

Chair
Kevin Heaney

Vice Chair
Jake Rigby

Honorary Secretary
Tom Roberts
secretary.wjb@branches.imarest.org



Western Joint Branch

Technical Lecture

Application of novel technology for reducing underwater radiated noise from marine vessels & Design Challenge Launch

Speaker: Tom Smith

Date: 20th September 2021
Time: Webinar begins at 19:00
Venue: This lecture will be delivered through Zoom Webinar.

Summary:

Underwater radiated noise (URN) from marine vessels has grown significantly over past decades, and a growing body of research is highlighting the negative impacts this is having on marine life. The IMO has recently agreed to review its guidelines on reducing underwater noise, and a number of national and international bodies are discussing the introduction of mandatory noise targets for shipping. This talk introduces the problem of marine anthropogenic noise and discusses recent developments in our understanding of the impacts that commercial and other shipping is having on marine ecosystems. Proposed design methods and technologies for reducing URN are then discussed, focussing on emerging and novel technologies from a range of different industries.



Image: Courtesy of BAE Systems [<https://www.baesystems.com>]

Speaker:

Tom Smith is a Senior Naval Architect at BMT Group and has recently completed his PhD in mechanical engineering at University College London. His research interests are focussed on the numerical modelling of fluid-induced noise, and he has given numerous presentations and lectures on a wide-range of subjects, including hydro-acoustics, computational fluid dynamics and turbulence.

Register Now!

To register for the event: [Click the link here](#)

After registering, you will receive a confirmation email containing information about joining our webinar.



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



www.imarest.org

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