

Spring/Summer 2020 Newsletter



Photo courtesy of Conrad Shipyard

Upcoming Events

Surface Preparation and Coatings Virtual Panel Meeting Session 2

June 24, 2020
11:00 am EDT –
1:30 pm EDT

[Registration Link](#)

Ship Warfare Systems Integration Virtual Panel Meeting

June 25, 2020
10:00 am EDT –
2:30 pm EDT

[Registration Link](#)

Workforce Development Virtual Panel Meeting

June 26
10:00 am EDT –
3:30 pm EDT

[Registration Link](#)

2020 Strategic Investment and Technological Investment Workshops

Program News

NSRP began 2020 by holding the 2020 NSRP Strategic Investment Plan (SIP)/Technology Investment Plan (TIP) Workshop in Summerville, SC on January 22-23 at the ATI | Advanced Technology International facility. In all, 38 experienced shipyard, maritime industry, and Navy participants came together to provide the inputs that have become the two Program documents that will guide offerors as they propose new technologies and processes that will reduce the cost of shipbuilding and ship repair and improve the capabilities of both the US Government and US Flag commercial ships.



We would like to thank everyone that participated in the meeting and supported NSRP for their time and dedication in continuing to advance the shipbuilding and ship repair industry as a whole. The hard work of many NSRP Extended Team Members, US Navy personnel, and other NSRP supporters has led to NSRP's newly updated Strategic Investment Plan (SIP) and this year's Technology Investment Plan (TIP). Both are now available on the NSRP website, under Solicitation Resources: <https://www.nsrp.org/resource-library/>. Please review these documents as you consider and plan proposals for this year's upcoming solicitations.

Please see a solicitation update on the next page.

NSRP Research Announcement 21

Solicitation Released

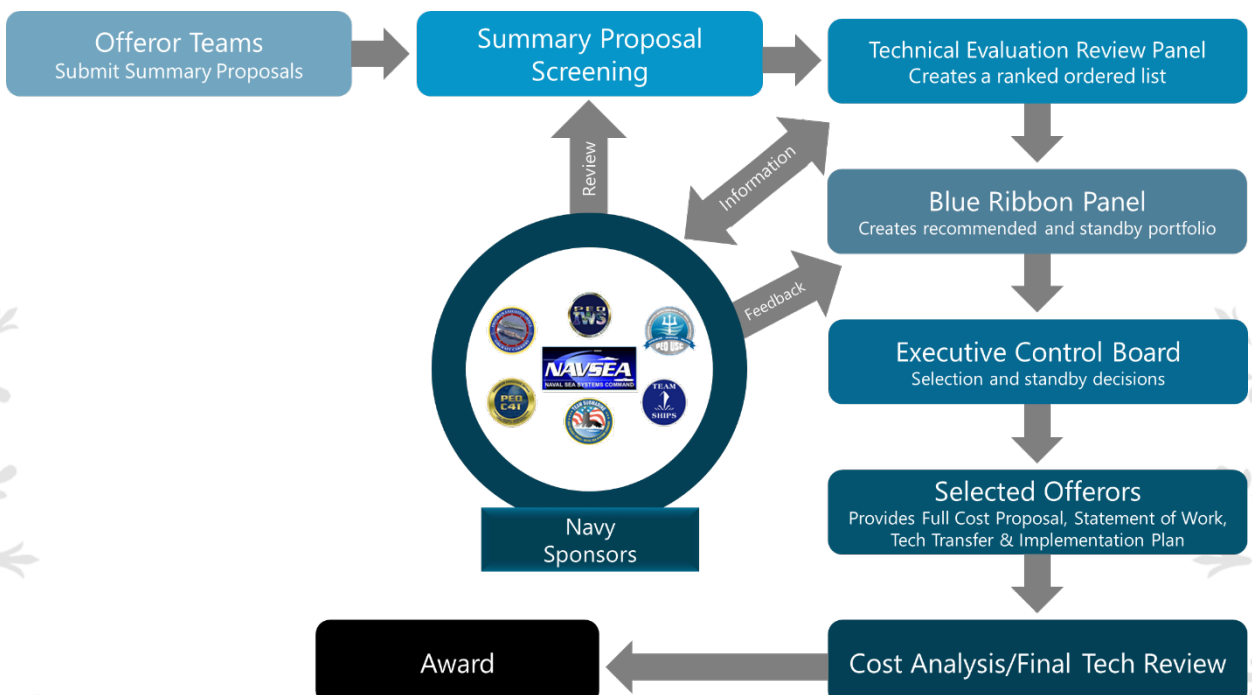
The National Shipbuilding Research Program issued Research Announcement 21 (RA 21) to solicit summary proposals that respond to priorities in the Program's Strategic Investment Plan and Technology Investment Plan including areas of particular interest identified in the Research Announcement.

As part of the solicitation process, NSRP held an Offerors' Conference via webinar on April 22. The conference included a briefing on the NSRP proposal submission and selection process, requirements for this particular solicitation, and the strategic objectives as detailed in the above referenced documents.

Proposals are due July 7th, 2020 before 12 pm EDT.

For additional information on RA 21 and supporting documents, please visit NSRP.org and beta.SAM.gov. To ensure you are receiving all the latest #NSRP announcements please follow NSRP on LinkedIn and sign up to the NSRP mailing list by requesting access at nsrp@ati.org.

Please contact the Solicitation Manager, Ryan Schneider (ryan.schneider@ati.org), or Contracts Administrator, Scott Leacock (scott.leacock@ati.org), if you have any questions.



NSRP Panel Project Solicitation 21 Released

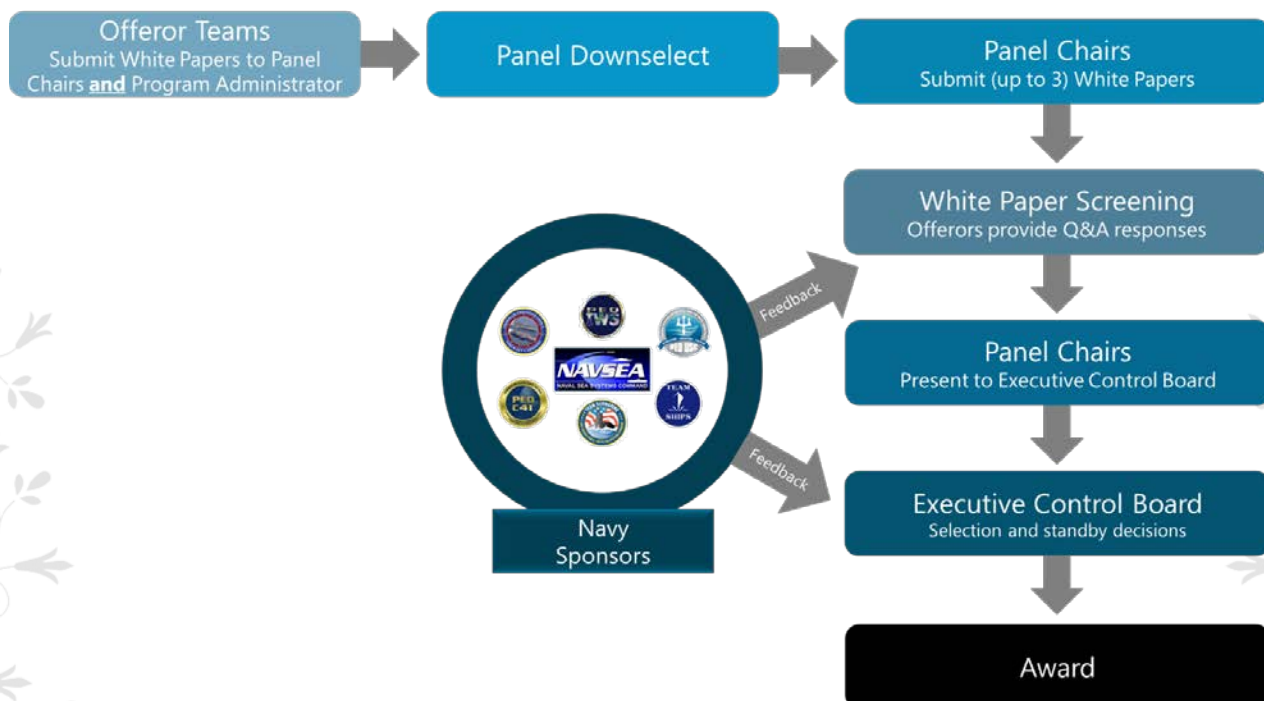
The National Shipbuilding Research Program has issued a [Solicitation for Panel Projects](#). The Solicitation, together with the [Panel Project Guide Volume 1 - Offerors](#), contains details on the white paper review and selection process, contracting requirements, and formatting guidelines. Both the Solicitation and Panel Project Guide Volume 1 - Offerors have been posted to the [NSRP website](#).

The deadline for offerors to submit white papers to Panel Chairs **and** ATI (nsrp@ati.org) is **12:00 PM EDT on August 12, 2020**.

The deadline for Panel Chairs to submit the top three white papers reviewed and prioritized by their panels and any joint panel white papers is **12:00pm EDT on September 9, 2020**. Panel Chairs will use the White Paper Submission Module to submit their top three and any joint panel white papers to ATI. Details and instructions for submission are included in the [Panel Project Guide Volume 2 – Panel Chairs](#).

The deadline for the supporting Cost Data Table is due **no later than September 9, 2020**. This requirement should follow the guidelines set forth in the [Panel Project Guide Volume 1 – Offerors](#) and should be sent directly to ATI (nsrp@ati.org).

Please contact the Solicitation Manager, Ryan Schneider (ryan.schneider@ati.org), or Contracts Administrator, Sarah Swain (sarah.swain@ati.org), if you have any questions.



Meetings and Events

Thank you for your patience with rescheduled events due to the corona virus pandemic. Since March 2020, NSRP has had to reschedule all in-person events. Please see below for a list of NSRP events to view the slides that were presented in the online meetings, or to view upcoming meeting information.

Dates	Event
05/12/20	Electrical Technologies Virtual Panel Meeting
05/21/20	Business Technologies Virtual Panel Meeting
05/26/20	Ship Design and Material Technologies Virtual Panel Meeting
06/10/20	Surface Preparation and Coatings Virtual Panel Meeting Session 1
06/24/20	Robotic DED – Digital Data Workflow Webinar
06/24/20	Surface Preparation and Coatings Virtual Panel Meeting Session 2
06/25/20	Ship Warfare Systems Integration Virtual Panel Meeting
06/25/20	Robotic DED – Basic Capabilities Webinar
06/26/20	Workforce Development Virtual Panel Meeting
06/30/20	Business Technologies Virtual Panel Meeting
07/15/20	Environmental, Health, and Safety Virtual Panel Meeting
10/06-07/20	Welding Technology Panel Meeting

A Word about the Corona Virus

The National Shipbuilding Research Program thanks you for your understanding and flexibility during this unprecedented period. NSRP understands that normal operations will not be possible with the current and possible further curtailment on inter-personal contact, cancellation of almost all gatherings, work-from-home mandates, and other side effects of the virus.

NSRP shares your concern and will do all in our power to keep our crucial panel operations and ongoing project execution, on track. The NSRP Extended Team is working to maintain open communications and offering the best opportunity to mitigate the challenges that the team currently faces.

During this time, we wish safety to our NSRP Community and send our thoughts to those that have been affected by the COVID-19 virus.

ECB Members Updates

The National Shipbuilding Research Program (NSRP) has announced the appointment of new members to its Executive Control Board (ECB). Alex Romanczuk has been appointed to the ECB as representative for BAE Systems Ship Repair. Romanczuk is Director of Engineering for the company in San Diego, CA. Mike Duthu, Vice President of Business Development at Ingalls Shipbuilding in Pascagoula, MS, has been appointed to the ECB. The board also elected Mike as the ECB Treasurer. Chris Waaler, Vice President, Engineering at GD Bath Iron Works in Bath, ME, has been appointed to the ECB. Fincantieri Marinette Marine in Marinette, WI, has appointed Joe Stark, Director of Engineering, as their NSRP ECB member. Please join us in welcoming the new members.



Left to right: Alex Romanczuk (BAE), Mike Duthu (Ingalls), Chris Waaler (GDBIW) and Joe Stark (FMM).

Spotlight on: Victoria Dlugokecki, P.E. and SDMT Vice Chair



Ms. Victoria (Vicky) Dlugokecki, P.E., has joined the extended team as the Vice Chair of the Ship Design and Material Technologies (SDMT) Panel. In this role, Vicky assists the SDMT Panel Chair, Monika Skowronska, in coordinating SDMT Panel Meetings and technology transfer of the [panel focus areas](#).

Ms. Dlugokecki's accomplishments in the shipbuilding and repair industry are vast. She currently works as an engineering and management consultant with more than 30 years of experience in ship design and construction. Prior to becoming a consultant in 2003, Vicky was a senior supervisor at NASSCO in the Initial Design and Naval Architecture Department, and an engineer at ABS, working on rule development and quality assurance. Vicky started her career at C. R. Cushing and Co., Inc., where she was able to participate in all aspects of engineering design for various types of commercial and military vessels.

She has been involved in NSRP for over 20 years, and has worked in some capacity with every NSRP Executive Control Board shipyard. In total, Ms. Dlugokecki has participated in 18 NSRP projects, all except one being an RA project. Currently, she is participating on the NSRP project, "Knowledge Provisioning Using Artificial Intelligence and Augmented Reality for Ship Repair." She has been working with Auros Knowledge Systems since their very first NSRP panel project in 2013. With seven different shipyards and the American Bureau of Shipping participating in a total of two RA projects and three panel projects in this area of research, these concepts are gaining traction to enable significant shipbuilding and repair cost savings.

Vicky's involvement in the maritime industry is not only limited to the above. Below are some articles that also showcase her long time involvement in the shipbuilding and ship repair industry

[Interview with Vicky Dlugokecki, NSRP - Maritime TV](#)

[Alumni Spotlight: Vicky Dlugokecki '88](#)

[Alumna Vicky Dlugokecki '88 Named ASNE Member of the Month](#)

[2014-2015 Faces of SNAME](#)

NSRP and SNAME Leadership Meeting

On March 5th 2020, leadership from the National Shipbuilding Research Program (NSRP) met with the Society of Naval Architects and Marine Engineers (SNAME) leadership at the SNAME headquarters in Alexandria, Virginia.

The two organizations met to review the current relationship and find ways to continue mutual support in the future. SNAME and NSRP have a relationship that goes back to the founding of both the SNAME Ship Production Committee (SPC) and NSRP in 1970-71. The impetus of the meeting was mainly due to Mr. Rick Spaulding stepping down as the SPC Chair and the fact that many people in both organizations were fairly new. The meeting began with Mr. Duca (NSRP Executive Director) giving a short presentation that provided a history of the relationship between the two organizations and all the current activities that NSRP does in support of SNAME. The NSRP Panel Chairs (currently 9) comprise the SPC membership.

SNAME President Suzanne Beckstoffer gave a presentation on the current efforts of SNAME. SNAME is an international organization with a large member base that supports many facets of the maritime industry. The organization also supports future Naval Architects and Marine Engineers while they are still students and facilitates the sharing of technology through their T&R program and an extensive library of technical publications, bulletins, and other subject matter.

Following both presentations and both organizations having a better understanding of the current state of the relationship, the group began a productive discussion about how they can continue to help each other and work together in a way that is mutually beneficial to both parties.



The representatives who attended the meeting were: (from left to right) Kathy Hartness (SNAME- Staff Vice President and Events and Membership), Nick Laney (NSRP Extended Team Manager), Valerie Hutnan (SNAME Executive Director), Erik Oller (NAVSEA 06N NSRP Program Manager), Don Hamadyk (NNS- NSRP Executive Control Board Chair and new SNAME SPC Chair), Rick Spaulding (NNS- former NSRP ECB Chair and SNAME SPC Chair), Suzanne Beckstoffer (SNAME President), and Steve Duca (NSRP Executive Director). Not pictured: Cindy Sloan (SNAME Membership Director and Social Media).

NSRP Surface Preparation & Coatings Panel Participation at the Society for Protective Coatings Coatings+ 2020 Conference

Written By: Arcino "Q" Quiero, Jr. of HII-Newport News Shipbuilding and the NSRP Surface Preparation & Coatings (SP&C) Panel Chair

The National Shipbuilding Research Program (NSRP) Surface Preparation and Coatings (SP&C) Panel played a significant role in the Society for Protective Coatings (SSPC) Coatings+ 2020 Conference success in Long Beach, CA.

SSPC Coatings+ Conference started with its Awards Lunch, recognizing several members of the Panel for their outstanding contribution to SSPC.

Joe Walker, Vice President, Elcometer; SSPC President, Board of Governors; and longtime member of the SP&C Panel served as the event Master of Ceremony.

Pete Ault, Elzly Technology Corporation, was awarded the Technical Achievement Award for his overall contribution and diligence in support of SSPC Technical Committees. The Panel wants to commend SSPC for recognizing what the SP&C Panel already knew. Pete is an asset to any organization and/or project that he is involved with. In fact, Pete has led many Panel projects and is currently leading two; [Survey of Surface Preparation and Coatings Automation](#) and [Optimize Power Tool Surface Preparation](#). Both of these efforts will aid in reducing the Navy's total ownership cost.

Other SP&C Panel members' recognized at SSPC included Peter Yancy, Atmospheric Plasma Solutions and Daniel Chute, BSI Group/EHS. They both received the President's Lecture Series Award. They also both previously led Panel projects in support of NSRP; [Evaluation of Plasma Beam Technology For Coating Removal & Surface Preparation](#) and [Evaluation and Control of Beryllium Exposure in Shipyards](#), respectively.

The Chair provided the NSRP SP&C Panel Update, which has become an annual event, with a slight twist. This year's presentation was a joint effort of several members of the Panel's Steering Committee. This "twist" was motivated by the nature of our audience, the SSPC Coatings+ 2020 attendees, and largely by one of their key services; training and education of the SP&C workforce.



Arcino Quiero, NNS and
Bob Cloutier, BIW
Photo Courtesy of Charlie Hallett from BIW

NSRP Surface Preparation & Coatings Panel Participation at the Society for Protective Coatings Coatings+ 2020 Conference (Continued)

Arcino “Q” Quiero, NSRP SP&C Panel Chair, kicked-off the brief with a NSRP overview, a summary of the Call for Proposals, and highlighted previous successes.

Angel Zepeda, NASSCO Superintendent, see right, SP&C and Bob Cloutier, BIW Manager, Coatings & Corrosion Control, provided an overview of the 2019 projects that they are leading; [Virtual Spray Paint Training System](#) and [Shipyard Industry Surface Preparation & Coating Training](#), respectively. Both projects resonated with the attendees because of the workforce challenges the industry faces daily.



Angel Zepeda, NASSCO
Photo Courtesy of Bob Cloutier

“Q” closed the session challenging the greater coatings community to become more active participants and work with the Technical Warrant Holder (TWH) in defining the NSRP SP&C Panel requirements in the future.

Later that day Nancy Pescinski presented a technical paper on initiatives undertaken by NSRP Workforce Development Panel and the Shipbuilders Council of America.

Steve Cogswell, BAE Systems MITL, and the SP&C Team continued the technology transfer between NSRP / SSPC / NACE, through various Working Groups, Standard Reviews, and the QP-1 Advisory Committee. Special strides were made in the revisions of SP-11 and SP-15 linking the Panel’s Optimize Power Tool Surface Preparation project to the Standard Review and a possible “Power Tool Rodeo” at MegaRust, the Naval Corrosion Conference.

Pete Ault chaired the committee meeting for the “Partial Blast Cleaning Standard”. A final draft was adopted and presented to the voting members in March. The standard is a result of a previous NSRP SP&C Panel project, focused on reducing total ownership cost and supported by the TWH.

The SP&C Panel left its mark on SSPC Coatings+ 2020 by doing what has been asked from day one; be an active participant, let your voice be heard, and work together to paint a picture that allows the Coatings Community to be successful!



Completed Projects between January – June 2020

The following RA and Panel Projects have been completed. Please email NSRP at nsrp@ati.org to request final reports. Distribution information is below.

Completed Research Announcement Projects

None to report this quarter.

Completed Panel Projects

2019-477-001

[Shipboard Fiber Optic Cables Design Enhancements](#)

Limited Distribution authorized to U.S. shipyards and NSRP Program representatives

2019-483-001

[ExpressMarine Integration](#)

Final report distribution is approved for public release; distribution is unlimited.

2019-474-001

[Knowledge Provisioning to Improve and Simplify ABS Digital Compliance](#)

Final report distribution is approved for public release; distribution is unlimited.

2018-453-012

[Support Delivery of Shipbuilder Product and Technical Data to an In-Service Navy PLM](#)

Limited Distribution authorized to U.S. shipyards and NSRP Program representatives.

2018-454-004

[Joint Operable Standards for Containerized Modules](#)

Final report distribution is approved for public release; distribution is unlimited.

2018-455-014

[Applications of Targetless Photogrammetry for Facilities and Close Range Metrology](#)

Limited Distribution authorized to U.S. shipyards and NSRP Program representatives

2018-455-011

[Design of a SIFD Principal Unit and Development of an EQT Strategy](#)

Distribution authorized to Department of Defense and U.S. DoD contractors only

In other news....

NSRP has a LinkedIn Page with over 1,000 followers! Follow us at <https://www.linkedin.com/company/nsrp-national-shipbuilding-research-program/>. Thank you to all who have followed us so far, and we look forward to having more people follow what is going on with the National Shipbuilding Research Program.

The National Shipbuilding Research Program has been featured in marinelink.com's maritime magazine, *Maritime Reporter and Engineering News*. The article discusses everything NSRP, and includes quotes from our Executive Control Board. You can read the eight page article here: <https://magazines.marinelink.com/nwm/MaritimeReporter/202006/#page/28>

NSRP Contracts Personnel Update



Scott Leacock,
Contracts Manager

Contracts Manager Scott Leacock has departed NSRP after working with NSRP contracts for 4 years. We thank him for his tireless support to the program. Scott has moved within ATI to support other programs.



Sarah Swain,
Contracts Manager

NSRP welcomes Contracts Manager Sarah Swain to NSRP. Sarah brings two decades of experience with ATI in diverse roles such as Contracts Manager for the Vertical Lift Consortium, Government Furnished Property Manager for ATI's Other Transaction Agreements, Government Property Manager for ATI, and overseeing ATI's efforts to centralize its contract closeout management process. Please join us in welcoming Sarah to NSRP!

About the Cover Photo

Photo Courtesy of Conrad Shipyards

ABS NFPA Class A Fire Boat
USCG Subchapter T
Hull CA-002

Found at <https://www.conradindustries.com/projects/offshore-support-vessels/>