

Local Communities



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Western Joint Branch

A Joint Branch of the RINA and the IMarEST

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Honorary Secretary Mr M Tuohy-Smith AMRINA
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Technical Lecture

'Titanic' to 'Costa Concordia'

100 years of Passenger Ship Safety

Ian E Winkle



Safety Lecture

Date: 14/11/2016

Time: Refreshments at 19:00, start at 19:25

Venue: Lecture Theatre 1N05, Building N, University of the West of England, BS16 1QY

Organiser: Jake Rigby

Contact: secretary.wjb@imarest.org

Summary: The public outcry over the tragic loss of the Titanic in April 1912 led to an international review of Passenger Ship Safety, resulting in the establishment of the first SOLAS (Safety of Life at Sea) Regulations. Since that time, we have seen the change from steam to diesel, the rise and fall of the traditional passenger liner and the emergence of a new breed of massive cruise ships.

The talk reviews the primary elements of SOLAS in relation to the design and loss of 'Titanic' and shows how the developments in ship design and propulsion have led to the need to re-balance the relationship between reserve buoyancy (freeboard) and stability. Each step change has usually been stimulated by the loss of other well known vessels such as 'Andrea Doria', 'Herald of Free Enterprise', 'Estonia' and now 'Costa Concordia'.



Photo Courtesy of The Independent



Photo Credit: RINA

Speaker: A member of RINA, now retired after 31 years as an academic in the Departments of Naval Architecture at the Northern Ireland Polytechnic, Glasgow and Strathclyde Universities. Since the 'Herald of Free Enterprise' disaster in 1987, he has maintained a particular interest in the mechanics of the loss of passenger vessels through capsize and design modifications which might mitigate such effects.

Continuing Professional Development - Certificate of Attendance:

CPD

Attendee:

Signed:

Name:

Committee Endorsement

Signed:

Position:

Next Lecture: Christmas Debate

Date: 12/12/2016, **Time:** Refreshments at 19:00, start at 19:25

Venue: Lecture Theatre 2.3, Building 5 West, University of Bath, BA2 7AY.

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Key information



**To contact the Information
Point please call 0117 32 85678**

Estimated walk time
between each circular
line - 2 minutes

