



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 , <i>Trevor Blakeley, the Royal Institution of Naval Architects, UK</i>	Dirk Meulemeester, Pollux, Belgium
09.20-09.50	Alternative fuels: The Present and Future of Containment Systems and Their Impact on the Design and Construction of Ships <i>Fabrizio Cadenaro, Ed Fort, Liam Blackmore, Lloyd's Register EMEA, UK</i>	
09.50-10.20	New Shuttle Tanker Concept <i>Jon Nation, Jeroen Van Keep, Kjell Storelid, Wärtsilä Marine Solutions, UK</i>	
10.20-10.50	Modelling Alternative Propulsion Technologies for Merchant Vessels <i>John Buckingham, David Pearson, BMT, UK</i>	
10.50-11.10	Coffee	
11.10-11.40	Can Biofuels Help Provide Clean Propulsion for Shipping, Now and in the Future? <i>Chester Lewis, Dr Ausilio Bauen, E4tech Ltd, UK</i>	
11.40-12.10	Examining Methanol as an Alternative Marine Fuel for Indonesian Domestic Ships <i>Eko Maja Priyanto, BKI, Indonesia</i> <i>Aykut I Ölçer, Dimitrios Dalaklis, Fabio Ballini, World Maritime University, Sweden</i>	
12.10-12.40	Towards Electrification of Ro-Ro Passenger Fleet in the Adriatic Sea <i>Maja Perčić, Ivica Ančić, Nikola Vladimir, University of Zagreb, Croatia</i>	
12.40-13.30	Lunch	
13.30-14.00	How to Reach Total Power Train Efficiency <i>Juho Rekola, Mika Koli, Steerprop Ltd, Finland</i> <i>Martin Andtfolk, SE Tech, Finland</i>	David Pearson, BMT, UK
14.00-14.30	Comparison of Diesel-Electric with Hybrid-Electric Propulsion System Safety Using System-Theoretic Process Analysis <i>Victor Bolbot, Gerasimos Theotokatos, Evangelos Boulougouris, Dracos Vassalos, University of Strathclyde, UK</i>	
14.30-15.00	Agile Power Management Systems – A Rule-Based Control Strategy Using Real-Time Simulation for Hybrid Marine Power Plants <i>Chris Watts, Babcock International Group, UK</i> <i>Dr Truong Quang Dinh, Dr Truong Minh Ngoc Bui and Dr James Marco, Warwick Manufacturing Group (WMG), University of Warwick, UK</i>	
15.00-15.20	Coffee	
15.20-15.50	Investigation of Auxiliary Power Potentials of Solar Photovoltaic Applications on Dry Bulk Carrier Ships <i>Wandifa Saidyleigh, Aykut I Ölçer, Raphael Baumler, World Maritime University, Sweden</i>	
15.50-16.20	Modern Rotor Sail Technology Helps Ships Save Fuel and Reduce Emissions - Performance and Experiences from Recent Installations <i>Ville Paakkari, Norsepower Oy Ltd, Finland</i>	
16.20-16.50	Case Study: Wind-Assisted Ship Propulsion Performance Prediction, Routing, and Economic Modelling <i>Nico van der Kolk, Giovanni Bordogna, Paul Desprairies, TUDelft, the Netherlands</i> <i>James Mason, University of Manchester, UK</i>	
16.50-	General Discussion & Evening Drinks	