

Business Technologies and Ship Design & Material Technologies Joint Panel Meeting

Objectives:

- Presentations on Alternate Marine Fuels
- Presentations on Ocean Energy
- Project updates from ongoing NSRP projects
- Tour of Bay Ship and Yacht Co. in Alameda, CA

Joint Session Agenda

September 14th, 2021

PT	Presentation	Speaker
8:00	Convene Meeting	
8:00	NSRP Program Update	Nick Laney, ATI
8:30	BT and SDMT Chair Reports	Jamie Breakfield, BT Chair and Monika Skowronska,
9:00	ABS: Pathways to Sustainability through Alternate Marine Fuels	Gareth Burton, VP-Technology, American Bureau of Shipbuilding (ABS)
9:45	Sandia: Feasibility Studies of Hydrogen Fuel Cell Vessels	Lennie Klebanoff, Sandia National Laboratories
10:15	Zero Emission: Fuel Cell Power and Hydrogen Fueling Systems	Joe Pratt, Zero Emission Industries
10:45	Glosten: Hybridization of Washington State Ferries' Jumbo Mark II Class	Sean Caughlan , Glosten
11:15	Corvus Energy: Maritime Energy Storage	Sveinung (Sven) Odegard, Corvus Energy
11:45	US Navy's Wave Energy Test Site	Patrick Cross, Hawaii Natural Energy Institute
12:15	CalWave: Unlocking the Power of the Ocean	Marcus Lehmann, CalWave
12:45	Makai: Ocean Engineering: Ocean Thermal Energy Conversion	Ingrid Hillhouse, Makai
1:15	Walk/Uber over to Ferry Building (boxed lunch)	1 Ferry Building, SF, CA 94111
1:45	Load Ferry at 1:45pm for Alameda to tour Bay Ship and Yacht Co.	Joel Welter, Bay Ship and Yacht Co.

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Joint Session Agenda: NSRP Project updates
September 15th, 2021

PT	Presentation	Speaker
8:00	Convene Meeting	
8:00	FUSED (Fuel Usage Study Extended Demonstration) model: Identifying Energy Security Concerns	Brandon Naylor, Energy Academic Group, Naval Postgraduate School
8:30	Fire Resistant Watertight Doors	Parisa Ghandehari and John Walks, Ingalls
9:00	Minimum Standardized Content to Enable a Navy Digital Enterprise	Cody Griffith and Ariel Bond, Newport News
9:30	On-Board Ship 3-D Environment	Mark Debbink and Carla Coleman, Newport News
10:00	LiftShip 2	Erik Bjorkner, SSI
10:30	Fatigue Analysis of Swage Bulkheads	Jessica Skogberg and Kolby Pearson, NASSCO
11:00	ASTM for Mechanically Attached Fittings	Jesus Herrero, Viega
11:30	Using AI to Simplify Provisioning of Navy Standard Requirements	Greg Burek, Auros
12:00	Advanced Knowledge Provisioning Using Artificial Intelligence and Augmented Reality for Ship Repair	Steve Boisvert , Auros
12:30	Lunch	