up—we must **set the pace** for where the industry is headed.

## THE CALL TO ACTION: HOW WILL YOU CONTRIBUTE TO SNAME'S LEGACY?

A legacy is not built by one person or even one generation—it is built by the collective action of all of us over time. The question we must all ask ourselves is: **What will each of us do today that will have a lasting impact on SNAME and our industry tomorrow?**

Will you step up as a mentor? Will you contribute your expertise to a research panel? Will you take on a

leadership role in your local SNAME Section? Will you encourage a young professional to join and participate in our Society? Will you include SNAME in your estate planning, finding ways to let your industry legacy live on well into the future?

Recently, three of our long-time members pledged funds that are now being used to create scholarships that we will begin to award next year. What a great way to ensure SNAME's legacy for decades to come!

SNAME's future is shaped by the actions of all of its members. We all have a role to play in ensuring that our Society remains a vital force in maritime engineering and technology — not just for ourselves, but for generations to come.

Let's continue this journey together. Let's build a legacy that stands the test of time.

**Fair winds and following seas,**



**Rich Mueller**

President

[president@sname.org](mailto:president@sname.org)

## A REMINDER FROM FINANCE

Please note that the primary email address for all billing and invoice-related inquiries is [Finance@sname.org](mailto:Finance@sname.org). Thank you.



## FROM THE EXECUTIVE DIRECTOR

### NEW ACADEMIC AFFILIATE PROGRAM

I am excited to announce SNAME's new Academic Affiliate Program (AAP).

SNAME has a long history in partnering with academic institutions. It was a natural outgrowth of our original 1893 charter which provides that:

*The particular business and objectives of the Society are the promotion of practical and scientific knowledge in the arts of ship building and marine engineering and the allied professions; and in furtherance of this object to hold meetings for social intercourse among members, and the reading and discussion of professional papers, and to circulate by means of publication the knowledge thus obtained.*

Our current bylaws provide for education committees, including an Education Steering Committee with requirements for representation from academic institutions, particularly those teaching naval architecture and ocean and marine engineering. They also require that SNAME's Technology & Research Steering Committee has representation from cooperating academic institutions along with government agencies and all segments of the maritime industry.

SNAME has always recognized its connection with academic institutions through the leaders of its Student Sections. We currently have 49 of them. I believe that there is no better time than now to strengthen our relationships with academic institutions and support them in graduating students with academic and practical knowledge of naval architecture, marine engineering, ocean engineering, and the allied professions.

The new SNAME AAP is open to all academic institutions with programs in naval architecture, marine engineering, ocean engineering, allied branches of engineering, and related marine transportation programs recognized by SNAME.

For affiliated institutions, at the macro level, the program offers:

- ▶ Enhanced collaboration between academia and industry
- ▶ Expanded networking opportunities
- ▶ Access to resources
- ▶ Opportunities for career enhancement through papers
- ▶ Skill-building opportunities for student and professional members by participating in Section and other events
- ▶ A more formalized relationship and greater visibility of the affiliation between the academic institution and SNAME

The standard AAP benefits are provided on the next page.



# HQ UPDATE



## ACADEMIC AFFILIATE PROGRAM

This program is open to all academic institutions with programs recognized by SNAME. By entering this program, the institution will explore establishing a student section in accordance with SNAME policy, if one does not already exist.



|  | PLATINUM<br>\$5,000   | GOLD<br>\$2,500   | SILVER<br>\$1,000                          |
|--|---|---|--|
| <b>Membership</b>                                  |   |   |  |
| Memberships (complimentary)                        | 3 - professional<br>6 - student   | 2 - professional<br>4 - student                           | 2 - professional<br>2 - student            |
| Paper Downloads (OnePetro)                         | 20 free per membership  | 20 free per membership                                    | 20 free per membership                     |
| MT Magazine Online                                 | Free for Members  | Free for Members  | Free for Members                           |
| <b>Education</b>                                   |   |   |  |
| Technology & Research (T&R) Committees and Panels  | SNAME senior mentor assigned to 6 students  | SNAME senior mentor assigned to 4 students                | SNAME senior mentor assigned to 2 students |
| Webinars and Webinar Library                       | Free to Professors & Students   | Free to Professors & Students                             | Free to Professors & Students              |
| Journals/Textbooks                                 | Discounts   | Discounts   | Discounts                                  |
| SNAME Scholarships (undergraduate and graduate)    | SNAME members only  | SNAME members only  | SNAME members only                         |
| <b>Advertising</b>                                 |   |   |  |
| SNAME Monthly Newsletter (circulation over 20,000) | Skyscraper Ad (600X 150) - any one month free   | N/A   | N/A  |
| SNAME.org  | Banner (728x 90) or Sidebar Ad (300x250) - one month free   | Banner (728x 90) or Sidebar Ad (300x250) - one month free | N/A  |
| SNAME.org  | Recognized as an academic affiliate   | Recognized as an academic affiliate                       | Recognized as an academic affiliate        |
| Career Job Center                                  | Complimentary   | Complimentary   | Complimentary                              |
| <b>Networking</b>                                  |   |   |  |
| Participation in local Professional Sections       | Expand professional network in industry and academia by meeting members around the world. Access fellow members through face-to-face meetings and events or by direct contact through SNAME Members Only Directory. |   |  |

For more information on the AAP, please contact Elizabeth Bouchard at [ebouchard@sname.org](mailto:ebouchard@sname.org).



### NEW ADMINISTRATIVE ASSISTANT

Please join us in welcoming Nina Hailemariam, our new Administrative Assistant, to SNAME HQ. Nina brings solid administrative experience to the role and is a strong addition to our team. Nina is based at SNAME HQ in Alexandria, Virginia and reports to Executive Director Elizabeth S. Bouchard.

Email: [YHailemariam@sname.org](mailto:YHailemariam@sname.org)

## SEA-AIR-SPACE 2025

With over 15,000 attendees and 350 exhibitors, Sea-Air-Space 2025 brought together the defense industry, private-sector leaders, and military decision makers for three days (6-9 April) of educational sessions and policy discussions.

On the closing day of the event, Secretary of the Navy John Phelan's message to industry was that there are going to be changes to the U.S. Navy and these changes need to happen now. An example of a change needed, but without specifics, was in "acquisition and procurement."

Organized by the Navy League of the United States, the event was held at the Gaylord National Resort & Convention Center (National Harbor, MD) and showcased a dynamic and impressive exhibit hall with cutting-edge innovations.

Many SNAME members attended and exhibited. In fact, there were so many SNAME members in attendance, I did not have the opportunity to speak with everyone who I had intended to see (even after three days of walking an average of five miles a day in the exhibit hall). However, I was able to snap a few pictures to share.



**Top left:** Laurie Balen, Chief Operating Officer, Genoa Design International Ltd.

**Top right:** Matthew Barrett, Business Development Manager, InnovMarine Inc.



**Bottom Left:** Pat Roberts, VP of Sales & Operations, ShipConstructor Software USA, Inc.

**Bottom right:** SNAME Member Jason Albert (VP-Chief Human Resources Officer, Tel Staffing & HR) with Tel Staffing Team members Susie Nix, Amy Brown, and Shawn Brown. The group visited SNAME HQ on their way home from Sea-Air-Space 2025.

## NEW SNAME SCHOLARSHIP

The new Thordon Bearings Graduate Scholarship, made possible by a generous donation from George A. “Sandy” Thomson (see the Member Profile on page 7), is a merit-based award intended to inspire and foster the design of green and efficient vessels. The design may address any part of the ship (above or below the water line) and any environmental element (e.g., noise, air, water).

Successful applicants must demonstrate that their innovation will result in significant environmental improvements based, at a minimum, on the following criteria: degree of innovation and novel idea; technical soundness of the design; potential for significant environmental improvement(s); can be practically implemented or produced; commercially viable.

Applications for the 2026-2027 academic year are due on 1 February 2026. Applicants must be a SNAME member for at least four months to be eligible. For more information about SNAME Graduate Scholarships, go to: [www.sname.org/scholarships](http://www.sname.org/scholarships)

## MARITECH 2025 IN PHOTOS

Stay tuned for more coverage of MARITECH in the June SNAME*News*.



**Top left: MARITECH 2025 in Montreal - En Avant Tous! (Full Speed Ahead!)** – With well over 600 attendees, MARITECH 2025 included bringing together the key Thursday afternoon presenters, Operators Forum panelists, Closing Keynote, and CIMARE and SNAME leadership, including young professional volunteers.



**Top right: The Power of Volunteering** – New SNAME student member Karina Shechtman (Concordia University) is welcomed aboard by Sandy Thomson (Thordon Bearings Inc.), Glenn Walters (Walters Marine Engineering and Consulting Inc.), Rich Mueller (NETSCo), and Elizabeth Bouchard (SNAME).

**Bottom Left: Welcome Aboard** – Joanna Davies boarded the SNAME boat during her “pinning ceremony” with SNAME Functional Vice President of Membership Glenn Walters and SNAME Executive Director Elizabeth Bouchard.

**Bottom right: Building Ships = Relationships** – MARITECH is always looking for innovative ways to enable networking, including a new young professional-led activity. Thanks to long-time SNAME and CIMARE member Dave Belisle (Algoma Central Corporation) for sponsoring the first MARITECH Stability Challenge.



**Elizabeth Bouchard**  
Executive Director  
[ebouchard@sname.org](mailto:ebouchard@sname.org)



# MEMBER PROFILE



## GEORGE A. "SANDY" THOMSON

FOUNDER, INNOVATOR  
THORDON BEARINGS INC.

**Eliminating Oil and Grease from Our Rivers, Seas, and Oceans**

Sandy Thomson is the founder and innovator at Thordon Bearings Inc., a non-metallic bearing and seal manufacturer producing environmentally sustainable

solutions to the global marine, clean energy, pump, and industrial markets. He has been the driving force behind the development of polymer bearings that are truly revolutionary – long lasting and operating without oil or grease.

With a strong focus on the health of our oceans, seas, and rivers, Sandy was ahead of his time developing seawater lubricated propeller shaft bearings used on over 5,000 vessels around the world from workboats on the Mississippi, cruise ships in the Mediterranean, container ships on all the oceans, and vessels for over 50 navies and coast guards around the globe.

### **Sandy's Early Life**

Sandy attended Northrop University in Inglewood, California, studying Aircraft Maintenance Engineering but graduating as a Mechanical Engineer. In 1965, he decided to join the family business, Thomson-Gordon Ltd., in Hamilton, Ontario, Canada. At the time, the company was primarily a distributor of Engineers Supplies. Looking for a niche where engineered mechanical products made from rubber and plastic components could be designed, they developed the Thordon polymer in the late 1960s.

Sandy thought of many markets for the polymer, and after the successful operation of the polymer installed in vertical pump applications, the marine market on Lake Ontario seemed like the perfect place to test the bearing in horizontal applications. So thanks to Sandy, the world's first Thordon propeller shaft bearing was installed on a Great Lakes tug owned by McKeil Marine in Hamilton in the late 1970s. Today McKeil is the largest tug/barge owner on the Great Lakes and still a loyal customer 40 years later. Following this conversion, many other vessels on the Great Lakes were converted to Thordon's propeller shaft bearing system, helping to put Thordon on the map in the marine industry.

### **Sandy at the Helm**

Sandy's focus on innovation and developing export markets has been the key to Thordon's success. In 1990, he bought the Russian deep sea salvage tug Rudokop, converted it to a "floating

showcase" of Thordon marine bearing and seal products, and then captained this ship visiting more than 200 ports in Europe. With Sandy at the helm, Thordon has become a global leader in seawater lubricated propeller shaft bearings and seals as well as offering a complete range of non-metallic sleeve bearing solutions for rudders, deck equipment, and shaftline solutions.

### **Sandy's Contributions to the Maritime Community**

- ▶ He produced the world's first polymer alloy bearing installed into a vertical pump in partnership with a local steel plant, replacing traditional rubber bearings that typically wore out in a few weeks.

# MEMBER PROFILE

- ▶ With a strong focus on the health of our oceans, seas, and rivers, Sandy was ahead of his time developing seawater lubricated propeller shaft polymer bearings that did not need oil. In the last 35 years, these bearings have been installed on thousands of vessels around the globe where they have prevented millions of liters of oil from polluting our oceans and seas.
- ▶ The performance of Thordon's polymer tailshaft bearings on the Royal Canadian Navy's Halifax-Class Patrol frigates in the 1990s led to its use in over 50 navies and coast guards around the world using non-metallic bearing technology on nuclear submarines, German Navy frigates, and South Korean Navy destroyers to name a few.
- ▶ Sandy was the catalyst in the development of a robust tailshaft seal that has a unique emergency seal feature. This feature allows any ship to return to port safely while preventing permanent seal damage.



## The SNAME Connection and Advice to Our Students

Sandy was recognized by the Society of Naval Architects and Marine Engineers (SNAME) in 2016 when he was elected a Fellow for his outstanding personal contribution to the marine/ocean engineering fields through significant achievements in design, research, production, operation, and education. He and Thordon Bearings have presented many technical papers at SNAME conferences, furthering the movement of seawater lubricated propeller shaft bearings.

In 2019, Sandy won the prestigious Elmer A. Sperry Award for advancing the art of transportation in recognition of leading the innovation for water-lubricated propulsion shaft bearings for marine transport through the application of polymeric compounds.

Sandy is a firm believer in the role technical societies such as SNAME play, to provide forums for open and collegial discussion and debate while acting as the guardians of best practice and innovation. He actively encourages his team, including young professionals, to develop a culture of technical dialogue coupled with a seasoning of business acumen. Sandy advises young engineers to not be discouraged by negativity. Anyone can design a test rig that can cause your product to fail. Products fail in service as well, and diagnosis is critical. Sandy advises his team to never turn away from a problem. When Thordon Bearings was incorporated in 1990, Sandy travelled the world for five weeks at a time, setting up distribution and selling. Tough sledding, because Thordon had little success history. But then Thordon had a breakthrough with the Royal Canadian Navy's Halifax-Class frigates where Thordon's low-friction COMPAC propeller shaft bearings met acoustic criteria and replaced rubber bearings, and the rest is history.

## A New SNAME Scholarship

Sandy wants to encourage environmental innovation, developing marine products focused on reducing or eliminating pollution of the water and/or air. The maritime community represents Thordon's largest business sector – and water covers four-fifths of the earth's surface – so a new SNAME scholarship is the best place to make such a contribution. Sandy hopes the new Thordon Bearings Graduate Scholarship inspires the next generation of students to lead the maritime community to make a strong impact to help the survival of our planet.



# MEMBERSHIP

## NEW & REINSTATED MEMBERS MARCH 2025

### JOIN US IN WELCOMING:

**Finn Ackerman**, Webb Institute

**David Alexander**, Seaspan

**Arriell Anderson**, Precise Staffing Solutions

**Antonio Applauso**, University of New Orleans

**Rizky Ariesta**, Institut Teknologi Sepuluh Nopember

**Bachtiar Bahari**, Institut Teknologi Sepuluh Nopember

**Achmad Baidowi**, Institut Teknologi Sepuluh Nopember

**Sydney Barok**, Webb Institute

**James Belshan**, Huntington Ingalls Industries

**Shane Bennett**, University of Alaska

**Eray Ceylan**, Akyacht

**Chanchal Chenthamaraskhan**, Transport Canada Marine Safety and Security

**Nikhil Chuttururu**, Carnival Cruise Line

**Miranda Clace**, Fleetway Inc.

**Toby Costigan**, University of New South Wales

**Marcus de Greef**, Maritime Advise B.V.

**Claudio de Moraes**, Universidad Tecnológica Nacional

**Daniel Dubon**, American Bureau of Shipping

**Michael Eaton**, CACI International

**Hassan Emamzadeh**, University of Ottawa

**William Engemann**, University of Michigan

**Nicholas English**, United States Navy

**Andrean Frans**, Institut Teknologi Sepuluh Nopember

**Agustin Garcia**, Universidad Tecnológica Nacional

**Romain Garo**, Romain Garo CFD

**Avinash Godey**, Indian Maritime University

**Pedro Guastalegname**, Universidad Tecnológica Nacional

**Mohsine Hafid**, M Hafid Engineering

**Nathan Hazle**, University of New South Wales

**Alexandra Heitman**, Great Lakes Shipyard

**Jack Hendrickson**, Webb Institute

**Dzaki Husni**, Institut Teknologi Sepuluh Nopember

**Sheeja Janardhanan**, Indian Maritime University

**Naiyu Kang**, University of Strathclyde

**Baltazar Killamet**, Universidad Tecnológica Nacional

**Angus MacChesney**, University of Michigan

**Annabel Marshall**, Webb Institute

**Alex Maunsell**, Vard Marine Inc.

**Jiahao Mei**, University of British Columbia

**Reed Menszer**, University of New Orleans

**Ella Mitchell**, Texas A&M University

**Danica Mullin**, University of New South Wales

**Kevin OBrien, III**, Florida Institute of Technology

**Kiernan O'Connor**, The Great Lakes Towing Company

**James O'Donnell**, University of Michigan

**Lateef Ogboye**, Kenny Blues Marine Services Ltd.

**Ahmed Omar**, Chevron Corp.

**Anthony Onovo**

**Toga Pangaribuan**, Institut Teknologi Sepuluh Nopember

**Katerina Polemis**, National Renewable Energy Laboratory

**Timothy Powell**, Massachusetts Institute of Technology

**Scott Puckett**, Shell

**Bijimon Punnoose**, FloatSys

**Laura Rambo**, United States Coast Guard

**Michael Robson**

**Joseph Sagan**, University of Michigan

**Marcio Salnisky**, Universidad Tecnológica Nacional

**Matthew Schoene**, CACI International

**Maliah Servino**, Massachusetts Maritime Academy

**Robert Shaw**, New Zealand Maritime School, Manukau Institute of Technology

**Kevin Song**, University of British Columbia

**James Tracey**, University of Massachusetts Lowell

**Boran Turan**, Piri Reis University

**Kayla Voss**, Florida Institute of Technology

**Peter Wallace**, BG Group

**Sin Wong**, IMC Shipping Co PTE Ltd.

**Sergiy Yakovenko**, Albion Marine Solutions



# MEMBERSHIP

## CONGRATULATIONS TO SNAME'S SPRING 2025 FELLOWS

Six SNAME members with outstanding personal contributions to naval architecture, marine or ocean engineering, or allied disciplines, with at least ten years of active practice, have earned the honorific designation of SNAME Fellow.

The six professionals to join the long and prestigious list of SNAME Fellows are:



**Will Ayers**

Elliott Bay  
Design Group

Pacific Northwest  
Section



**Michael Fan**

Tsakos Energy  
Navigation  
(TEN) Limited

Greek  
Section



**Carolyn Q. Judge**

United States  
Naval Academy

Chesapeake  
Section



**Michael G. Morabito**

United States Naval  
Academy

Chesapeake  
Section



**Casey J. Moton**

U.S. Navy

Chesapeake  
Section



**George F. Sidney**

Maritime Cargo  
Handling

Southwest  
Section

For the full list of SNAME Fellows, go to: <https://www.sname.org/fellows>

The deadline for nominations for the next review cycle for the SNAME Fellows Program is 24 July. For more information and the nomination application, go to: <https://www.sname.org/form/fellows-nomination-form>

## REMINDERS FOR STUDENT RECOGNITION PROGRAMS

### UNDERGRADUATE SCHOLARSHIPS – APPLICATIONS DUE 1 JUNE

SNAME Student Members interested in pursuing or continuing their studies in fields directly related to the maritime industry in the 2025-2026 academic year are eligible to apply for a SNAME undergraduate scholarship.

- Applications are due on 1 June.
- Supporting documents must be submitted by 15 June.
- For more information and to access the online application, visit: [www.sname.org/scholarships](http://www.sname.org/scholarships)

### STUDENT PAPER AWARDS – NOMINATIONS DUE 15 JUNE

SNAME's Student Paper Awards are presented annually to recognize outstanding merit and originality in student papers presented at SNAME events. Recipients are recognized for their writing skills, research, and contribution to knowledge, and receive a cash prize. There are four awards, two per study level.

- Graduate Paper Honor Prize
- Graduate Paper Award
- Undergraduate Paper Honor Prize
- Undergraduate Paper Award

Self nominations are accepted. For more information or to nominate a deserving student, go to: [www.sname.org/student-paper-awards](http://www.sname.org/student-paper-awards)

# MEMBERSHIP

## "FACULTY ADVISOR OF THE YEAR" AWARD – NOMINATIONS DUE 15 MAY

The "Faculty Advisor of the Year" Award recognizes a Student Section Advisor for his or her significant contribution to the success of the Section and its students. Nominations from Student Section leaders are reviewed by the Student Steering Committee and approved by the Awards Committee.

The Faculty Advisor of the Year then has the opportunity to select a student or students to be awarded the Bruce and Dorothy Rylander Johnson Undergraduate Scholarship, in consultation with the Scholarships Committee. This allows the Faculty Advisor of the Year to recognize a student or students who exemplify outstanding contribution to the field of naval, marine, and ocean engineering studies.

For more information and to submit a nomination, [click here](#).



### Sofia Iliogrammenou

Director, SNAME European Office

Director, Membership

[siliogrammenou@sname.org](mailto:siliogrammenou@sname.org)

## PHILLIP JOHN HELMORE

We are saddened to inform you of the passing of long-time SNAME member Phillip John Helmore on 2 March 2025. His obituary will be published in the next issue of this newsletter.



## TRANSACTIONS TRADE

The collection of *Transactions* at SNAME HQ is missing four volumes. If you have a volume of *Transactions* from 2002, 2006, 2007, or 2010 and would like to help us complete our set, please send an email to [publications@sname.org](mailto:publications@sname.org).

If you are missing a volume year in your personal collection, please send an email to [publications@sname.org](mailto:publications@sname.org). We have extra copies of most years (1893-2017) of *Transactions* that we would like to make available to SNAME members at no cost beyond shipping.



# Andrew Kendrick Memorial Endowment Fund

It is with deep sadness that we share the news of the passing of Andrew Kendrick. Andrew was not only a dear friend to many of us but also a mentor and trailblazer whose passion for icebreaker design and whose strong leadership left an indelible mark across our industry. As we mourn his loss, we also celebrate his remarkable contributions to the marine technical community in the field of naval architecture and ship design.

Andrew was actively engaged in academia, both in applied research, and in mentoring students in the naval architecture program at Memorial University (MUN). In his memory, MUN, in conjunction with Vard Marine and, supported by the Society of Naval Architects and Marine Engineers, have established the Andrew Kendrick Memorial Endowment Fund. This will provide an annual scholarship to an undergraduate student in the Ocean and Naval Architectural Engineering program at MUN.

Other companies and individuals can also contribute to the endowment fund – as the fund grows it will enable the award of higher value scholarships and eventually multiple awards, continuing Andrew's legacy in academia and naval architecture.

There are two ways to donate:

1. Online: Visit <https://www.mun.ca/give/give-online/> and select "Other" under "Please Direct My Gift To" and enter "Andrew Kendrick Scholarship."
2. Contact Matt Conway: Senior Development Officer at MUN Engineering via email at [mdconway@mun.ca](mailto:mdconway@mun.ca) or phone at (709) 864-3274 (recommended for corporate donations).





## UPCOMING INDUSTRY EVENTS

- 5 - 8 May 2025** – [Offshore Technology Conference](#) – Houston, TX (*If you are a SNAME member, indicate that in the registration process on the Organization Affiliation question to receive the member discount.*)
- 14 - 15 May 2025** – [Maritime Networking Summit at Costa Navarino](#) – Messinia, GR
- 28 - 30 May 2025** – [Inland Marine Expo](#) – Nashville, TN
- 9 - 11 June 2025** – [Ship Repair USA](#) – New Orleans, LA
- 9 - 11 June 2025** – [Green Marine's GREENTECH 2025](#) – New Orleans, LA
- 22 - 27 June 2025** – [44th International Conference on Ocean, Offshore & Arctic Engineering®](#) – Vancouver, BC
- 7 - 9 October 2025** – [IBEX 2025](#) – Tampa, FL
- 19 - 23 October 2025** – [International Symposium on Practical Design of Ships and Other Floating Structures](#) – Ann Arbor, MI
- 29 October 2025** – [International Conference on FAST Sea Technology 2025 \(FAST 2025\)](#) – Norfolk, VA
- 29 - 31 October 2025** – [SNAME Maritime Convention 2025](#) – Norfolk, VA
- 4 - 5 November 2025** – [Marine Log Ferries Conference and Expo 2025](#) – Jersey City, NJ
- 3 - 5 December 2025** – [International WorkBoat Show 2025](#) – New Orleans, LA

## UPCOMING SECTION EVENTS

- 7 May 2025** – [A Retired Dry Dock Gate becomes an Artificial Reef](#) – In-Person (Kristina Matranga, [kristina.c.matranga@gmail.com](mailto:kristina.c.matranga@gmail.com))
- 20 May 2025** – [Intellectual Property in The Marine Sector](#) – Hybrid Event – [In-Person](#) / [Virtual](#) – London, UK (Contact: Keith Lilley, [klilley@outlook.com](mailto:klilley@outlook.com))
- 3 June 2025** – [Navigating to Sustainable Shipping](#) – Hybrid Event – [In-Person](#) / [Virtual](#) – London, UK (Contact: Keith Lilley, [klilley@outlook.com](mailto:klilley@outlook.com))

To include an event in SNAME's monthly newsletter, please email [events@sname.org](mailto:events@sname.org) by the 15th of the month.



# *Invite to Attend*

SNAME MEMBERS are invited to attend Naval Québec Business-to-Business events on their trade mission to the United States.

## EVENT SCHEDULE

# 28

APRIL

MORNING B2B LOCATION: 10:00-10:30 AND 11:00-11:30 AM  
**MAINE MARITIME MUSEUM**  
243 WASHINGTON ST, BATH, ME 04530

AFTERNOON B2B LOCATION: 4:00-5:00 PM  
**PEASE TRADEPORT**  
55 INTERNATIONAL DRIVE, PORTSMOUTH, NH 03801

# 29

APRIL

RHODE ISLAND B2B SESSION: 10:15 AM-12:00 PM  
**WYNDHAM NEWPORT HOTEL**  
240 AQUIDNECK AVE, MIDDLETOWN, RI 02842

# 30

APRIL

FIRST B2B LOCATION: 12:00-1:00 PM  
**BROOKLYN NAVY YARD, BUILDING 77**  
141 FLUSHING AVENUE, SUITE 801, BROOKLYN, NY 11205

SECOND B2B LOCATION: 2:45-4:00 PM  
**STATEN ISLAND INDUSTRIAL ALLIANCE**  
3075 RICHMOND TERRACE, BUILDING 7, FIRST FLOOR, STATEN ISLAND, NY 10303

# 01

MAY

PENNSYLVANIA B2B SESSION: 8:30-11:30 AM  
**COURTYARD PHILADELPHIA SOUTH AT THE NAVY YARD**  
1001 INTREPID AVE, PHILADELPHIA, PA 19112

Naval Québec's mission is to promote, support, and represent the interests of more than 1,000 companies that make up the province of Québec's naval supply chain - to ensure that Québec's naval supply chain is recognized worldwide.

## MENTOR-FOR-A-DAY PROGRAM AT OTC 2025

Are you attending the Offshore Technology Conference (OTC 2025) on 5-8 May 2025 at NRG Center in Houston, TX? Please consider signing up for SNAME's Mentor-for-a-Day Program!

The Mentor-for-a-Day Program matches students with experienced professionals in the maritime community for three hours. From walking the exhibit hall together to answering one-on-one questions, this is a great opportunity for students to connect with and learn from SNAME members. There are seven mentoring windows available, and students are matched with professionals based on their area of interests.

For more information and to sign-up for the Mentor-for-a-Day Program, go to: <https://www.sname.org/form/sname-otc-mentor-for-a-day-2025>

## VISIT THE SNAME BOOTH AT OTC 2025

#L132, LOCATED JUST OUTSIDE THE EXHIBIT HALL



### Rachael Gass

Manager, Events & Digital Assets  
[rgass@sname.org](mailto:rgass@sname.org)





## THE PUSH TO MAKE MORE CONTENT ELIGIBLE FOR PROFESSIONAL DEVELOPMENT HOURS (PDH)

SNAME offers professional development opportunities through conferences, symposia, other technical meetings, and webinars. Most engineers recognize the need to maintain their technical skills and keep up with the latest developments in our various specialties, and if you are a registered Professional Engineer (PE), you are required to show that you have a certain number of Professional Development Hours (PDH) to renew your license.

Although not every SNAME presentation is certified for PDH credits, those that have been granted PDH based on the New York State requirements because it was believed that New York requirements were the most restrictive regarding what qualified.

This year we decided to verify that assumption. To that end I visited the websites of the licensure boards for all 50 states, the District of Columbia, and the four territories to find out how PDH are determined, what qualifies, and record-keeping requirements for each entity. The similarities and differences were enlightening! The U.S. requirements have been compiled in a spreadsheet that is available to all SNAME members, and I am now working on a similar spreadsheet for Canada. To access the spreadsheet [click here](#).

I did answer the question about certifying material to the New York State requirements; they are the most restrictive: only New York requires that material be

reviewed and certified by a person accredited by the New York Board for Engineering, Land Surveying and Geology before it is presented. All other state and territory organizations allow the licensee to decide whether or not an event meets the PDH requirements laid out by that body with the proviso that if audited the board may disallow some PDH.

SNAME would like to have as many of our offerings as possible certified for PDH. One of the first changes we've made is to increase the length of technical sessions at the SNAME Maritime Convention from 45 to 50 minutes to meet the minimum time requirement necessary to allow one PDH. (NOTE: The 50-minute minimum is universal, not just New York). David Chapman, PE, SNAME's Evaluator for Continuing Education, is the only person in our organization (of which we are aware) certified to review material and grant PDH to the New York requirements.

Sections can also have technical presentations reviewed for PDH. Many presentations from the New York Metropolitan Section, of which Dave is a member, are certified. If your Section is planning an event that you would like evaluated for PDH, please contact me.



**Rick Ashcroft**

Director, Technology and Education  
[rashcroft@sname.org](mailto:rashcroft@sname.org)

## PANEL OC-10 NODULES SHIPTOSHORE JOINT INDUSTRY PROJECT COMPLETES PHASE I

### FROM THE PHASE I REPORT AND PHASE II PROPOSAL:

The Nodules shipToshore JIP Phase I is now complete. It developed the strategy to determine if polymetallic nodules can be shipped as an existing material in the International Maritime Solid Bulk Cargoes (IMSBC) code or as a new material. It also developed a strategy on how to engage with the relevant stakeholders to get agreement on the definition of the port of loading when mining in international waters. Numerous virtual meetings were held with the Ship to Shore JIP funding participants to discuss these issues and the preparation of relevant plans, strategies, and the scope of work and cost for implementing those strategies in follow-on Phase II.

Phase II proposes to test nodules from three different nodule locations to determine if the nodules have physical properties and shipping risks like a bulk solid cargo that already has a material schedule in the IMSBC code, or if a new material schedule must be prepared and submitted to the IMO representatives for approval. Testing includes

Cyclic Triaxial Testing (CTT) to determine if the nodule cargoes risk of liquefaction is the same as iron ore, coal, and manganese ore (i.e., if the nodules have the same transitional threshold Particle Size Distribution (PSD), 10% by weight of fine material 1 mm or smaller and 50% by weight of material 10 mm or smaller). This requires CTT of one sample from a representative number of nodule mining locations (assumed three locations) with the transitional threshold PSD at three different Cyclic Stress Ratios (CSR). Leaders of the JIP are now working with the Phase I Funding and Guest Participants to obtain funding for Phase II with a goal of making a presentation to the IMO Cargo & Container Carriage (CCC) Committee in September of next year.

*Authors Note:* An excellent article about the mining and transport process, *Seabed to Shore Collecting and Transporting Deep Sea Polymetallic Nodules*, by Jim Wodehouse and John Halkyard was published in the April issue of *MT* magazine.



Figure 1 - Cargo Liquefaction Can Ruin Your Whole Day



**Rick Ashcroft**

Director, Technology and Education  
rashcroft@sname.org

## SNAME JOURNAL NEWS

### JOURNAL OF SAILING TECHNOLOGY

SNAME's *Journal of Sailing Technology (JST)* has been accepted for indexation in Scopus, one of the world's largest and most prestigious databases of peer-reviewed academic journals.

This achievement recognizes the hard work of the *JST* Editorial Board over many years, the rigor and expertise of the authors and peer-reviewers, the integrity of the publication process, and the quality of the research published.

Launched in 2016, *JST* is a peer-reviewed, open access journal that is continuously published online as papers are accepted. *JST* provides a medium for the publication of research achievements and engineering practices inherent to all aspects of sailing technology. Funded by SNAME, *JST* provides a platform for academics, researchers, students, designers, manufacturers, industry professionals and sailors alike, as well as the general public with an interest in sailing technology.

### JOURNAL OF SHIP PRODUCTION AND DESIGN

The latest issue of *Journal of Ship Production and Design (JSPD)* is now available. Print and digital subscriptions are offered for *JSPD*, and individual technical papers are also available on OnePetro, our online digital library. SNAME members receive 20 paper downloads from OnePetro per year.

The new issue features the following technical papers:

- ▶ [Prediction of Ship Production Design Man-Hour Based on WGAN-GP and HEOA-BP Neural Network](#), by Wang Chong; Hua Derui; Peng Jiang; Huang Lin
- ▶ [Liftboat Stability Using Energy-to-Incline and Varying Inclination Direction](#), by Kieran Ryan; Ethan Tobey; Daniel Burke; Tara Larkin; Todd Taylor; Andrew Lawrence; Brian Thomas
- ▶ [Exploring Vessels from the Offshore Oil and Gas Industry in Design of Deep-Sea Mining Vessels](#), by Astrid V. Solheim; Per O. Brett; Jose J. G. Agis; Donna Rhodes; Adam Ross; Bjørn E. Asbjørnslett
- ▶ [Investigation of Potential Diesel Alternatives for Great Lakes Bulk Carriers](#), by Connor P. Brown

## CALL FOR VOLUNTEERS

If you're interested in serving on the SNAME Publications Steering Committee or a Publications Sub-Committee or Working Group, please send an email to [publications@sname.org](mailto:publications@sname.org).



**Maggie O'Brien**

Director, Publications  
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**Member Company:** Leidos

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To submit content for SNAME's monthly newsletter, please email [publications@sname.org](mailto:publications@sname.org) by the 15th of the month.



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