

RINA WESTERN BULLETIN

Technical Meeting Wednesday 9th October 2024 Flying Angel Club 76 Queen Victoria St, Fremantle 18:00 for 1830

Please join us for our first technical meeting in Fremantle for some time – we look to see all of you from Fremantle, Henderson and Rockingham joining us and hopefully many of you from the City too. No registration required this time, please just turn up – the meeting will be in-person only, no live-streaming or recording – as all pre-covid meetings used to be – we actually want to see you in person!

We have two excellent presentations, both of which should enhance your CPD, one on Hydrodynamics and one on Structures – what more could you want? (well: there will be some nibbles and the bar should be open)

The first presentation will be by **Dr Tim Gourley**:

Measured and modelled flow around container ships in shallow water

Container ships are the racehorses of the cargo shipping world, with fine lines designed to travel at high speed. In this talk, we discuss a linear method (SlenderFlow) and a nonlinear method (phFlow) for calculating flow around container ships at moderate-to-high speeds in shallow water. Wave patterns and dynamic sinkage and trim will be discussed. Results will be compared with full-scale measurements on container ships in the Fremantle shipping channels, and model-scale measurements on container ships in the Duisburg towing tank.

Dr Tim Gourley MRINA is a mathematician specializing in ship hydrodynamics. Through his company, Perth Hydro, Tim undertakes ship motion modelling and measurements, locally and internationally. Tim's experience with container ships includes conducting full-scale measurements on over 40 container ships in Hong Kong, Torres Strait, Fremantle and Napier, as well as coordinating international benchmarking exercises on container ship motions in shallow water.

The second presentation will be by the guys from **FUZE Solutions**:

Composite Ingenuity

Steel repair and replacement solutions that extend asset life, reduce maintenance downtime and increase revenue.

And now for a couple of WA Section announcements:

First:

This Western Bulletin is being sent out to all of you that are on HQ's current WA membership list – I would ask you to **please check with all of your colleagues that they have received it** – if they haven't, it means that either they have not advised HQ of their current email address, or that they are now in WA, or that their



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membership has lapsed – whatever the instance please have them contact me so that we can gather them back in to the fold.

Second:

We will have a stand again at the Fremantle Ports Maritime Day on 02 November – details to follow but please put this one in your diary too – all volunteers welcome, and also pencil in our next Technical Meeting and Sundowner in Perth on 11 December – details TBA.

Third:

There have been several changes to the WA Committee in recent weeks, so here we are:

RINA WA Section Committee

Chair	Ken Goh
Deputy Chair	Bernie O'Shea
Acting Secretary	Jim Black
Assistant Secretary	Nathan Chappell
Treasurer	Hadiqa Kahn
Division Council Rep	Tim Speer
Members	Vesna Moretti Yuriy Drobyshevski Anuj Sharma Roy Thomas

Any questions, comments, updates or whatever you want to communicate to us please contact me at:

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