



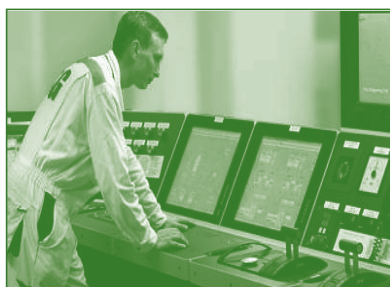
# Influence of EEDI on Ship Design & Operation

22-23 April 2020, London, UK



## Call for Papers

The reduction of CO<sub>2</sub> emissions has been a key target in the development of the Marine Industry since the IMO's Marine Environment Protection Committee published its findings 10 years ago from which a number of measures resulting in technical and operational reductions were made mandatory in 2011. Foremost amongst these measures; nearly all new builds have to conform to the limits of the Energy Efficiency Design Index (EEDI). The development of on-board measurement packages in recent years means it is now possible to measure many on-board parameters either during a formal trial or over a whole voyage.



There are now new ISO standards for initial ship trials to verify the EEDI calculations. ISO 19030 standard consolidates the latest academic and industry knowledge regarding a standardised method to measure the performance of a vessel through the water. IMO and EU require vessels to monitor their efficiency in terms of fuel consumption and distance travelled (EU MRV started 1st January 2018 and the IMO system has started 1st January 2019). It is expected that the data collected will help inform future EEDI regulations.



These regulations represent some of the most important technical measures introduced so far to encourage the reduction of shipping CO<sub>2</sub> emissions. The conference will consider the effectiveness of these measures and their impact on ship design and operation. RINA invites papers from naval architects, class societies, shipbuilders, regulators, operators, equipment manufactures and researchers on all related topics including:

- Verification of the EEDI calculations
- Measurement and analysis of ship efficiency
- Influence on ship design
- Influence on vessel operations
- Environmental and economic impact
- Future regulatory developments
- Operational strategies to improve ship efficiency
- Retrofit technologies
- Designing energy efficient ships
- Performance verification, monitoring and management
- Full scale measurements and demonstrations
- Radical energy saving strategies and devices



If you are interested in submitting an abstract please click on:  
[https://www.rina.org.uk/Register\\_Interest\\_in\\_Event.html](https://www.rina.org.uk/Register_Interest_in_Event.html)

☐ I would like to offer a paper and attach a synopsis of no more than 250 words

**Please submit your abstract before 23<sup>rd</sup> December 2019**

☐ I wish to receive details on exhibition space and sponsorship opportunities

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