

Chair
Jake Rigby

Vice Chair
James Williams

Honorary Secretary
Benjamin Scott
secretary.wjb@branches.imarest.org

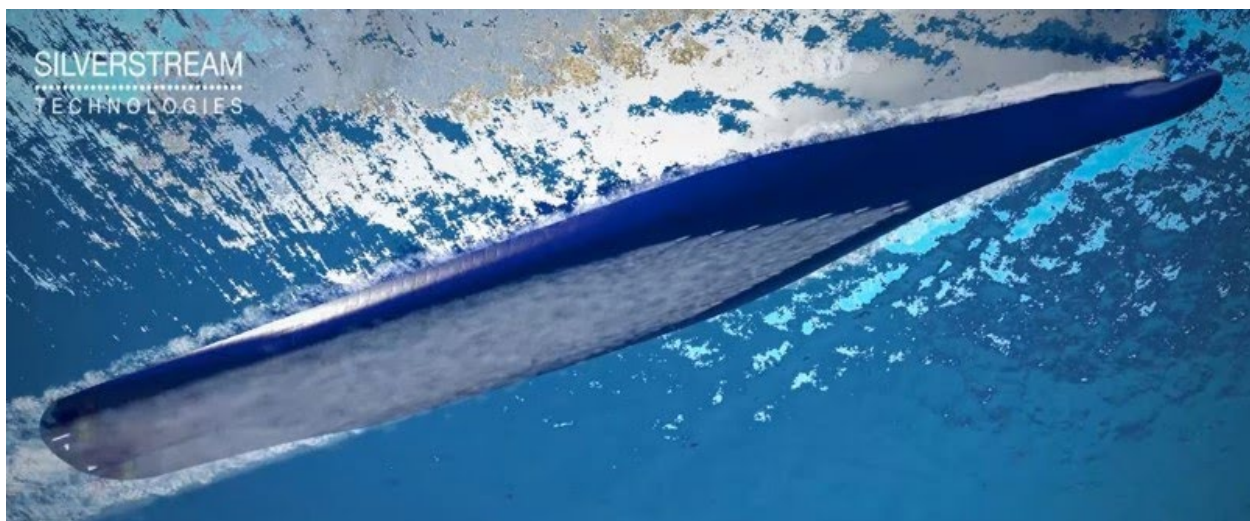


Western Joint Branch

Technical Lecture
Hull Air Lubrication: Impact on Ship Efficiency and Global Decarbonisation

Presented by: Dr Arno Dubois

Date: Monday, 22nd April 2024
Time: Refreshments and Domino's Pizza at 19:00, lecture starts at 19:25
Venue: BRLSI, 16-18 Queen Square, Bath BA1 2HN
Organiser: Western Joint Branch RINA/IMarEST
Contact: secretary.wjb@branches.imarest.org



Background: Over the past decade, hull air lubrication has proven itself as a practical and scalable decarbonisation solution for the shipping industry. Air lubrication aims to reduce the frictional resistance of a ship, thereby cutting fuel burn and emissions.

The unique system developed by Silverstream Technologies generates a microbubble carpet through fluid shearing and, since the company's technology came to market, has demonstrated an average of 5-10% net savings as such showing that effective energy saving technologies can be commercialised and scaled rapidly.

This lecture will explore how the technology works, how performance is measured, and what development opportunities lie ahead.

Presenter: Dr Arno Dubois is the Lead Hydrodynamicist at Silverstream Technologies. He is responsible for oversight and delivery of research-based projects aimed to analyse, understand, and improve the Silverstream® System.

His previous experience includes working as an Application Engineer for a simulation software company, specialising in computational fluid dynamics and heat transfer, and numerical and experimental research of hydrodynamic systems as part of his education and PhD research, which has been presented at several international conferences and published in various industry-leading journals.

Registration: We will be running this as a Hybrid Event - Click [Here](#) to Register.



CPD Certificates will be sent out to the email address used to register.

International HQ: 1 Birdcage Walk, London SW1H 9JJ • **Tel:** +44 (0) 20 7382 2600

Asia-Pacific Office: #03-01 GSM Building, 141 Middle Road, Singapore, 188976 • **Tel:** +65 6472 0096

Registered Charity No. 212992 • Chief Executive: David Loosley • Founded 1889. Incorporated by Royal Charter 1933 • Licensed body of the Engineering Council (UK) and the Science Council
AMERICAS • EUROPE • MIDDLE EAST & AFRICA • ASIA PACIFIC

www.imarest.org