



The Royal Institution of Naval Architects

Wind Propulsion Conference

15 - 16 October 2019, London, UK

In association with:



Tuesday 15 th October	
08.55-09.25	Coffee and Registration
09.25-09.30	Welcome Address , D. Ponkratov, Technical Director, The Royal Institution of Naval Architects, UK
09.30-09.35	Welcome Address , G. Allwright, Secretary, International Windship Association, UK
09.35-09.55	Keynote - Diane Gilpin, The Smart Green Shipping Alliance (SGSA), UK
09.55-10.30	Wind Assisted Propulsion Systems and the role of a Ship Classification Society U. Hollenbach, DNV GL, Germany
10.30-10.50	Coffee
10.50-11.25	Predicted fuel-savings for a Flettner rotor assisted tanker using computational fluid dynamics M. Prince and L. Jones, Wolfson Unit M.T.I.A., UK D. Hudson, University of Southampton, UK J. Cocks, Shell Shipping and Maritime, UK
11.25-12.00	Performance predictions of wind propulsion systems using 3D CFD and route simulation A. Persson, D.-Q. Li, F. Olsson and S. Werner, SSPA Sweden AB, Sweden U. Dhomé, KTH Royal Institute of Technology, Sweden
12.00-13.00	Lunch
13.00-13.35	Effect of Leeway Angle on Propeller Performance J.J.A Schot and R. Eggers, Maritime Research Institute Netherlands, the Netherlands
13.35-14.10	Performance verification of recent Rotor Sail installations V. Paakkari, Norsepower, Finland
14.10-14.45	Dimensioning, Design, Manufacturing and performance assessment of Oceanwings Wingsail onboard Energy Observer N. Sdez, VPLP design, France
14.45 – 15.05	Coffee
15.05 – 15.40	Ship data driven propulsion models & wind-based propulsion technology J. Buckingham, D. Pearson and E. Storey, BMT Global, UK
15.40 – 16.15	Optimal routing of a wind-powered cargo vessel using ensemble weather forecast data G. Davies, Waseda University, Japan
16.15 – 16.50	Seakeeping and Manoeuvring for Wind Assisted Ships R. Eggers and A. S. Kisjes, Maritime Research Institute Netherlands, the Netherlands
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 K. Ouchi, Ouchi Ocean Consultant Inc., Japan T. Omiya, Mitsui O.S.K. Lines, Ltd., Japan
09.55-10.30	Transition Pathways to very Low Emissions Shipping: The Matisse-Ship Model J. Köhler, Fraunhofer ISI, Germany
10.30-10.50	Coffee
10.50-11.25	The influence of a thorough physical model on the payback period of wind-assisted ships G. Bordogna and N. van der Kolk, TUDelft, the Netherlands
11.25-12.00	Financing Green Ships: Methodological and Practical Considerations O. Schinas, Hamburg School of Business Administration, Germany
12.00-13.00	Lunch
13.00-13.35	Retrofitting of Flettner Rotors to reduce Fuel Consumption and CO2 Emissions M. Vahs, University of Applied Sciences Emden / Leer, Germany
13.35-14.10	99kDW Bulker fitted with the Wind Challenger Sail N. Onishi and H. Fukushima, Mitsui O.S.K. Lines, Ltd., Japan I. Aoki, Oshima Shipbuilding Co. Ltd, Japan K. Ouchi, Ouchi Ocean Consultant Inc., Japan
14.10-14.45	Optimum application of Wind Assisted Propulsion on existing Short Sea cargo vessels G. van der Bles, CONOSHIP, the Netherlands
14.45 – 15.05	Coffee
15.05 – 15.40	Autonomous Sailing Vessels for Short Sea Shipping A. Chaplin, OneSails, UK
15.40 – 16.15	Final Address and discussion
16.15 – 17.00	Closure