



The Royal Institution of Naval Architects

Wind Propulsion Conference

15 - 16 October 2019, London, UK

In association with:



Tuesday 15 th October	
08.45-09.15	Coffee and Registration
09.15-09.20	Welcome Address , <i>D. Ponkratov, Technical Director, The Royal Institution of Naval Architects, UK</i>
09.20-09.25	Welcome Address , <i>G. Allwright, Secretary, International Windship Association, UK</i>
09.25-09.45	Keynote - <i>Diane Gilpin, The Smart Green Shipping Alliance (SGSA), UK</i>
09.45-10.20	Wind Assisted Propulsion Systems and the role of a Ship Classification Society <i>U. Hollenbach, DNV GL, Germany</i>
10.20-10.40	Coffee
10.40-11.15	Predicted fuel-savings for a Flettner rotor assisted tanker using computational fluid dynamics <i>M. Prince and L. Jones, Wolfson Unit M.T.I.A., UK</i> <i>D. Hudson, University of Southampton, UK</i> <i>J. Cocks, Shell Shipping and Maritime, UK</i>
11.15-11.50	Performance predictions of wind propulsion systems using 3D CFD and route simulation <i>A. Persson, D.-Q. Li, F. Olsson and S. Werner, SSPA Sweden AB, Sweden</i> <i>U. Dhomé, KTH Royal Institute of Technology, Sweden</i>
11.50-12.00	Introduction on Windship Technology <i>S. Rogers Windship Technology Ltd</i>
12.00-13.00	Lunch
13.00-13.35	Effect of Leeway Angle on Propeller Performance <i>J. J. A Schot and R. Eggers, Maritime Research Institute Netherlands, the Netherlands</i>
13.35-14.10	Performance verification of recent Rotor Sail installations <i>V. Paakkari, Norsepower, Finland</i>
14.10-14.45	Dimensioning, Design, Manufacturing and performance assessment of Oceanwings Wingsail onboard Energy Observer <i>N. Sdez and M. Van Peteghem VPLP design, France</i>
14.45 – 15.05	Coffee
15.05 – 15.40	Ship data driven propulsion models & wind-based propulsion technology <i>J. Buckingham, D. Pearson and E. Storey, BMT Global, UK</i>
15.40 – 16.15	Optimal routing of a wind-powered cargo vessel using ensemble weather forecast data <i>G. Davies, Waseda University, Japan</i>
16.15 – 16.50	Seakeeping and Manoeuvring for Wind Assisted Ships <i>R. Eggers and A. S. Kisjes, Maritime Research Institute Netherlands, the Netherlands</i>
16.50 – 18.30	Discussion and Drinks Reception



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Wednesday 16 th October	
08.55-09.20	Coffee and Registration
09.20-09.55	Zero Emissions Sailing Ship — Conceptual Design <i>K. Ouchi, Ouchi Ocean Consultant Inc., Japan</i> <i>T. Omiya, Mitsui O.S.K. Lines, Ltd., Japan</i>
09.55-10.30	Transition Pathways to very Low Emissions Shipping: The Matisse-Ship Model <i>J. Köhler, Fraunhofer ISI, Germany</i>
10.30-10.50	Coffee
10.50-11.25	The influence of a thorough physical model on the payback period of wind-assisted ships <i>G. Bordogna and N. van der Kolk, TUDelft, the Netherlands</i>
11.25-12.00	Financing Green Ships: Methodological and Practical Considerations <i>O. Schinas, Hamburg School of Business Administration, Germany</i>
12.00-13.00	Lunch
13.00-13.35	Retrofitting of Flettner Rotors to reduce Fuel Consumption and CO2 Emissions <i>M. Vahs, University of Applied Sciences Emden / Leer, Germany</i>
13.35-14.10	99kDW Bulker fitted with the Wind Challenger Sail <i>N. Onishi and H. Fukushima, Mitsui O.S.K. Lines, Ltd., Japan</i> <i>I. Aoki, Oshima Shipbuilding Co. Ltd, Japan</i> <i>K. Ouchi, Ouchi Ocean Consultant Inc., Japan</i>
14.10-14.45	Optimum application of Wind Assisted Propulsion on existing Short Sea cargo vessels <i>A.A. van der Bles, Conoship International BV, the Netherlands</i> <i>F. Nieuwenhuis, Econowind BV, The Netherlands</i>
14.45 – 15.05	Coffee
15.05 – 15.40	Autonomous Sailing Vessels for Short Sea Shipping <i>A. Chaplin, OneSails, UK</i>
15.40 – 16.15	Final Address and discussion
16.15 – 17.00	Closure