



National Shipbuilding Research Program

Program Update

Environmental
Panel Meeting

June 23-25, 2009

Ketchikan, AK

Program Funding and Ops: 2009 & beyond

- **FY 2009 Funding**

- PEOs (Ships, Carriers) have committed \$4.5M – *on board*
- \$700K for Documents for Ship Cost Reduction (Specs initiative)
- \$500K for Naval Engineering Education initiative (COMNAVSEA)
- \$710K for SecNav 'Culture of Quality' study (Asst SecNav for RDA)

- **ECB Spending Decisions To Date**

- Phase 2 of ongoing major (RA) projects
- Shipyards' engagement in Navy Product Data Initiative
- New round of panel projects (11/08 selection)
- SecNav Study and SEEC initiative
- Some standby panel projects- Approved

Standby Panel Projects

Standby List

Project	Participants	Panel	NSRP Funding
Pilot Tool for Linking Ship Design to Shipyard Simulation	Mississippi State University, ShipConstructor USA, VT Halter, Bollinger, Bender Shipbuilding, Todd Pacific, Atlantic Marine, Northrop Grumman - GC	SPPT	\$98,813
Comparison of SAW and Tandem Electrode Gas Shielded Processes for Productivity and Distortion in Thin Panel Butt Joints for Thin Panel Structures	Todd Pacific Shipyard, Nassco, CD-adapco, Weaver Engineering, Dwight Laboratories, Machinists Inc., ESAB, Wolf Robotics, Abicor Binzel Corp.	Welding	\$100,000
Cost-Effective Specifications and Requirements Definition	ABS, NASSCO, BIW, NGSB, Bollinger, Victoria Dlugokecki, Malone Consulting, Tedesco Consulting	PDMT	\$100,000

- Standby projects have been approved by the ECB.

Recent Navy Tasking

- **Shipbuilding Engineer Education Consortium (SEEC)**
- **SEEC Task Statement**
 - “Develop an overarching concept strategy for educating engineers across the spectrum of engineers in NAVSEA and the shipyards. Explore issues such as best practices in engineering education, research projects, scholarship focus, curricula development and staff retention as applicable to the shipbuilding engineering work across the ship lifecycle (e.g., concept studies, design, construction, maintenance, repair, disposal). Develop the viability and operational concepts of a consortium to coordinate and execute this strategy.”
- **Briefed to ECB, final deliverable to Navy this month**

Documents for Ship Cost Reduction

- **NAVSEA working on**

- Shock
- Vibration/Noise (*New SOW being reviewed by SYs*)
- Welding (NVR Chp 8, MIL-STD-1689, -278)
- Motors (MIL-M-17060)
- Switchgear
- MIL-STD-777 Schedule of Piping
- Electromagnetic Interference & Environmental Effects
- Radar Engineering

- **Over 30 Industry visits made so far**

- Visits will be announced via ATI to the Shipyard POC – ensures logistics are in place

- **All activities in “Risk Analysis” phase (except Shock)**

Recent Meetings & Events

<u>Dates</u>	<u>Event / Location</u>	<u>Comments</u>
Apr 30	ISE-6 Demo; NPDM Mtg <i>Washington D.C.</i>	
May 6-7	Shipyard Prod'n, Business, Systems Product Design & Mat'l, & Crosscut Meeting Initiatives <i>San Diego, CA</i>	Joint Panel
June 9	ECB Meeting <i>Washington D.C.</i>	
JUNE 18	Electrical Technologies <i>Washington D.C.</i>	Panel Meeting
June 10-11	Facilities, Tooling & Risk Management <i>New Orleans, LA</i>	Panel Meeting

Upcoming Meetings & Events

<u>Dates</u>	<u>Event / Location</u>	<u>Comments</u>
June 16-18	Environmental Technologies <i>Ketchikan, AK</i>	Panel Meeting
Sept 15-17	NSRP All-Panel Meeting <i>Philadelphia, PA</i>	Joint Panel Meeting
Oct 21-23	SNAME Maritime Technology Conference & Expo <i>Providence, RI</i>	NSRP Booth

All Panel Meeting DRAFT Agenda

September 15, 2009

7:30AM – 8:00AM	Continental Breakfast Provided	
8:00AM – 8:10AM	Welcome / Intro Remarks	ATI or Panel Chair
8:10AM – 8:40AM	What are the current priorities for Navy? What impacts has the change in Administration had on the Navy/industry?	Navy representative
8:40AM – 9:10AM	NSRP Overview from the ECB	ECB member
9:10AM – 12:00PM	Individual Panel Briefs	Panel Chairs
9:10AM – 9:25AM	Ship Production Process Technologies Panel Overview	Tonya Boney, Panel Chair
9:25AM – 9:40AM	Business Process Technologies Panel Overview	Ken Clarke, Panel Chair
9:40AM – 9:55AM	Systems Technology Panel Overview	Burt Gischner, Panel Chair
9:55 – 10:15AM	Break	
10:15AM – 10:30AM	Product, Design and Materials Technologies Panel Overview	Dave Wood, Panel Chair
10:30AM – 10:45AM	Facilities, Tooling & Risk Management Panel Overview	Jack Shea, Panel Chair
10:45AM – 11:00AM	Welding Technology Panel Overview	Lee Kvidahl, Panel Chair
11:00AM – 11:15AM	Environmental Panel Overview	Wayne Holt, Panel Chair
11:15AM – 11:30AM	Crosscut Initiatives Panel Overview	Larry Gebhardt, Panel Chair
11:30AM – 11:45AM	Surface, Preparations & Coating Panel Overview	Steve Cogswell, Panel Chair
11:45AM – 12:00	Electrical Technologies Overview	Gary Zimak, Panel Chair
12:00 – 1:00PM	Lunch	
1:00PM – 5:00 PM	Track 1: Design for Production	Track 2: Workforce Training & Retention
5:00PM	Adjourn	

All Panel Meeting DRAFT Agenda

September 16, 2009

7:30AM – 8:00AM	Continental Breakfast Provided	
8:0AM – 12:00PM	Track 1: Automation	Track 2: Safety/Environ Regulatory Impacts
8:05AM – 8:55AM	Automation #1	Safety/Environ Regulatory Impacts #1
9:05AM – 9:55AM	Automation #2	Safety/Environ Regulatory Impacts #2
9:55AM – 10:10AM	Break	
10:10AM – 11:00AM	Automation #3	Safety/Environ Regulatory Impacts #3
11:00AM – 11:50PM	Automation #4	Safety/Environ Regulatory Impacts #4
11:50PM – 1:00PM	Lunch (Provided)	
1:00PM – 3:00PM	Tour Group #1	Panel Discussion / alternate session
3:00PM – 5:00PM	Tour Group #2	Panel Discussion / alternate session

All Panel Meeting DRAFT Agenda

September 17, 2009

7:30AM – 8:00AM	Continental Breakfast Provided	
8:15AM – 5:00PM	Individual Panel Breakouts	
8:15AM- 12:00PM	Ship Production Process Technologies and Facilities, Tooling & Risk Management Panel Breakout	Tonya Boney and Jack Shea
8:15AM- 12:00PM	Systems Technology Panel Breakout	Burt Gischner
8:15AM- 12:00PM	Crosscut Initiatives Panel Breakout	Larry Gebhardt
8:15AM- 12:00PM	Environmental Technologies Breakout	Wayne Holt
8:15AM- 12:00PM	Business Process Technologies Panel Breakout	Ken Clarke
8:15AM – 12:00PM	Product, Design & Materials Technologies Breakout	Dave Wood
8:15AM – 12:00 PM	Welding Technology Panel Breakout	Lee Kvidahl
8:15AM- 5:00PM	Surface Preparations & Coatings Panel Breakout	Steve Cogswell
8:15AM – 5:00PM	Electrical Technologies Panel	Gary Zimak

For More Information -- *New, Improved** Website!

www.nsrp.org

The screenshot shows the homepage of the National Shipbuilding Research Program (NSRP). At the top, the logo features an American flag and the text "NATIONAL SHIPBUILDING RESEARCH PROGRAM" and "ADVANCED SHIPBUILDING ENTERPRISE". Below the logo is a search bar and the tagline "Reducing Naval Ship Construction & Repair Costs".

On the left side, there is a navigation menu with the following items: Home, About Us, Project Information, Ship Production Panels, Events, Industry Initiatives, Key Downloads, Links, and Contact Us. Below the menu is a "Quick Links" section with categories: Solutions, Small Business Opportunities, Navy Product Data Initiative, Project Information Requests, and Strike Up/Strike Down.

The main content area features a large image of a "Perable Automated Bulkhead Straightener" with the caption "Perable Automated Bulkhead Straightener Demos a Success... more". Below this is a "Major Program Initiatives" section with six categories: Shipyard Production Processes, Systems Technology, Business Process Technologies, Product Design & Materials Technology, Facilities, Tooling & Risk Management, and Crosscut Initiatives. Each category has a small representative image.

Below the initiatives is an "About NSRP" section with a paragraph: "The National Shipbuilding Research Program was created to reduce the cost of building and maintaining U.S. Navy warships. NSRP is a collaboration of 13 major U.S. shipyards focused on industry-wide implementation of solutions to common cost drivers (for more information, click on map below)".

At the bottom of the main content area is a map of the United States titled "NSRP ASE" (Advanced Shipbuilding Enterprise) showing the locations of participating shipyards. The map includes logos for various shipyards such as Ingalls, Bath Iron Works, and others.

At the bottom of the page, there are links for Home, Links, Site Map, and Privacy Policy.

Questions?