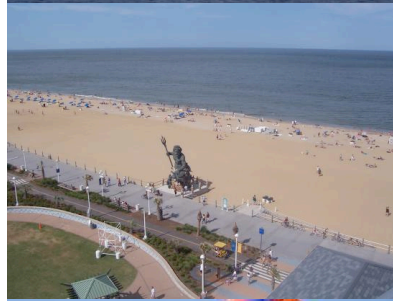


CHESAPEAKE BAY REGIONAL CONFERENCE ON MASS PROPERTIES OCTOBER 8, 9 and 10, 2009



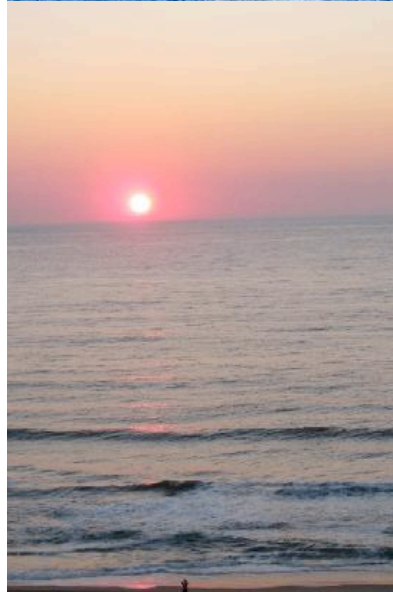
**Conference site...
Hilton Virginia
Beach Oceanfront
3001 Atlantic Avenue
Virginia Beach, VA 23451**



Historical Sites - Virginia Beach isn't just the largest resort city in the world, it's more than the record holder for the longest pleasure beach in the world. Virginia Beach is THE place where the first permanent settlers set foot in the new world. On April 26th, 1607, the colonists who founded Jamestown came ashore at a spot near the mouth of the Chesapeake Bay at Cape Henry, (just north of the resort area).



Museums - Old Coast Guard Station, Virginia's Aquarium, Contemporary Art Center, The DeWitt Cottage, and the list goes on.



Sightseeing Tours - Taking a tour is the fastest and most comfortable way to learn about Virginia Beach, Oceana Naval Air Station, Norfolk, Williamsburg or another of our area attractions.



Amusements and Amusement Parks - Whether you are looking for an old fashioned pinball arcade, a creepy haunted house or maybe Busch Gardens - we've got lots of fun things to see and do! Putt Putt golf, water parks, parasailing, boat cruises, you name it! You couldn't do it all if you stayed here for a full year!



Society of Allied Weight Engineers
*Serving the Aerospace - Shipbuilding
- Land Vehicle and Allied Industries*

CHESAPEAKE BAY REGIONAL CONFERENCE ON MASS PROPERTIES

October 8 – 10, 2009
The Hilton Virginia Beach Oceanfront
Virginia Beach, VA 23451

CONFERENCE SCHEDULE

The conference consists of three full days of events. The first day, October 8th, features training, the SAWE Conference Planning meeting, and a Users Group Meeting/Training for ShipWeight Software. The second day, October 9th, is dedicated to technical sessions of interest to the marine and aerospace industries in areas such as lightweight materials, tools and processes, and topics of general interest to the mass properties profession. This day will also offer vendor exhibits featuring the latest commercial products for the mass properties market. The last day, October 10th, will feature additional training courses in mass properties validation and control. Details can be found using the links provided under “Conference Announcement and Registration Information Attachments.” **Conference Registration Deadline is October 2, 2009, except for the Systems Engineering Training Class which is September 18, 2009.**

Conference Announcement and Registration Information Attachments

- Registration Information
- Invitation to Exhibitors
- Call for Papers
- 69th Annual International Conference Planning Meeting
- Schedule of Events
- Training Program
- ShipWeight Users Group

CONFERENCE REGISTRATION FEES

(Includes continental breakfast and lunch for each session)

	ShipWeight Users Group Meeting	Technical Sessions	Training Sessions		Conference Planning Meeting (Members Only)
			Systems Engr. Class	All Others	
Member	\$90	\$100	\$200	\$180	\$60
Non-Member	\$90	\$145	\$200	\$200	N/A
Retiree / Student	\$90	\$ 80	\$ 80	\$ 60	
Exhibitor	\$90	\$500*	\$200	\$180	
Presenters	\$90	Free	\$200	\$180	

***NOTE: Includes free registration for one representative**

Inquiries regarding conference content should be made to:

2009 Chesapeake Bay Regional Conference Chairmen:
William Boze, Telephone: 757-688-9884, E-mail: w.boze@ngc.com

OR

Alan Titcomb, Telephone: 757-688-9954, E-mail: Alan.Titcomb@ngc.com

Inquiries regarding “Registration” should be made to:

Randy Long, Telephone: 757-688-2575, E-mail: Randy.Long@ngc.com

OR

Cheryl Park, Telephone: 757-688-3856, E-mail: Cheryl.Park@ngc.com

REGISTRATION Information

The Hilton Virginia Beach Oceanfront
3001 Atlantic Avenue
Virginia Beach, VA 23451
1-757-213-3000

Conference Registration Deadline is October 2, 2009, except for the Systems Engineering Training Class which is September 18, 2009.

Important Notes:

- Conference Registration *does not include* hotel reservations.
- Non-SAWE Members please use Non-Member Registration (information found on SAWE.org).

Hotel Reservations

- Call 1-757-213-3000 (direct) or visit the web site at: www.hiltonvb.com.
- Specify Group Code **ISA** to get the room rate of \$139.00 plus state, local and occupancy taxes.
- Special room rate is available until either September 18th, or the limit for the block of rooms is reached.
- This rate is good from two days preceding the conference and two days after the conference based on availability.
- In the event that a guest must cancel a confirmed reservation, no penalty will result if notice is received 72 hours prior to arrival, and a cancellation number is attained. If the reservation is not cancelled by this time, one night room and tax deposit is forfeited.
- Be advised that hotel check-in is 4:00 PM and check-out is 11:00 AM.

Airport and Transportation Information

Norfolk International Airport (**ORF**) is the recommended airport for the conference. It is approximately 19 miles from the hotel. There are no courtesy shuttles available to the hotel. Transportation options are:

- Rental cars (all major car rental companies are available at the airport)
- Taxis to/from the hotel at a cost of \$35 to \$40 each way
- Airport shuttle operated by Carey Transportation will service the Virginia Beach hotels for \$40 for one person one-way plus \$5 for each additional passenger. The shuttle can be found outside the baggage claim at the booth marked "Airport Connection." Their phone number is (866) 823-4623 (toll free) for advanced reservations.
- Airport shuttle operated by Norfolk Airport Express will charge \$38 each way through www.norfolkairportexpress.com. You can make reservations through the website using the discount code "SAWE" or you can call them at (877) 455-7462.

NOTE: Prices are subject to change.

For driving directions to and from the Hotel, visit: www.hiltonvb.com and look under "Directions & Transportation."

Parking Information

- Self parking (complimentary) for overnight hotel guests is available in the parking garage across the street from the hotel.
- Valet parking for overnight hotel guests is available at a cost of \$11.00 per night.
- Non-hotel guests, attending the conference for the day, can Valet Park free.
- Non-hotel guests, attending the conference for the day, can self-park in the garage and are subject to city rates of \$8.00 maximum for the day. (This price is subject to change.)

2009 Chesapeake Bay Regional Conference Training Program

Thursday, October 8th:

Class: INCOSE Systems Engineering Handbook Tutorial

Instructor: John Clark, Chief Engineer at the Northrop Grumman Information Systems Sector and Director of Education & Training for the INCOSE Hampton Roads Area Chapter

Starts: 8:00 AM
Ends: 5:00 PM
Room: Princess Anne

Course Description: Interested in receiving your International Council on Systems Engineering ([INCOSE](#)) Systems Engineering (SE) certification? SAWE is hosting a tutorial on the INCOSE SE Handbook in preparation for the INCOSE SE certification exam. The tutorial covers the Certified Systems Engineering Professional ([CSEP](#)) process and the SE Handbook version 3.1 (the basis for the CSEP exam). It also provides tips on filling out your application. The appendices will not be covered. Course materials include the SE Handbook, tutorial slides, and sample questions. A certificate of completion is provided.

Saturday, October 10th:

Class: Ship Inclining Experiment (Class size limited to about 25 students)

Instructor: William A. Fox, Alion/JJMA, Inc. (retired), and SAWE Fellow

Starts: 8:00 AM
Ends: 5:00 PM
Lunch: Provide Downtown Norfolk
Room: Albermarle, and off-site (**Transportation to and from the inclining site to be provided**).

Course Description: The objectives of the class are to provide the student with an introduction to the principles of naval architecture and to marine terminology, and to discuss and demonstrate the inclining of a vessel to determine its weight and center of gravity. ASTM F 1321-90, Standard Guide for Conducting a Stability Test, will be used as a text for this class. Following the classroom session, the class will travel to, and board a vessel for a practical demonstration of an inclining. A brief light ship survey will be completed, drafts and specific gravity of the water will be taken, and inclining weight will be moved to obtain a plot of tangents and inclining moments. The resulting data will be processed and the vessel's light ship displacement and centers of gravity will be determined at the conclusion. The class will conclude with a short open-book test and exercise to confirm that the student has gained an understanding of the theory and practice of inclining a vessel.

Basic calculators will be needed for examples and exercises. Students should wear casual clothes and rubber-soled shoes, as they will be boarding a vessel.



Saturday, October 10th (continued)

Class: Marine Weight Control & Weight Estimating Methodology

Instructor: Dominick Cimino, NAVSEA Technical Director Weight Control & Stability, SAWE Government Industry Co-chair and SAWE Fellow.

Starts: 8:00 AM

Ends: 5:00 PM

Room: Courtney Terrace

Class Description:

The class will be split into two portions: One on Weight Control and the other on Weight Estimating. The Weight Control portion will progress from an in-depth review of the fundamentals of Weight Control, through how to identify location of weight margins for Naval surface ships, ending with a presentation on Submarine weight control and stability. The processes covered in the class include how and when weight estimates are prepared; how design and building weight margins are established; and how to track weight trends. The class will describe the appropriate weight control for the life cycle of the ship from early stage design through deactivation for ships under NAVSEA cognizance.

SCHEDULE OF EVENTS

Thursday, October 8, 2009 – Training Session

7:00 – 9:00	Continental Breakfast – Cottage Row (near elevators)
7:30 – 5:00	Registration – Cottage Row (near elevators)
8:00 – 4:30	SAWE Planning Committee Meeting , Site: Courtney Terrace
8:00 – 4:30	SAWE Planning Committee Meeting Breakout Sessions , Ferebee Boardroom
4:30 – 5:00	SAWE Executive Committee Meeting (Tentative) , Site: Courtney Terrace
10:10 – 10:50	BREAK (Cottage Row)
8:00 – 5:00	ShipWeight Users Group/Training , Site: Princess Anne <i>Instructor: BAS Engineering</i>
8:00 – 5:00	INCOSE Systems Engineering Handbook Tutorial , Site: Albermarle <i>Instructor: John Clark</i> , Northrop Grumman Information Systems
12:00 – 1:00	LUNCH / Salacia Dining Room
3:00 – 3:30	BREAK (Cottage Row)

Friday, October 9, 2009 – Morning Technical Session – Peacock Ballroom “C”

7:00 - 9:00	Continental Breakfast – Cottage Row (near elevators)
7:30 – 5:00	Registration – Cottage Row (near elevators)
7:30 – 5:00	Vendor Exhibits
8:00 – 8:20	Introduction
8:20 – 9:00	New Mass Properties Engineer’s Aerospace Ballasting Challenge Facilited by the SAWE Community – Amanda Cutright, Brendan Shaughnessey, NASA Langley
9:00 – 9:45	Broader Examination of Quantifying Uncertainty and Risk in Vehicle Mass Properties throughout the Design Development Phase – William Boze, Northrop Grumman Shipbuilding
9:45 – 10:15	BREAK (Cottage Row)
10:30 – 11:15	Parametric Mass Estimating Relations for Mars Entry, Descent, and Landing – Jamshid Samareh, NASA, LARC
11:15 – 12:00	Guesstimation – Dr. Lawrence Weinstein, Old Dominion University
12:00 – 1:15	LUNCHEON BUFFET (Peacock Ballroom “C”) Luncheon Presentation – SNAME /SAWE Small Boat Design Competition – William Boze, Northrop Grumman Shipbuilding

Friday, October 9, 2009 – Afternoon Technical Session — Princess Anne Room

1:30 – 2:15	Cellular Structures – Y. Murty, CMI, Inc.
2:15 – 3:00	HSLA 115 – Kevin Stefanik, Concurrent Technologies Corp.
3:00 – 3:30	BREAK (Cottage Row)
3:30 – 4:15	The Use of Inferential Statistics in Ships’ Stability Analysis – Melissa Cooley and David Hansch, Northrop Grumman Shipbuilding
4:15 – 5:00	Proposed Shipboard Weight Survey Practice – Adam (AJ) Bierbauer, Northrop Grumman Shipbuilding

SCHEDULE OF EVENTS

Saturday, October 10, 2009 – Training

7:00 – 9:00	Continental Breakfast (Cottage Row)
7:30 – 10:00	Registration – Cottage Row (near elevators)
8:00 – 5:00	Ship Inclining Experiment (Class size limited to about 20 students), Site: Albermarle and off-site <i>Instructor: William A. Fox, Alion/JJMA, Inc.</i>
8:00 – 5:00	Marine Weight Control & Weight Estimating Methodology , Site: Courtney Terrace <i>Instructor: Dominick Cimino, NAVSEA</i>
10:10 – 10:50	BREAK (Cottage Row)
12:00 - 1:00	LUNCH (Location to be Announced)
3:00 – 3:30	BREAK (Cottage Row)