

# **NSRP Update**

## **Product Design & Materials Technologies Panel Meeting**

**Jun 5, 2007**  
**Marinette, WI**

# Program Funding and Ops: 2008

- **ECB, Navy champions seeking commitment for stable funding for FY 2008 and beyond**
- **House Armed Services Committee has completed markup of the FY08 bill**
  - No Funding Authorized
- **Senate Armed Services Committee has completed markup of FY08 bill**
  - Added \$15M for NSRP (awaiting report language)
- **Have engaged with Defense Appropriations committee staffs ... positive feedback**

# FY 2008 Congressional Action

FY 2008 Congressional Action on NSRP Funding		
	Subcommittee/Committee Action	Conference Result
House Authorization	No funding authorized	Pends
Senate Authorization	Added <b>\$15M</b> for NSRP	
House Appropriations	Has not marked yet	Pends
Senate Appropriations	Has not marked yet	

# Project Engagement with Navy PMs

*PEO reps and ECB agreed to parallel paths to improve awareness of NSRP projects by shipbuilding and repair Program Managers*

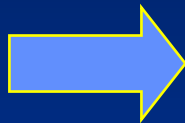
- 1. Provide a synopsis of new projects to Deputy PEOs, NAVSEA, and ECB for parallel dissemination to the program offices in Navy and at the Shipyards**
  - ✓ Done at paragraph level of detail by email
  - ✓ Next level of detail = booklet (also on website and CD)
- 2. Contracturally require project teams to engage with the respective Navy PMs**
  - ✓ Project leads tasked to report their plans for this engagement
- 3. Shipyards include NSRP work in periodic Navy program reviews**
  - NGSS and Electric Boat are coordinating a briefing for all projects their yards are involved in through established internal channels for Navy PM comms.
- 4. Include evaluation criteria in future NSRP project solicitations to communicate with Navy PMs prior to proposal submission**
  - To be included in next Research Announcement
- 5. NAVSEA NSRP office visit Navy PMs/staffs with tailored briefing**
  - ✓ Completed ID of appropriate platforms and associated PM, by project
  - ✓ 12 briefings to date; 10 more scheduled, with more to follow
- 6. Longer Term**
  - Periodic briefings (Quarterly Program Reviews, project quarterly reviews)
  - One-page sponsor briefs (quarterly, semi-annual)
  - Invitations to participate in project workshops and demonstrations
  - Presentations at conferences with strong Navy attendance (ShipTech)
  - Expanded engagement w/ Fleet Maintenance community--follow-up to newly emerging interest

# Panel Whitepaper Solicitation

- **Panel Solicitation released May 3, 2007**
  - Sufficient program funding in the next fiscal year to assure a new round of panel projects is not yet assured.
  - Recent program history and early signs of support tend to mitigate the risks associated with this funding uncertainty.
- **Deadline: Whitepaper proposals must be submitted no later than 3:00pm ET, August 16, 2007.**
- **Updated Panel Project Guide is available at the NSRP Website**  
[http://www.nsrp.org/documents/panel\\_project\\_guide.pdf](http://www.nsrp.org/documents/panel_project_guide.pdf)

# New ASE Projects

- The Executive Control Board and the Major Initiative Team Leaders convened in Charleston January 16-17 for final RA Project selection
- Eleven projects were selected:



**All on contract  
and underway**

Project Title
Shipbuilding Partners and Suppliers 601
Improved Methods for Generation of Full-Ship Simulation/Analysis Models
Improved Affordability for Composite Structures
Portable Automated Bulkhead and Hull Straightener
Enabling Shipbuilding Interoperability (ISE 6)
Shipyards Design Tool Enhancement
SHIPWAY 2.0 - Lean Best Practice for Naval New Construction and Ship Repair Business & Information Processes
Design for Producibility for Mid-Tier Shipyards
Shipbuilding and Repair Career Day Events
Gas Metal Arc Welding and Distortion Mitigation
Shipbuilding and Ship Repair Industry Initiative to Prepare For and Comply with the Residual Risk Ruling

# 2007 Panel Projects Selected

<b>Project</b>	<b>Panel</b>
<b>QA Rules for Painting Navy Ships</b>	<b>Surface Preparation &amp; Coatings</b>
<b>Hexavalent Chromium Exposure Survey</b>	<b>Facilities Tooling &amp; Risk Management</b>
<b>Qualification of SAW Procedures</b>	<b>Welding</b>
<b>Single Pass Pipe Socket Welds</b>	<b>Welding</b>
<b>Full Ship Analysis Model Generation</b>	<b>Systems</b>
<b>Shipyards Environmental Metrics</b>	<b>Environmental</b>
<b>Standardized Supply Chain Inspections</b>	<b>Business</b>
<b>Flash Rusting Acceptability for Ship Coating</b>	<b>Surface Preparations &amp; Coatings</b>
<b>Spill Prevention Rule Guidebook</b>	<b>Environmental</b>
<b>Mods for ISO Standards</b>	<b>Systems</b>
<b>STEP-NC Concept Demo</b>	<b>Shipyards Production</b>
<b>Tandem Pulsed GMAW for Stiffeners</b>	<b>Facilities, Tooling &amp; Risk Management</b>
<b>Activities-Based Cost Estimator</b>	<b>Business</b>
<b>Subcontractor Data Guidebook</b>	<b>Business</b>
<b>Improving Shipbuilding Industry Image</b>	<b>Crosscut</b>
<b>Surface Prep QA/QC Process Improvement</b>	<b>Surface Preparation &amp; Coatings</b>
<b>Spanish Translation of OSHA Tapes</b>	<b>Facilities, Tooling &amp; Risk Management</b>

# Small Business Innovation Research (SBIR)

- **Phase II award of an NSRP topic**
  - The Aptima Phase I Option (\$30K) is currently being processed
  - The Phase I Option is for Aptima to develop a Phase II plan
- **Topic 05-161 Improved Work Performance in Shipbuilding Environment**
  - Aptima, Inc – Knowledge and Experiences of Expert Labor (KEEL)
- **KEEL is aimed at technology/methodology to**
  - capture expert knowledge from our senior shipbuilding and repair technicians, supervisors, and managers
  - codify and store the knowledge in a repository system
  - facilitate knowledge recall for use in training of individuals and work teams

# Small Business Innovation Research (SBIR)

- **SBIR 7.2 Solicitation open for proposal submission – submissions due June 13, 2007**
  - includes a National Shipbuilding Research Program (NSRP) related topic.
- **The NSRP related Topic is N07-133 -- Increasing Automation in the Shipbuilding Production Process**
  - Seeks to develop innovative technologies that will increase the level of automation in common shipbuilding manufacturing processes.
  - Reduce the complexity of the work and work content of the task.

# Upcoming Meetings & Events

<u>Dates</u>	<u>Event / Location</u>	<u>Comments</u>
Jun 12-13	<i>Joint Meeting Crosscut / Facilities, Tooling &amp; Risk Mgt Newport, RI</i>	Joint Panel Meeting
Jun 20-22	<i>Environmental Technologies Bath, ME</i>	Panel Meeting
Jun 25-26	<i>ASNE Day Crystal City, VA</i>	
July 19-20	<i>Surface Prep and Coatings Jacksonville, FL</i>	Panel Meeting
July 30-Aug 2	<i>2007 Naval S&amp;T Industry Partnership Conference Washington, DC</i>	

**For More Information**

**[www.nsrp.org](http://www.nsrp.org)**

*Program info, research announcements,  
briefings, project descriptions ...*

# NAVSEA's New NSRP / ManTech Program Manager



**Jim Fowler**

**Questions?**