The Royal Institution of Naval Architects

Power & Propulsion Alternatives for Ships

23 January 2019, London, UK

Wednesday 23rd 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, Lloyd's Register, 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, 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** *Aykut I Ölçer, Dimitrios Dalaklis, Fabio Ballini, World Maritime University, Sweden* *Eko Maja Priyanto, BKI, Indonesia*
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 Reach Total Power Train Efficiency** *Juho Rekola, Hannu Jukola, Steerprop Ltd, 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** *Jukka Kuuskoski, 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, James Mason, Paul Desprairies, TUDelft, the Netherlands*
17.20-	**General Discussion & Evening Drinks**