

NSRP

National Shipbuilding Research Program

News & Information

Feb-Apr 2016

Panel Project Solicitation Issued

On April 4, 2016, the National Shipbuilding Research Program (NSRP) issued a solicitation for panel R&D white papers. Additionally, the Panel Project Guide, which contains details on the white paper review and selection process, contracting requirements and formatting guidelines, has been revised to correspond with this solicitation.

The deadline for Panel Chairs and Ad Hoc Groups to submit to SCRA those white papers which have been reviewed and selected for submission by their respective panels, as well as a **completed White Paper Submission form**, is August 3, 2016.

For more information regarding white paper submission and project selection process please visit NSRP.org.

Featured Project

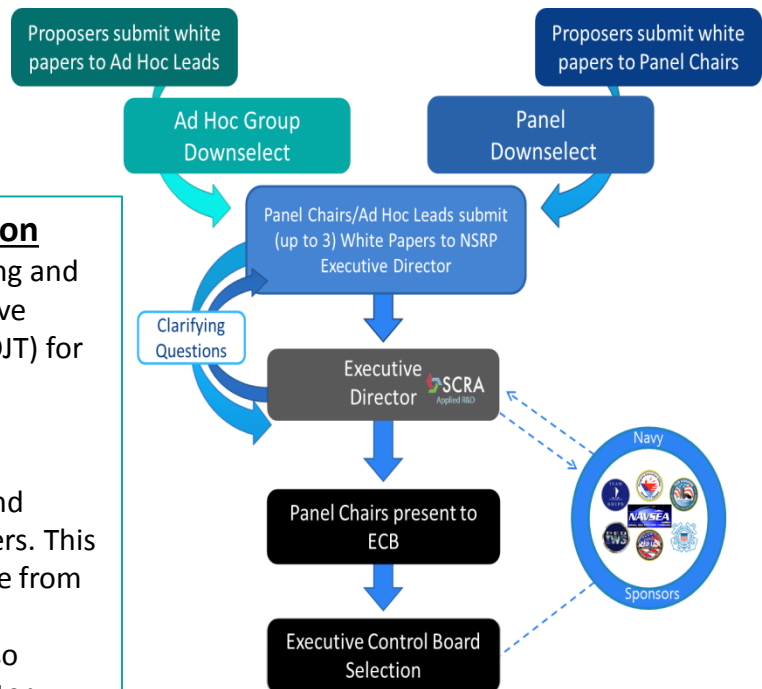
Learning & Development Innovation

The objective of this project is to apply existing and commercially accessible technology to improve current approaches to On-the-Job-Training (OJT) for shipbuilding crafts.

As part of this project's three-part approach, everyday work tasks are captured on video and made available in real-time to shipyard workers. This on-the-job technology is a dramatic departure from the current practice and may improve the proficiency of lower tier craft managers. It also allows the corporate memory of Subject Matter Experts (SME) and Master Shipbuilders to be preserved for the future, which are areas of concern for most shipyards'.

Training videos can be viewed online at:

<http://www.nsrp.org/project-spotlight/>



More Program News 

RECENT PROJECT NEWS

Mitigation of Stress Corrosion Cracking, Cavitation Erosion, & Forming Complex Shapes Using Laser Peening – The project team recently held their project kickoff meeting at the Curtiss-Wright offices in Livermore, CA. The team will evaluate the benefits of applying laser peening technology to shipyard construction and repair issues that include: mitigation of corrosion cracking of sensitized aluminum, mitigation of cavitation erosion, and formation of complex metal (non-ferrous) geometries.

In Service Ship Re-Documentation – The project team recently completed Phase II which included configuration of the pilot environment and development of the test scripts for a digital process that will provide cost effective Product Life Cycle support for in-service ships.

Evaluation of Integrated Cold Electrode (ICE) Welding Technology - The project will have a final demonstration at Feeney Shipyard in Kingston, NY on May 25. Event information will be posted to the website soon.

The High Mobility Manufacturing Robot – The project recently transitioned to Phase III to design and prototype a mobile robotic manufacturing platform that can operate inside small compartments and transition between decks, bulkheads, and overheads. Previous phases included the development of platforms that can accomplish surface preparation tasks on decks and transition stiffeners on a panel line to accomplish fillet welds. [View a demo](#) of the mobile robotic platform.

Virtual Reality Based Training – The project will hold a technology demonstration of VR grinder training at the upcoming [Joint Panel Meeting](#) in Biloxi, MS.

RECENTLY COMPLETED PROJECTS:

- [3D Modeling Standard for OEM Suppliers of GFE](#)
- [Shared Manufacturer Drawing Qualifications](#)
- [Implement Residual Mass DDAM](#)
- [HiDep Weld Tfillet and Butt Weld Development](#)
- [Design For Maintenance Training](#)
- [Mobile Robotics to Increase Welder Productivity and Weld Quality](#)
- [NAVSEA 8010 Manual Analysis and Best Practices](#)

Click on the name to view the project page on the NSRP website and to request final reports

Navy & Industry News

Austal Limited is pleased to announce construction of one additional Littoral Combat Ship has been funded by the U.S. Navy. LCS 26 will be the eleventh Independence-variant Littoral Combat Ships built by Austal as prime contractor, with the U.S. Navy exercising an option in addition to Austal's existing 10-vessel block- buy contract (3/31/16) ... [More](#)

BOLLINGER DELIVERS USCGC DONALD HORSLEY, THE 17TH FAST RESPONSE CUTTER TO THE USCG. Bollinger Shipyards has delivered the USCGC DONALD HORSLEY, the 17th Fast Response Cutter (FRC) to the United States Coast Guard (3/7/16)[More](#)

Davidson Sworn in as Under Secretary of the Navy. Dr. Janine Davidson was sworn in as the 32nd under secretary of the Navy on March 22. Davidson serves as the Navy's chief management officer and performs other duties assigned by the secretary of the Navy (3/28/16).....[More](#)



2014 US Naval Shipbuilding and Repair Industry Benchmarking Report – Part 1: Shipbuilding - has been approved for public distribution. The full report can be found on our [website](#).

On March 29, 2016, the Shipbuilders Council of America, Occupational Safety and Health Administration (OSHA) and NSRP executed an agreement establishing a collaborative relationship to foster safer and more healthful American workplaces.



ShipTech 2016 was held in Charleston, SC on March 1-2, 2016 - the first ShipTech event in over 4 years. There was a large turnout with 297 confirmed attendees and the keynotes provided good press for the program especially in the recent efforts on commonality. There were over two dozen NSRP speakers with a lot of foot traffic and interest at the NSRP booth. ShipTech will continue this biennial event and alternate years with the NSRP All Panel Meetings.

Upcoming Meetings

Planning Production Processes & Facilities

April 19-20
Portland, OR
Crowne Plaza
Convention Center
[More Info](#)

Welding Technology

May 4-5
Bethesda, MD
Hilton Garden Inn
[More Info](#)

Joint Panel Meeting

Business Processes, Electrical,
Environmental, IT, SDMT, Workforce Dev
May 10-12
Biloxi, MS
IP Hotel Biloxi
[More info](#)

Risk Management

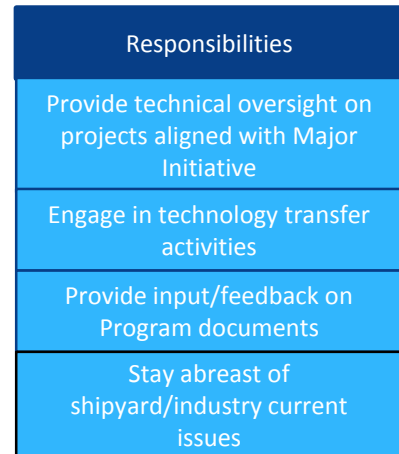
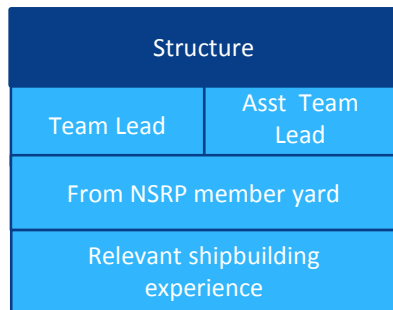
June 14-15
Newport News, VA
Newport News
Marriott
[More Info](#)

Major Initiative Team Leads

The NSRP Extended Team is comprised of individuals who are either from a U.S. shipyard or a related industry and have both relevant technical experience and interest in a Major Initiative and/or panel.

Ship Design & Material Technologies	Ship Production Technologies	Business Processes & Information Technologies	Infrastructure & Support	MITL-at-large
Lead: David Rice (<i>NNS</i>) Asst Lead: Dan Sfiligoi (<i>NASSCO</i>)	Lead: Gary Zimak (<i>NNS</i>) Asst Lead: Kirk Daniels (<i>EB</i>)	Lead: Mark Debbink (<i>NNS</i>) Asst Lead: Jeff Schaedig (<i>NASSCO</i>)	Lead: David Glynn (<i>Ingalls</i>) Asst Lead: Ryan Lee (<i>Austal</i>)	Lee Duneclift (<i>NASSCO</i>) Steve Cogswell (<i>BAE</i>) John Walks (<i>Ingalls</i>) Gene Miller (<i>BIW</i>)

Current Major Initiative Team Leads



NSRP Shipyard Delegates

NSRP Shipyard Delegates (NSD) serve as a primary point of contact for NSRP-related information flowing into and out of their shipyards. For those ECB shipyards who are not represented on the MITL slate, a qualified individual is appointed by the ECB representative from that shipyard to serve as NSD.

Newport News	NASSCO	Bollinger	Austal	Bath Iron Works
David Rice	Jeff Schaedig	Dennis Fanguy	Shawn Wilber	Sarah Bramson
Electric Boat	Ingalls	Marinette Marine	BAE Systems SE	Vigor
Maria Reis	John Walks	Greg Abbs	Steve Cogswell	Judie Blakey
		VT Halter		
		David Delancey		

NSRP

NSRP Extended Teams

February-April 2016

Panel Chairs

The eleven panels are aligned with the four NSRP Major Initiatives and focus areas of the Strategic Investment Plan, and are the working groups of NSRP.

Ship Design & Material Technologies	
Chair: Alicia D'Aurora (NNS)	Vice Chair: John Malone (Consultant)

Electrical Technologies	
Chair: Jason Farmer (Ingalls)	Vice Chair: Walter Skalniak (Panduit Corp)

Business Processes	
Chair: Virgel Smith (Ingalls)	Vice Chair: Patrick Roberts (ShipConstructor)

Environmental	
Chair: Pat Killeen (Signal)	Vice Chair: Brian McVey (Ingalls)

Ship Warfare Systems Integration	
Chair: Perry Haymon (Ingalls)	Vice Chair: Vince Stammetti (DRS)

Planning, Production Processes & Facilities	
Chair: Ken Fast (EB)	Vice Chair: Tonya Boney (Ingalls)

Information Technologies	
Chair: Denny Moore (EB)	Vice Chair: Jamie Breakfield (Ingalls)

Risk Management	
Chair: Thresa Nelson (NNS)	Vice Chair: Yaniv Zagagi (Golder)

Surface Preparation & Coatings	
Chair: Arcino Quiero (NNS)	Vice Chair: Robert Cloutier (BIW)

Note: BP/IT Panel merger in-progress

Workers Comp Committee Chair: Lauren Seals (EB)	Safety & Health Committee Chair: Frederick Davis (EB)
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Welding Technology	
Chair: Lee Kvidahl (Ingalls)	Vice Chair: Mike Sullivan (NASSCO)

Workforce Development	
Chair: Anna Bourdais (Ingalls)	Vice Chair: Ann Franz (NWTC)

Structure
Chair
<ul style="list-style-type: none"> From U.S. Shipyard Relevant industry experience
Vice-Chair
<ul style="list-style-type: none"> Relevant technical and industry experience Preferably from a U.S. Shipyard
Members
Industry and Navy stakeholders

Responsibilities
Oversee panel meetings
Provide technical oversight on panel projects
Assist in the execution of panel project solicitations
Participate in other technology transfer activities
Provide input/feedback on Program documents
Stay abreast of shipyard/industry current issues



Executive Control Board

Executive Director and Staff


For more information, contact the NSRP staff at: nsrp@scra.org

Extended Team

Major Initiatives

Ship Design & Material Technologies	Ship Production Technologies	Business Processes & Information Technologies	Infrastructure & Support
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Panels

Ship Design & Material Technologies	Electrical Technologies	Business Processes	Environmental
Ship Warfare Systems Integration	Planning, Production Processes & Facilities	Information Technologies	Risk Management
	Surface Preparation & Coatings	Note: BP/IT Panel merger in-progress	Workforce Development
	Welding Technology		

NSRP MISSION

Manage and focus national shipbuilding and ship repair research and development funding on technologies and processes that will reduce the total ownership cost of ships for the U.S. Navy, other national security customers and the commercial sector and develop and leverage best commercial and naval practices to improve the efficiency of the U.S. shipbuilding and ship repair industry.
 Provide a collaborative framework to improve shipbuilding-related technical and business processes.

