

Business Technologies and Ship Design & Material Technologies Joint Panel Meeting

Seattle, WA

July 11 – July 13, 2023

Meeting Address:

Pacific Northwest Mission Acceleration Center,
999 3rd Ave #3300, 33rd floor, Seattle, WA 98104

Tour: NUWC Division Keyport, 1 Garnett Way, Keyport, WA 98345

Tuesday, July 11, 2023

Time	Presentation	Speaker
8:00	Arrive at Lobby of Pacific Northwest Mission Acceleration Center (Escort required to 33 rd Floor)	
8:00	Continental Breakfast	
8:30	Convene Meeting	
8:45	Welcome/ Introductions	
9:00	NSRP Program Update	Lydia Szydlo, ATI
9:30	Chair Welcome and Panel Updates	Jamie Breakfield, BT Panel Vicky Dlugokecki, SDMT Panel
10:00	Break	
10:15	Navy Tech Bridge Brief: UUV Omniverse	Craig Bleile, Tech Bridge
10:45	Washington Autonomous Vehicle Cluster: Overview and Project Portfolio	Seth D. Abelson, WAV-C
11:15	Pharos Launch & Recovery System	Chris Craft, Ingalls Shipbuilding
11:45	Overview and Deep Dive into Hydrogen One Tug Design	Mike Complita, Elliot Bay Design Group
12:15	Lunch (Provided)	
1:15	Challenges and Promises of Green Propulsion Technologies	Sean Caughlan, Glosten
1:45	Seaspan Shipyard's Major Navy and Coast Guard Projects	Jim Carr, Seaspan Shipyards
2:15	Break	
2:30	Testing Alternatives to Fiberglass for Marine Hulls—Progress Report	Eric Leonhardt, Western Washington University
3:00	Composite Components for Reduced Maintenance and Total Ownership Cost	Maureen Foley, NSWC Carderock
3:30	Digital Twin and Digital Thread	Ray DelDin, Altair
4:00	Closing remark and Tour Logistics	NSRP Leadership
4:30	Adjourn	

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Wednesday, July 12, 2023

Time	Presentation	Speaker
8:00	Bus Pick up at Pacific Northwest Mission Acceleration Center (999 3rd Ave #3300, Seattle, WA 98104)	
8:30	Bus Departs for NUWC Division Keyport	
10:00	Arrive at NUWC Division Keyport (check in and show IDs)	
10:30	Puget Sound Naval Shipyard: Shipyard Infrastructure Optimization Program (SIOP)	David Sweet, PSND Cody Matheson PSND
11:15	NUWC Division Keyport Presentation: Keyport Overview	Bill Carlson, NUWC Division Keyport
11:45	NUWC Division Keyport Presentation: PEO USC S&T: Unmanned Maritime Autonomy Architecture	Ross Wilhelm, NUWC Division Keyport
12:15	Lunch (Provided) and time to explore the museum	
1:15	Tour of NUWC Division Keyport: AR/VR and AM Facility	
3:15	Travel Back to Seattle Drop off at Bremerton Ferry Terminal Ferry Ride Back to Seattle	
5:30	Back to Seattle (Approximate)	

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Thursday, July 13, 2023

Time	Presentation	Speaker
8:00	Arrive at Lobby of Pacific Northwest Mission Acceleration Center (Escort required to 33 rd Floor)	
8:00	Continental Breakfast	
8:30	Convene Meeting	
8:30	SDMT Panel Project: Automated Label Plates	Peter Vihtelic SSI Joe Bender, Engineering USA
9:00	BT Panel Project and RA : Automated Detail Planning	Ronald de Vries, Floororganise Peter Vihtelic SSI
9:30	SDMT Panel Project: MELD 3D Printing Tiedowns Project	David Rice, Hepburn and Sons
10:00	Break	
10:15	BT Panel Project: Equipment Validation Through Scanning	Brian Ahern, Dot Product Peter Vihtelic, SSI
10:45	RAP Project: Offline Mobile Ship Navy Repair Operations	Micah Waldstein, Oxalis
11:15	RAP Project: Technical Presentation: Viega Training for Mechanically Attached Fittings	Jesus Herrero, Viega
11:45	Strength Assessment of Aluminum Welds in Design with Techniques for Finite Element Analysis	Michael Waver, Weaver Engineering
12:15	Wrap Up	Panel Leadership
12:30	Adjourn	