



Ice Class Vessels

4th November 2020, Online Conference

First Notice & Call for Papers



The Polar Regions are experiencing heavier traffic due to the economic and military advantage of the arctic waters. The more convenient access to the arctic as a result of changing ice levels, and the increased competition for natural resources by different states, has focused the need for more unified and detailed regulation on the operation, safety and design of all vessels that operate in the polar environment.



Many types of Vessel operate near the poles, including the impressive icebreakers, which Russia operates the largest fleet. All those ships are exposed to a great number of unique demands. Ice exerts structural loads on the hull and propeller when keeping station, sea spray and atmospheric conditions can create an accumulation of icing on important deck equipment, and the safety and wellbeing of the crew when exposed to below freezing temperatures, not only in normal operation but also in emergency conditions, all have an impact on how a vessel is designed to operate. On top of this codes and standards need to reflect the growing exposure of vessels to these conditions, this was reflected in need to update the IMO Polar Code which entered into force on 1st January 2017.



RINA invites classifications societies, shipyards, operators, surveyors and designers and anyone with an interest in the full of possibilities ship operation in ice, to submit papers on:

- Hull Design, Construction and Equipment
- Modelling of Ice Loads on Hull & Propeller
- Vessel Operation- Navigation and Station Keeping in ice flows
- Safety Systems- Emergency Response and Search & Rescue
- Crew Consideration / Human Factors
- Regulation- Standards & codes of good practice
- Ship Systems and Machinery for polar operation (heating, propulsion, engines etc)
- Environmental Systems consideration (Ballast Water Treatment, Ship emissions etc)
- Materials, Welds and Coatings

Selected papers may be published in the Transactions of the Royal Institution of Naval Architects

www.rina.org.uk/events_programme

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

Please submit your abstract before 17th August 2020

- I wish to receive details on exhibition space and sponsorship opportunities
- I would like to receive a full programme brochure and registration form

Name:

Position:

Company:

Address:

Telephone:

Postcode:

Email:

Fax: