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.

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/
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.
Austral 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.

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

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

NSRP Extended Teams

February-April 2016

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**
- **Lead:** David Rice (NNS)
- **Asst Lead:** Dan Sfiligoi (NASSCO)

**Ship Production Technologies**
- **Lead:** Gary Zimak (NNS)
- **Asst Lead:** Kirk Daniels (EB)

**Business Processes & Information Technologies**
- **Lead:** Mark Debbink (NNS)
- **Asst Lead:** Jeff Schaedig (NASSCO)

**Infrastructure & Support**
- **Lead:** David Glynn (Ingalls)
- **Asst Lead:** Ryan Lee (Austral)

**MITL-at-large**
- Lee Duneclift (NASSCO)
- Steve Cogswell (BAE)
- John Walks (Ingalls)
- Gene Miller (BIW)

**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**
  - David Rice

- **NASSCO**
  - Jeff Schaedig

- **Bollinger**
  - Dennis Fanguy

- **Austral**
  - Shawn Wilber

- **Bath Iron Works**
  - Sarah Bramson

- **Electric Boat**
  - Maria Reis

- **Ingalls**
  - John Walks

- **Marinette Marine**
  - Greg Abbs

- **BAE Systems SE**
  - Steve Cogswell

- **Vigor**
  - Judie Blakey

- **VT Halter**
  - David Delancey
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.

<table>
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<tr>
<th>Structure</th>
<th>Responsibilities</th>
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<tbody>
<tr>
<td><strong>Chair</strong></td>
<td>Oversee panel meetings</td>
</tr>
<tr>
<td>- From U.S. Shipyard Relevant industry experience</td>
<td>- Provide technical oversight on panel projects</td>
</tr>
<tr>
<td><strong>Vice-Chair</strong></td>
<td>- Assist in the execution of panel project solicitations</td>
</tr>
<tr>
<td>- Relevant technical and industry experience Preferably from a U.S. Shipyard</td>
<td>- Participate in other technology transfer activities</td>
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<tr>
<td><strong>Members</strong></td>
<td>- Provide input/feedback on Program documents</td>
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<tr>
<td>Industry and Navy stakeholders</td>
<td>- Stay abreast of shipyard/industry current issues</td>
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### NSRP Extended Teams

#### February-April 2016

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<thead>
<tr>
<th>Ship Design &amp; Material Technologies</th>
<th>Electrical Technologies</th>
<th>Business Processes</th>
<th>Environmental</th>
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<tr>
<td>Chair: Alicia D’Aurora (NNS)</td>
<td>Chair: Jason Farmer (Ingalls)</td>
<td>Chair: Virgel Smith (Ingalls)</td>
<td>Chair: Pat Killeen (Signal)</td>
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<tr>
<td>Vice Chair: John Malone (Consultant)</td>
<td>Vice Chair: Walter Skalniak (Panduit Corp)</td>
<td>Vice Chair: Patrick Roberts (ShipConstructor)</td>
<td>Vice Chair: Brian McVey (Ingalls)</td>
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<tr>
<th>Ship Warfare Systems Integration</th>
<th>Planning, Production Processes &amp; Facilities</th>
<th>Information Technologies</th>
<th>Risk Management</th>
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<tbody>
<tr>
<td>Chair: Perry Haymon (Ingalls)</td>
<td>Chair: Ken Fast (EB)</td>
<td>Chair: Denny Moore (EB)</td>
<td>Chair: Thresa Nelson (NNS)</td>
</tr>
<tr>
<td>Vice Chair: Vincent Stammetti (DRS)</td>
<td>Vice Chair: Tonya Boney (Ingalls)</td>
<td>Vice Chair: Jamie Breakfield (Ingalls)</td>
<td>Vice Chair: Yaniv Zagagi (Golder)</td>
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<th>Surface Preparation &amp; Coatings</th>
<th>Welding Technology</th>
<th>Workforce Development</th>
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<tr>
<td>Chair: Arcino Quiero (NNS)</td>
<td>Chair: Lee Kvidahl (Ingalls)</td>
<td>Chair: Anna Bourdais (Ingalls)</td>
</tr>
<tr>
<td>Vice Chair: Robert Cloutier (BIW)</td>
<td>Vice Chair: Mike Sullivan (NASSCO)</td>
<td>Vice Chair: Ann Franz (NWTC)</td>
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Note: BP/IT Panel merger in-progress
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.

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