



The Royal Institution of Naval Architects
Power & Propulsion Alternatives for Ships

23 January 2019, London, UK

Wednesday 23 rd January	
08.45-09.15	Coffee and Registration
09.15-09.20	Welcome Address, Trevor Blakeley, the Royal Institution of Naval Architects, UK
09.20-09.50	Alternative fuels: Present and Future of Containment Technologies and Impact on Shipbuilding Fabrizio Cadenaro, Ed Fort, Liam Blackmore, Lloyd's Register EMEA, Italy
09.50-10.20	New Shuttle Tanker Concept Jon Nation, Wärtsilä Marine Solutions, UK
10.20-10.50	Modelling Alternative Propulsion Technologies for Merchant Vessels John Buckingham, David Pearson, BMT, UK
10.50-11.10	Coffee
11.10-11.40	Can Biofuels Help Provide Clean Propulsion for Shipping, Now and in the Future? Chester Lewis, Dr Ausilio Bauen, E4tech Ltd, UK
11.40-12.10	Perpetual Shipping with Renewable Power Stations Enabling Hydrogen Fuelled Ships Jason Steward, DNV GL, Australia
12.10-12.40	Examining Methanol as Alternative Marine Fuel for Indonesian Domestic Ships Eko Maja Priyanto, BKI, Indonesia Aykut I Ölçer, Dimitrios Dalaklis, Fabio Ballini, World Maritime University, Sweden
12.40-13.30	Lunch
13.30-14.00	Towards Electrification of Ro-Ro Passenger Fleet in the Adriatic Sea Maja Perčić, Ivica Ančić, Nikola Vladimir, University of Zagreb, Croatia
14.00-14.30	How to Increase Power Train Efficiency. Juho Rekola, Mika Koli, Steerprop Ltd, Finland Martin Andtfolk, SE Tech, Finland
14.30-15.00	Comparison of Diesel-Electric Propulsion with Hybrid Propulsion Plant on Cruise Ships Using System-Theoretic Process Analysis Victor Bolbot, Gerasimos Theotokatos, Evangelos Boulougouris, Dracos Vassalos, University of Strathclyde, UK
15.00-15.20	Coffee
15.20-15.50	Agile Power Management Systems – An Optimised Control Strategy Using Real-Time Simulation for Hybrid Marine Power Plants Chris Watts, Babcock International Group, UK
15.50-16.20	Investigation of Auxiliary Power Potentials of Solar Photovoltaic Applications on Dry Bulk Carrier Ships Wandifa Saidyleigh, Aykut I Ölçer, Raphael Baumler, World Maritime University, Sweden
16.20-16.50	Modern Rotor Sail technology helps ships save fuel and reduce emissions - performance and experiences from recent installations Ville Paakkari, Norsepower Oy Ltd, Finland
16.50-17.20	Case Study: Wind-Assisted Ship Propulsion Performance Prediction, Routing, and Economic Modelling Nico van der Kolk, Giovanni Bordogna, Paul Desprairies, TUDelft, the Netherlands James Mason, University of Manchester, UK
17.20-	General Discussion & Evening Drinks



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Reduced Heeling Moment Sailing Rig for Propulsion

George Dadd, Kiote, UK