

Panel Project Proposal Process

Welding Technology Panel

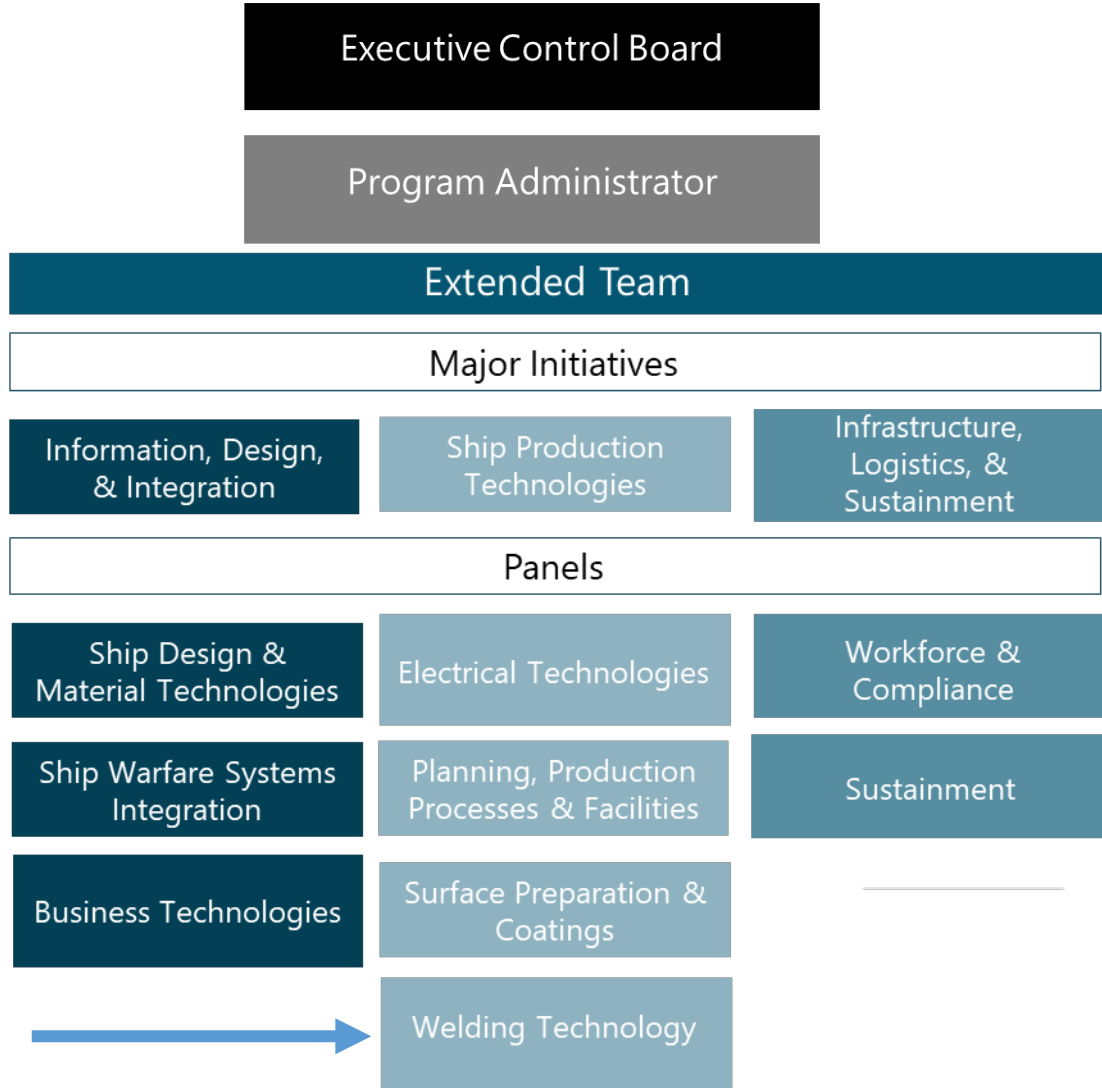
Kevin Roossinck, Panel Chair

HII – Ingalls Shipbuilding



Organization

Welding Technology Panel



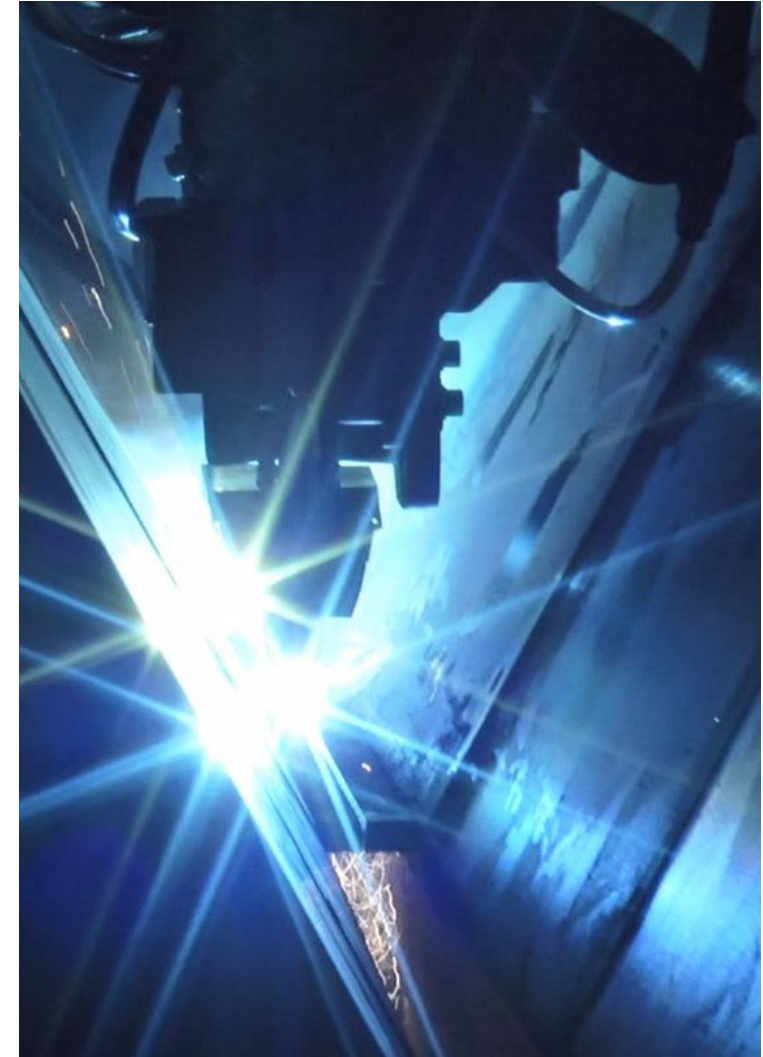
Welding Technology Panel Leadership

Panel Chair: Kevin Roossinck, Ingalls Shipbuilding

Panel Vice-Chair: Cody Whiteley, NASSCO

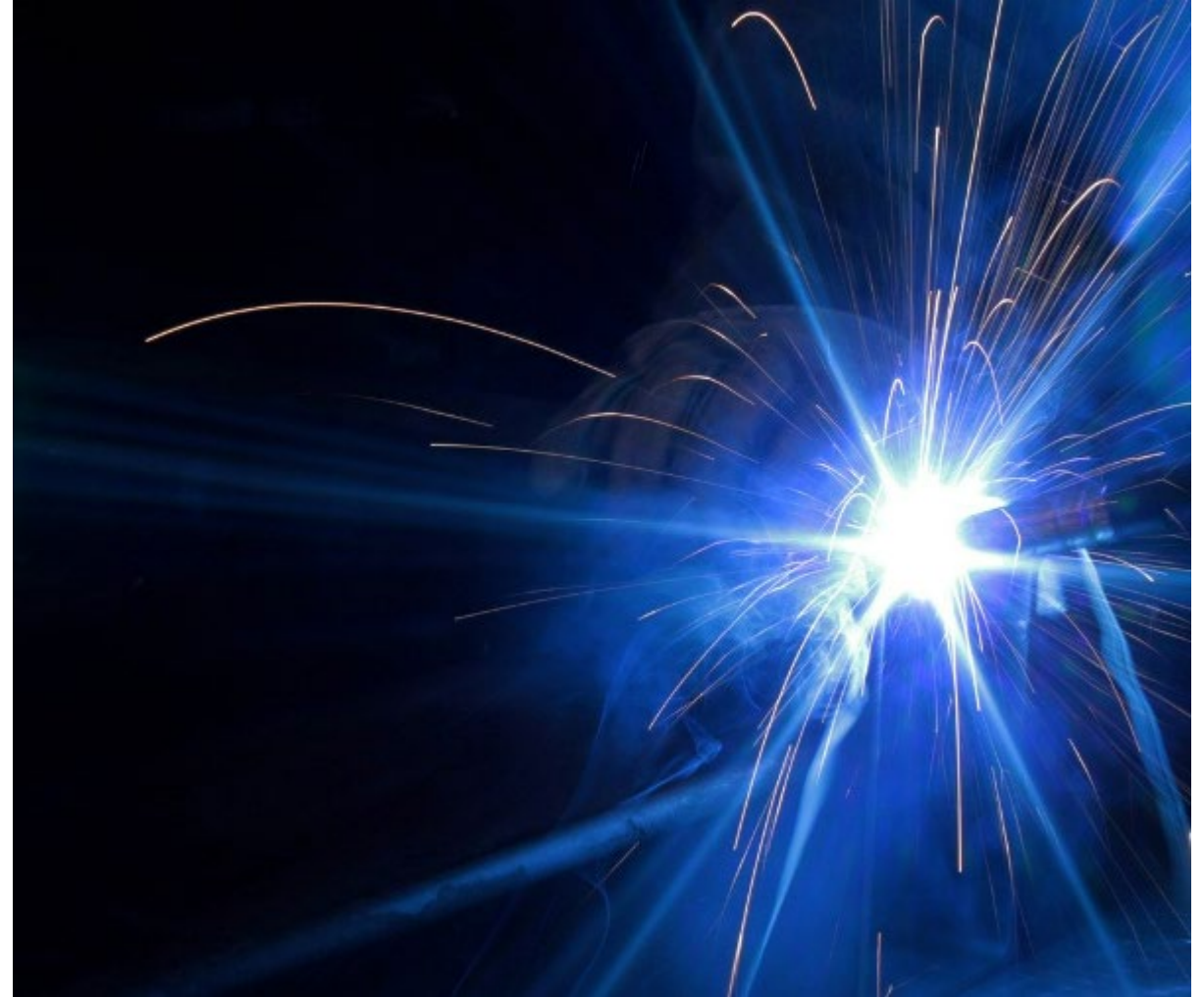
Welding Technology Panel's Mission

- Research, develop and implement technologies and efficiencies focused on welding and allied processes, including weld joint preparation, forming, post-weld heat treatment and inspection methods



Panel's Purpose

- Advance welding, joining and NDT technology and best practices applicable to shipyard production process technologies.
- Promote technology transfer and broad industry interaction in support of the NSRP mission





Technology Investment Plan (TIP) Update

- January 28-29 NSRP held a virtual workshop to update TIP guidance document.
- The SIP and TIP identify high priority issues and current industry challenges where research proposals would be of particular interest.
- Ship Production Technologies (SPT):
 1. Develop and implement Manufacturing Processes for construction, fabrication and assembly
 2. Develop and implement Manufacturing Processes for outfitting, installation and testing
 3. Improve shipyard sub-tier supplier performance with respect to quality, cost and schedule
 4. Develop and implement Automation, Robotics and Mechanization in manufacturing and inspection processes
 5. Increase knowledge and proficiency of overall workforce
 6. Develop and qualify emerging technologies
 7. Develop and implement digital shipbuilding tools for improved construction and sustainment activities
 8. Investigate improvements to standardization, commonality and modularity
 9. Improve quality, level of detail, and automation of job planning and work instructions
 10. Develop and implement Additive Manufacturing (AM) into shipbuilding and repair
 11. Develop solutions to improve installation, maintenance and efficiency of shipboard networks
 12. Develop warehousing and logistics improvements to facilitate equipment delivery

NSRP | National Shipbuilding Research Program

Technology
Investment
Plan
FY26



MISSION

◆ Employ a unique collaborative framework to research, develop, mature, and implement industry-relevant shipbuilding as well as sustainment technologies and processes, improving efficiency and throughput across the U.S. shipyard industrial base to meet demand.

<https://www.nsrp.org/resource-library/>

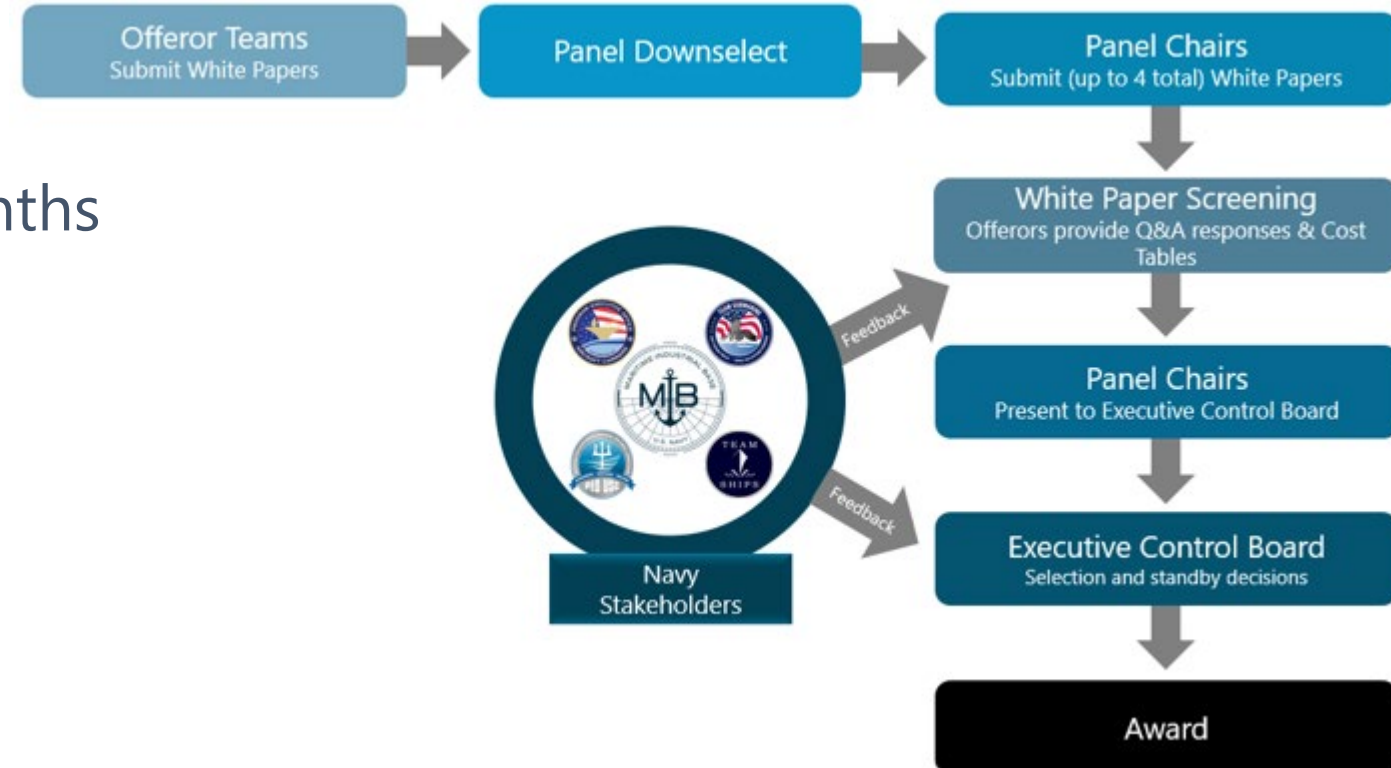
Panel Project Solicitation

Important Information

- Project funding up to \$200K
- Maximum project duration of 12 months
- Participation by at least one U.S. shipyard is required

Important Dates

- Solicitation release- **May 2026 (expected)**
- White Papers Due- **August 26, 2026**
- Panel Voting and Down Select- **Late September 2026**
- Panel Officer Presentations and ECB Selection- **November 2026**



White Paper Requirements

- No more than 3 pages (not including cover page and endorsement pages) minimum font size 11 pt, include the following:
- Project Title
- Offeror Identification
- Problem Statement/Concept Description
- Project Goals and Objectives
- Methods and Procedures Required for Accomplishing Goals and Objectives
- Previous and Current Related Work
- Project Benefits
- Deliverables
- Customer Involvement
- Technology Transfer and Implementation Approach
- Expected Duration
- Program Funds (NTE \$200k)
- Cost Share

Cover Page

- Identify Project Prime's Technical Lead, Contracts POC
- Identify POC for each participating shipyard
- Identify POC for all other project participants
- Identify participating Government agencies
- Connection to Technology Investment Plan (TIP)
- Connection to Panel and Panel's mission

Endorsement Page(s)

- At least one shipyard shall be lead or a project participant
- An endorsement email from each participating shipyard must be attached
- From member shipyards, the endorsement will be provided by the NSRP Shipyard Delegate (NSD)
- From non-member shipyards, the endorsement will be provided by a member of leadership able to commit the shipyard to participation

Cost Data Table

- While the bottom-line figure of program funds and cost share is included in the White Paper, a detailed Cost Table must be submitted directly to ATI (NSRP-contracts@ati.org) after notification by the Panel Chair that the White Paper was down selected for submission to the ECB
- The Cost Data Table will be due no later than 4:00 p.m. ET on October 9, 2026

Project Proposal Submission

- All project proposals must be submitted into the AMP system (under construction), accessible through the NSRP website
- Access to AMP must be requested
- Once approved:
 - Login to the Portal
 - Select the desired program
 - Click on the Submission Portal in the menu
- Proposal Due: August 26, 2026 4:00p.m. ET

Evaluation Criteria (ECB)

- Strategic Fit and Leverage- “Strategic impact of the project, the degree to which it addresses industry consensus priorities, and potential for leveraging project results across the shipbuilding and ship repair industry and beyond. **The proposed solution must provide a compelling and credible benefit to shipbuilding and repair in terms of schedule/duration of processes, productivity, and/or cost savings.**
- Technology transfer and implementation objectives benefit both industry and government
- Reasonableness of proposed costs relative to the proposed effort
- Government technical community involvement, if applicable

