



THE ROYAL  
INSTITUTION  
OF NAVAL  
ARCHITECTS

The Royal Institution of Naval Architects

## Technical Conference: Managing CII and Associated Challenges

16-17 January 2024, London, UK

Tuesday 16 <sup>th</sup> January 2024	
08.30-09.10	<b>Coffee and Registration</b>
09.10-09.20	<b>Welcome Address</b> , <i>The Royal Institution of Naval Architects, UK</i>
09.20-09.50	<b>Keynote:</b> <i>Tianbing Huang, Deputy Director, Sub-Division of Protective Measures, Marine Environment Division, International Maritime Organization</i>
09.50-10.00	<b>Setting the scene – the Good, the Bad and the Ugly</b> <i>Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping &amp; Edwin Pang, Arcsilea Ltd</i>
	<b>Session 1: Owner Experience</b> <i>Moderator: Kirsi Tikka, Board Member, Ardmore Shipping, Pacific Basin Shipping, Foreship</i>
10.00-10.20	<b>A Case Study on Using Voyage Optimisation Techniques for Improving a Vessel's CII Rating.</b> <i>Oliwia Gatecka, Ardmore Shipping</i>
10.20-10.40	<b>CII - Impact on d'Amico Fleet</b> <i>Cesare d'Api, d'amico società di navigazione spa</i>
10.40-11.00	<b>Managing CII through itinerary optimisation</b> <i>Fotis Papadopoulos, MSC Cruise Management (UK) Ltd</i>
11.00-11.30	<b>Session 1 Panel Discussion</b>
11.30-12.00	<b>Coffee</b>
	<b>Session 2: Ship Type Specific</b> <i>Moderator: Edwin Pang, Arcsilea Ltd</i>
12.00-12.20	<b>Decarbonizing Bulk Carriers 2030 &amp; 2050 Vision</b> <i>Volker Bertram, DNV</i>
12.20-12.40	<b>Wind propulsion for tankers? - An investigation into the CII reduction potential for ships operating on the spot market</b> <i>Frederik Gerhardt, RISE/SSPA</i>
12.40-13.00	<b>Session 2 Panel Discussion</b>
13.00-14.00	<b>Lunch</b>
	<b>Session 3: Operational Strategies</b> <i>Moderator: Ralitsa Mihaylova, Safinah Group</i>
14.00-14.20	<b>Paradigm Shift in Energy Efficiency Measures - Silicone-based Low Friction Coatings</b> <i>Yigit Demirel, Hempel</i>
14.20-14.40	<b>Quantifying the effect of biofouling on vessel performance – solving a crucial 'missing link'</b> <i>Tor Mikal Østervold, ECOsubsea</i>
14.40-15.00	<b>The impact of hull &amp; propeller performance to CII ratings</b> <i>Eirini Arvanitaki, Vessel Performance Solutions</i>
15.00-15.20	<b>Correction Factors for CII Calculations - Saving Potentials with High Quality Sensor Data</b> <i>Uwe Altenbach, Hoppe Marine GmbH</i>
15.20-16.00	<b>Session 3 Panel Discussion</b>
16.00-16.30	<b>Coffee</b>
16:30-17:00	<b>General Discussion and Closure of Day 1</b> <i>Moderator: Tom Strang, Carnival Corporation &amp; plc</i>



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Wednesday 17 <sup>th</sup> January 2024	
09.00-09.20	<b>Coffee and Registration</b>
09.20-09.30	<b>Welcome Address, The Royal Institution of Naval Architects, UK</b>
	<b>Session 1</b> <i>Moderator: Tom Strang, Carnival Corporation &amp; plc</i>
09.30-09.50	<b>Keynote: Factors having an effect on CII and proposition for improvement, based on an analysis of 2022 DCS data of the global fleet of Bulk Carriers, exploring the effect of port operations, equipment, and other parameters</b> <i>Julien Boulland, Global market leader for sustainable shipping within Bureau Veritas Marine &amp; Offshore, head-office commercial team.</i>
09.50-10.10	<b>Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping – CII Project</b> <i>Daniel Barcarolo and Utkarsh Dubey, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping</i>
10.10-10.30	<b>Session 1 Panel Discussion</b>
10.30-11.00	<b>Coffee</b>
	<b>Session 2: Technical Strategies</b> <i>Moderator: Volker Bertram, DNV</i>
11.00-11.20	<b>Impact of propulsion improving devices on CII: current challenges</b> <i>Alessandro Castagna, Becker Marine Systems</i>
11.20-11.40	<b>Wind-assisted ship propulsion as a Versatile tool for boosting CII score</b> <i>Konstantinos Fakiolas, Finoccean</i>
11.40-12.00	<b>Leveraging Rotor Sails to support CII compliance</b> <i>Ville Paakkari, Norsepower</i>
12.00-12.30	<b>Session 2 Panel Discussion</b>
12.30-13.30	<b>Lunch</b>
	<b>Session 3: New Metrics</b> <i>Moderator: Edwin Pang, Arcsilea Ltd</i>
13.30-13.50	<b>The review of the Carbon Intensity Indicator and possible system improvements.</b> <i>Chris Waddington, International Chamber of Shipping</i>
13.50-14.05	<b>Improvement to CII metric based on Equivalent Transport Work Principle for better Monitoring and Prediction</b> <i>Sandip Patil, Indian Register of Shipping (IRCLASS)</i>
14.05-14.25	<b>Proposal for a Revised CII Calculation Method for Cruise Passenger Ships</b> <i>Justin Epstein, Royal Caribbean Group</i>
14.25-14.45	<b>A Maritime Sandbox: Implications of the Carbon Intensity Indicator (CII) Regulation on Ice-Classed Ships.</b> <i>Thomas Browne, National Research Council of Canada</i>
14.45-15:20	<b>Session 3 Panel Discussion</b>
15.20-16.00	<b>Coffee</b>
16.00-17.00	<b>If you could change 1 thing in the CII to drive further improvements in energy efficiency, what would it be?</b> <i>Workshop &amp; Conference Closure</i> <i>Moderator: Edwin Pang, Arcsilea Ltd</i>
17.00-19.00	<b>Evening Drinks Reception</b>