

DISCOUNT FOR EARLY REGISTRATION!

# SNAME

ANNUAL MEETING & EXPO

November 3-5, 2010  
Seattle/Bellevue  
Washington



*Where Industry &  
Technology Meet*

WWW.SNAME.ORG

# TECHNICAL PROGRAM



## TECHNICAL EXCELLENCE

The Technical Program will feature an expanded range of topics at the 2010 Annual Meeting, and build upon the excellent and diverse offerings of the 2009 Annual Meeting in Providence, RI. The SNAME 2010 Annual Meeting technical papers vary in length. Each presentation will encourage audience interaction and discussion with the presenters.

The Ship Production Symposium will again be a vital element of the SNAME Technical Program in 2010. These presentations, supported by the National Shipbuilding Research Program, will run concurrent with technical paper presentations, and are noted on the Technical Program Schedule by the initials "SPS".

Technical papers presented at the Annual Meeting will be compiled in the 2010 Transactions. This will mark the 117th annual printing of the most prestigious publication of SNAME.

*"Never stop learning: Knowledge doubles every 14 months"*  
-Anthony J. D'Angelo

## SPECIAL PANEL SESSIONS

The Annual Meeting will again feature four focused panel sessions responding our industry's need for information and expertise on topics of special interest to SNAME members. 2010 Annual Meeting Panel Sessions are titled

### **Panel 1: Arctic Shipping, Security and Logistics**

Co-Chairs: Peter Noble, Dan McGreer

This panel will focus on marine transportation, logistics and security in Arctic regions, with a particular emphasis on understanding the current and planned Arctic shipping activities and their importance to existing communities and developments and to national security and international treaties and regulation.

Panelists: Mikko Niini – President, Aker Arctic Technology, Helsinki, Finland

Jim Sandkvist – Vice President, SSAP, Gothenburg, Sweden Arctic Offshore Patrol Vessel Project Management Office – Canadian Navy, Ottawa, Canada

### **Panel 2: How do we improve performance in shipyards irrespective of numbers and types of ships being built?**

Co-Chairs: Bruce Rosenblatt, Joe Comer

Like other industries, shipbuilding is a highly competitive business requiring constant performance improvement to stay ahead of the competition. Four shipbuilding leaders gather together to discuss new and innovative ideas to improve integration, communication and process to increase their shipyard's performance.

Panelists: Rene Leonard - Vice President of Engineering, Bollinger Shipyards, Inc.

Mike Hoard - Director of Engineering, Marinette Marine Corp., a subsidiary of Fincantieri Marine Group

Randy Nixie - Director of Engineering, VT Halter Marine, Inc.

Tom Perrine - Senior Director of New Construction, Todd Pacific Shipyards Corporation

### **Panel 3: The Future of Public Sector Ship Acquisitions**

Co-Chairs: RADM Thomas Eccles, USN and CAPT Paul Roden, USCG

As government ship acquisition programs continue to face declining budgets and increasing oversight, the imperative for affordable acquisitions is more critical than ever. The members of this panel session will share best practices and lessons learned based on their extensive experience with ship acquisitions in the public sector and the moderators will then lead a discussion on this very important topic based on questions from the audience.

Panelists: Mr. Dub Summerall, USN, Executive Director Combatants Office, PEO Ships

RDML John H. Korn, USCG, Program Executive Officer (PEO) and Director of Acquisition Programs

RADM Jonathan Bailey, NOAA, Director, NOAA Office of Marine and Aviation Operations

Captain Trafford Taylor, Past Executive Vice President, British Columbia Ferry Services, Inc.

### **Panel 4: Waterborne Commuter Transportation**

Co-Chairs: John Waterhouse, Mike Anderson

Panelists will present innovations that their organization have applied to improve ferry operations, the customer experience, or the design process. Innovations may include HVAC control systems that reduce energy consumption, or engine exhaust systems that reduce. The objective of the panel is to identify technology solutions that could be applicable to other waterborne transportation services.

# CONFERENCE & EXPO SCHEDULE



## CONFERENCE & EXPO SCHEDULE

**Tuesday, November 2**

11:00am – 5:00pm **SNAME EXPO Move-In**

12:00pm – 5:00pm **Golf Classic**

**Wednesday, November 3 EXPO OPEN 1pm to 5pm**

10am – 12pm **SNAME EXPO Move-In**

9:00am – 5:00pm **Course #1 Sailing Yacht Performance**

9:00am – 5:00pm **Course #2 Naval Architecture for the Marine Professional**

9:00am – 5:00pm **Course #3 Ship Production**

1:00pm – 2:00pm **Student Welcome**

2:00pm – 6:00pm **Student Programme**

2:00-4:30pm **Design & Build**

4:30-6:00pm **Competition**

5:30pm – 8:00pm **Presidents Reception EXPO HALL**

8:00pm – 9:30pm **Student and Young Professionals Social**

**Thursday, November 4 EXPO OPEN 10am to 5pm**

8:30am – 10:30am **SPECIAL PANEL SESSIONS**

10:30am – 2:30pm **Students and Young Professionals Job Fair**

10am – 11:00am **Expo Hall Morning Refreshments**

11:00am – 1:00pm **Technical Program (Multiple Tracks)**

1:00pm – 2:30pm **Expo Hall Lunch**

2:00pm – 5:30pm **Student Papers Track**

2:30pm – 5:30pm **Technical Program (Multiple Tracks)**

6:00pm – 9:30pm **Banquet Reception and Dinner**

**Friday, November 5 EXPO OPEN 9am to 11:30am**

9:00am – 10:00am **EXPO Hall Morning Refreshments**

9:30am – 12:30pm **Technical Program (Multiple Tracks)**

10:30am – 12:30pm **Student Congress and Elections**

12:30pm – 2:30pm **Presidents Luncheon**

2:30pm – 4:30pm **SPECIAL PANEL SESSIONS**

5:00pm **Alumni Events (independently arranged)**

**Saturday, November 6**

8:00am – 5:00pm **SNAME Cup Sailing Regatta**

7:00pm – 9:00pm **SNAME Cup Dinner and Awards**

10:00am – 12:00pm **Student Summit**

12:00pm – 7:00pm **Student Tour of Seattle and Dinner**

## INCOMPARABLE INDUSTRY SHOW

The EXPO brings you face to face with the latest equipment, services and tools needed to design, build and operate in the marine environment. The EXPO also offers innovation sessions designed to bring attendees more in depth information on the latest products on display within the EXPO. Join industry professionals and innovators in the EXPO and make your company part of the marine industry's Number 1 technical event. Confirm your booth now! Space is extremely limited.

## CONTINUING EDUCATION

The SNAME Annual Meeting will again provide accreditation support to professional engineers in 2010. Three, separate full-day courses will be offered on Wednesday

- **Sailing Yacht Performance Analysis**  
by Bob Beck and Kevin Maki
- **Naval Architecture for the Marine Professional**  
by Bill Garzke and Michael Bateman
- **Ship Production**  
by Tom Lamb

These courses require separate registration and start at 9 am, ending at 5 pm with a break for lunch. Accreditation of 7 professional development hours will be provided through attendance. Professional development credits are also offered at most technical events upon completion of a verification of attendance form.

## SUPPORT THE FUTURE

The SNAME Student Program boasts attendance of around 200 at the Annual Meeting. SNAME is focused and supportive of the future leaders of our industry. Students attend the Annual Meeting at a significant discount and are sponsored to attend the Annual Banquet. The student program includes the Design Competition, Job Fair, Student Paper and Poster Presentations, Young Professional and Student Social, Student Congress with elections and the Student Summit. The Pacific Northwest Section is sponsoring a special tour of Seattle and dinner on Saturday.

*Relevant information is the currency  
of the new millennium.*

*- author unknown*

*"An investment in knowledge pays the best interest"*

*-Ben Franklin*

# CONFERENCE REGISTRATION



Register online @ [www.sname.org](http://www.sname.org) OR Fax this form to 212-254-6271

FULL REGISTRATION	Early (through 10/1/10)	Late & onsite	Sub-Total
<b>Fees (\$ USD)</b>			
SNAME member	\$645	\$745	_____
SNAME member (under 32/over 65)	\$545	\$745	_____
Non-member	\$845	\$945	_____
Student member	\$100	\$100	_____
Student Non-member	\$135	\$135	_____
<b>ALL AUTHORS</b>			
<b>Indicate Paper No./Session</b> _____			
<b>(Required)</b>			
Authors	\$445		_____
<b>ONE DAY REGISTRATION**</b>			
Member	\$445	\$445	_____
Non-member	\$645	\$645	_____
Indicate day: <input type="checkbox"/> Thursday <input type="checkbox"/> Friday			
<b>SPOUSE/COMPANION REGISTRATION</b>			
	\$75	\$75	_____
<b>COURSE REGISTRATION</b>			
	<b>Member</b>	<b>Non-Member</b>	
#1 Sailing Yacht Performance Analysis	\$210	\$410	_____
#2 Naval Architecture for the Marine Professional	\$210	\$410	_____
#3 Ship Production	\$210	\$410	_____
<b>SPECIAL EVENTS</b>			
<b>Note: All Attendees may purchase tickets to these events, in addition to those included in each Registration Category.</b>			
<b>QTY</b>			
_____	President's Reception (Wed.) @\$70		_____
_____	Expo Hall Lunch (Thurs.) @\$25		_____
_____	Annual Banquet (Thurs.) @\$125		_____
_____	President's Luncheon (Fri) @\$45		_____
	<b>TOTAL (\$USD)</b>		_____

## REGISTER

Full and partial registrations, and various options, are available to members and nonmembers. Review the information and instructions at the left to ensure you select correctly when registering online.

### FULL - MEMBER REGISTRATION

**FEES:** Early (prior to October 1) \$645; Onsite \$745; Under 32/Over 65 Early \$545; Onsite \$745

Includes name badge, Expo Hall President's Reception, Technical Program, Panel Sessions, Business Session, President's Luncheon, Expo Access, Expo Hall Morning Breaks, Expo Hall Lunch, and a CD ROM of Proceedings. Authors should register for FULL - MEMBER REGISTRATION at a reduced rate of \$445. Select SNAME MEMBER from the Reg Type field and FULL REGISTRATION from the Event Fees field when registering online. (authors will be recognized automatically).

### FULL - NONMEMBER REGISTRATION

**FEES:** Early (prior to October 1) \$845; Onsite \$945

With the completion of a membership application, Nonmember Registration includes a full year of SNAME Membership (pending completed application and approval by Application Committee) and the benefits of FULL-MEMBER REGISTRATION. Select NON MEMBER from the Reg Type and FULL REGISTRATION from the Event Fees field when registering online.

### FULL - STUDENT REGISTRATION FEE: \$100

Includes all benefits of a Full Member Registration, plus Young Professionals Student Social, Student Steering Committee Meeting, Student Job Fair, Student Congress and Design Competition, and a complimentary Annual Banquet Ticket. Select STUDENT from the Reg Type field and FULL REGISTRATION from the Event Fees field when registering online.

### FULL - NONMEMBER STUDENT REGISTRATION FEE: \$135

Nonmember registration includes a full year of SNAME Student Membership and the benefits of full Student Registration. Select NONMEMBER STUDENT from the Reg Type field and FULL REGISTRATION from the Event Fees field when registering online.

### ONE DAY REGISTRATION

**FEES:** Member \$445; Nonmember \$645

Registrants are provided with a full one-day access, including that day's Technical Program, Panel Sessions, Expo Access, Expo Hall Morning Breaks, a name badge, and a complete CD-ROM of Proceedings. If you register for Thursday Only the Expo Hall Boxed Lunch is included. If you register for Friday Only the President's Luncheon is included.

Select MEMBER/NONMEMBER/STUDENT as appropriate from the Reg Type field and the day you wish to attend from the Event Fees field when registering online.

### SINGLE COURSE REGISTRATION

**FEES:** Member \$210; Nonmember \$410

Registrants for a single course will receive a Continuing Education Certificate for the course taken. Nonmember Course Registration includes a full year of SNAME Membership (pending completed application and approval by Application Committee). Select MEMBER/NONMEMBER/STUDENT as appropriate from the Reg Type field and the course you wish to attend from the Sessions field when registering online.

### SPOUSE/COMPANION REGISTRATION FEES: Member \$75

Feel free to bring your spouse or a guest for a small additional charge - includes a Name Badge, and access to the Expo Hall President's Reception, and Expo Hall Morning Breaks.

Select SPOUSE/COMPANION REGISTRATION from the Event Fees field when registering online.

**METHOD OF PAYMENT:** \_\_\_\_\_ Check (Payable to SNAME and mail to SNAME c/o New Wave Media, 118 East 25th St. 2nd floor, New York, NY 10010)  
Credit Card: \_\_\_\_\_ VISA \_\_\_\_\_ Mastercard \_\_\_\_\_ AMEX  
Acct # \_\_\_\_\_  
Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_  
Cancellation Policy: requests for refunds will be honored through 10/1/2010. A \$40 Cancellation Fee will be deducted from all refunds and will be issued after the meeting. No refunds will be granted after 10/1/2010

**Full Name:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Country:** \_\_\_\_\_

**Email:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

**If you wish to pay by check, please make all checks payable to SNAME and mail to: SNAME c/o New Wave Media, 188 East 25th Street, 2nd Floor, New York, N.Y. 10010**

# NETWORKING EVENTS



## POWERFUL OPPORTUNITIES

### GOLF CHALLENGE

Arrive early and plan to golf with colleagues, friends and customers. Take advantage of this casual opportunity to connect with other golfers and industry contacts. The best part is that all proceeds from the outing benefit the SNAME Student Scholarship fund.

### PRESIDENT'S RECEPTION

Embark on your conference experience, reconnect and have fun at the President's Reception. This gathering is an excellent networking opportunity and will set the tone for two days of essential career development, exchange of ideas, technical presentations and interaction critical for you to navigate the challenges of today's maritime industry.

### ANNUAL BANQUET

The SNAME Annual Banquet is always a highlight of the Annual Meeting. Preceded by a hearty and well-attended reception, the banquet is the cornerstone of Annual Meeting activities. Good food, fine wine, and the fellowship of SNAME members from around the world combine to make the banquet a can't-miss event. The Banquet is where SNAME presents its prestigious awards. SNAME medals to be presented at the 2010 Annual Meeting Banquet include the David W. Taylor Medal, the Vice Admiral "Jerry" Land Medal, and the Davidson Medal. The Banquet will conclude with the remarks of the 2010 Annual Banquet Keynote Speaker, Fred Harris, President of GD NASSCO.

### PRESIDENT'S LUNCHEON

All hands on deck as President Keith Michel recognizes the numerous contributions made by Society members and Students. As a networking event, the luncheon brings everyone together on the final day of the conference, and celebrates our Society and those who dedicate their time and talents to the future of the industry.

### SNAME REGATTA

Sailing returns to the 2010 SNAME Annual Meeting with the Second Annual SNAME Cup Regatta on Saturday, November 6, 2010. This year, the regatta will be held on the waters of Lake Washington where we will sail out of Meydenbauer Bay Yacht Club, one mile from the meeting hotel. The races will be held in 26' Thunderbirds, a boat indigenous to the Pacific Northwest. Racing will take place on Saturday and will feature three-to-five buoy races followed by a short distance race north on the lake to our dinner destination. Additional details as well as the Notice of Race will be available on [www.SNAME.org](http://www.SNAME.org) in the coming weeks. Don't miss this great opportunity to experience sailing and celebration Pacific Northwest style.



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*"All men by nature  
desire knowledge"  
-Aristotle*

# GENERAL INFORMATION



## THE HYATT REGENCY BELLEVUE

Step into the sophisticated Hyatt Regency Bellevue on Seattle's desirable Eastside and let an air of elegant tranquility wash over you. Rich woods, natural finishes and luxurious fabrics set the tone for an exceptional guest experience. Fresh from a \$185 million expansion that unveiled a stunning new guest tower and the addition of more than 53,000 square feet of event space, our Bellevue hotel boasts a premier location for both work and play.

Just 20 minutes from Sea-Tac International Airport and nine miles east of Seattle, our AAA Four Diamond Bellevue Washington hotel serves as an anchor within the trendy Bellevue Collection. Stroll through connecting sky bridges and discover more than 250 shops, 45 restaurants and lounges and plenty of entertainment options harbored inside this chic urban streetscape. Whether you want to explore the nearby wine country or conquer the great outdoors, start your adventure at the luxurious accommodations, of the Hyatt Regency Bellevue.

The SNAME Annual Expo & Meeting will take place in the spacious 70,000 square feet of state-of-the-art event space right inside the Hotel.

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Bellevue, Washington, USA 98004-4272  
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Government Discount Code: SNAGOV1110  
(applicability verified at check-in)  
Student Discount Code is available through Alana Anderson  
aanderson@sname.org

## SPONSORS



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thank you!



thank you!



## BELLEVUE AT A GLANCE

Escape to the green, clean, wildly sophisticated frontier of Bellevue, WA. within the of the Pacific Northwest. Nestled between two mountain ranges on the shores of glittering Lake Washington, Bellevue is just 17 miles from Seattle-Tacoma International Airport and nine miles from Seattle.

Safe and easily accessible, downtown Bellevue is a vibrant fusion of welcoming hotels, restaurants, nightclubs, culture, recreation and Meydenbauer Convention Center all located six square city blocks. A relaxed natural setting with big-city amenities, we're surrounded by innovative global corporations and three national parks. Bellevue boasts the most upscale shopping experience on the West Coast, north of San Francisco.



## SEA - TAC AIRPORT

The Pacific Northwest's aviation hub is Seattle-Tacoma International Airport (Sea-Tac) serving over 40 airlines including 11 international. Access to Bellevue for guests and exhibitors couldn't be easier. Bellevue is just 17 miles north of Seattle-Tacoma International airport. Two interstates and one state route lead directly to Bellevue. Meydenbauer Center is just off of Interstate 405 at exit 13A- NE 4th Street in Bellevue.

## CONFERENCE / EXPO ATTIRE

Business- Annual Banquet ONLY (Thurs. evening, separate, ticketed event) Business Casual - All other events.

For complete education,  
networking & registration information  
please visit [www.sname.org](http://www.sname.org)

THE SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS  
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