

# Ice Class Vessels

28-29 April 2015, London, UK



## First Notice & Call for Papers

The Polar Regions continue to experience heavier traffic in marine shipping and exploration. 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 kinds of Vessel operate near the poles, all of which are exposed to a 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 is reflected in the growing momentum in updating the IMO Polar Code.

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/Ice\\_Class\\_Vessels](http://www.rina.org.uk/Ice_Class_Vessels)

☐ 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> November 2014**

☐ 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:	
	Postcode:
Telephone:	Fax:
Email:	

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