

SISDO 2023 Conference Program Schedule

Time	Day 1 - Nov. 6 Webb Institute <i>Design</i>		Day 2 - Nov. 7 USMMA <i>Operations</i>		Time
9:00	Welcome and Sign In	Golden, Boyd	Welcome and Sign In	Perez, Ribarov, Nigro	9:00
9:15	Vision Statement	Mr. Mark Martecchini, President of Webb Institute	Keynote Address	Vice Adm. Joanna Nunan, Superintendent of USMMA	9:15
9:30	Kickoff Address	Guilhelm Gaillarde			9:30
10:00	Bar Technologies: Experience and Practice	Lauren Eatwell	Multi-Criteria Decision Making for Sustainable Port Operation	Gabi Gordon	10:00
10:30	CFD-Assisted Hull Form Optimization for Sustainable Shipping	Dae-Hyun Kim	Coastal And Inland Shipping In The Northeast US: A Plan For Expanding The Fleet And Zero Carbon Shipping	Steven Woods	10:30
11:00	A Service-Pattern Sail Freighter: The Need For A Scalable, Modularly Rigged, Open-Source Sail Freighter Design	Steven Woods	<i>Brunch and Networking</i>	<i>Delano Hall</i>	11:00
11:30	Flettner Rotor-Powered Marine Vessel - Design Evaluation and Systems Optimization	Zachary Almadani Joshua Garcia-Billings Hannah Newsom Lubomir A. Ribarov	<i>USMMA Campus Tour</i>		11:30
12:00	<i>Lunch and Networking</i>		Thermodynamic Assessment of Kalina Cycle as Alternative Hybrid Propulsion for Ships	Steven L. Pike Lubomir A. Ribarov	12:00
12:30	<i>Webb Institute Campus Tour</i>		Analyzing Operational Energy Efficiency Techniques for Reducing CO2 Emissions on Tanker Vessels	Ali Atil Talay Anthony Nigro	12:30
13:00	Balancing Energy Efficiency and Underwater Radiated Noise Reduction of Ships	Frans Hendrik Lafebar Johan Bosschers Thomas Lloyd Evert-Jan Foeth John Huisman	Magnetically Recoverable and Reusable Nanocomposites for Water Treatments	Ping Y. Furlan	13:00
13:30	Revolutionary Sterntube-less Concept to Save Shipowners Thousands while Keeping Oceans Clean	Elena Corin	Modernizing the past: Powering wooden sailing cargo vessels with electric & hydrogen technology	Alejandra Teran John Porras	13:30
14:00	Nuclear-Electric Shipboard Power Plant Design as a Senior Project	Hesham Shaalan	<i>Coffee Break</i>		14:00
14:15	Optimal Deck Position of Rotor Sails and DynaRigs for a Bulk Carrier Retrofit Installation	Martina Reche-Vilanova	Introduction to VELA Transport	Michael Fernandez-Ferri	14:15
14:30	"Enter in the Green Era" The new generation of Hydrofoils, a pragmatic solution for sustainability applied to ships	Richard Forest	Training requirements for seafarers on wind-powered and wind-assist vessels	Matthew Bonvento	14:30
15:00	Nuclear Power for Commercial Maritime and Offshore	Peter Wallace Mark Tipping	Nuclear Reactors for Decarbonized Civil Maritime Transportation	Jonathan Stephens	15:00
15:30	A second look at the propeller sail high lift device for sailing cargo ships, using distributed, wing-mounted propellers	Sergio Perez Lubomir A. Ribarov	Sustainable Maritime along M87; Build a Little, Test a Little, Learn a Lot	Rik van Hemmen	15:30
16:00	<i>Refreshments and Networking</i>		Closing Remarks		16:00
16:30	<i>Refreshments and Networking</i>		<i>Refreshments and Networking</i>		16:30

