

# Royal Institution of Naval Architects North West Branch

A Local Branch of the RINA  
Chairman: Duncan Swinson  
Hon Secretary: Jonathan Happs  
Hon Treasurer: Matt Slater



THE ROYAL INSTITUTION  
OF NAVAL ARCHITECTS

**Date:** 07.04.2022

**Time:** 7pm (Preceded by the branch AGM at 6:30pm, and with refreshments from 5:45pm)

**Room:** 208 Student Life Building LJMU Copperas Hill, L3 5GE

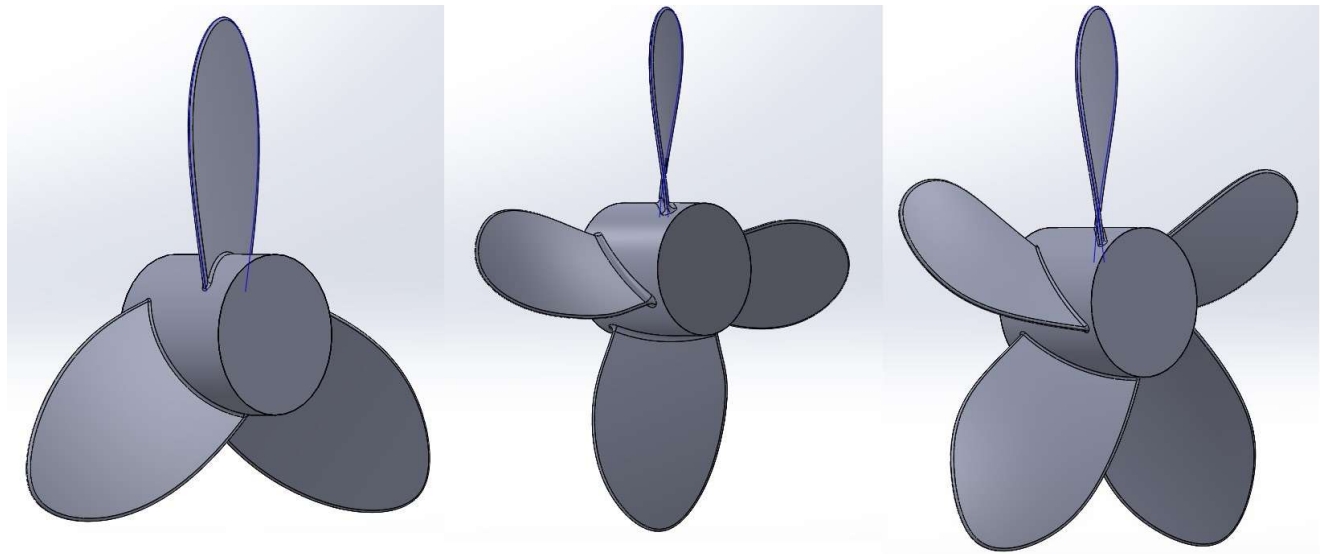
**Venue:** Zoom ID: 835 5921 3731

Passcode: 679050

**Organiser:** RINA North West Branch

**Contact Information:** RINA.NWBranch@gmail.com

## **A Presentation of Research into Air Lubrication on the hull of a ship as a drag reduction technique Presented by Mr. David Hitchmough**



Air lubrication is a promising technology that has seen continuing investigation and development over recent years. Advancement in computational resources has meant that it is now possible to carry out more advanced CFD simulations of the technology, and this has opened the opportunity for further research and development. With the improvement in resources this has raised additional questions about how to replicate the conditions and geometry in computer simulation. What is of particular interest in this area of research is determining the real-world benefit of the technology by assessing what potential detriments that may arise to the vessel's seakeeping function and propulsive efficiency, and these challenges will be discussed in this talk.

The talk is free and open to all those interested

Continued Professional Development	Certificate of Attendance at Technical Meeting by Branch Committee Member
Name .....	Signed .....