

RINA WESTERN BULLETIN

Technical Meeting Notice

Topic:

Some recent developments in dynamic mooring analysis for ships

When: Wednesday, 14th October, 17:30 refreshments, 18:00 start
 Where: The Meeting Place Community Centre - 245 South Terrace, South Fremantle
 Cost: Free
 Registration: **REGISTRATION IS ESSENTIAL 22 Seats Only** [Register Here](#)
 Online Registration: [Register Here for Online Attendance](#)

WA Section RINA Committee

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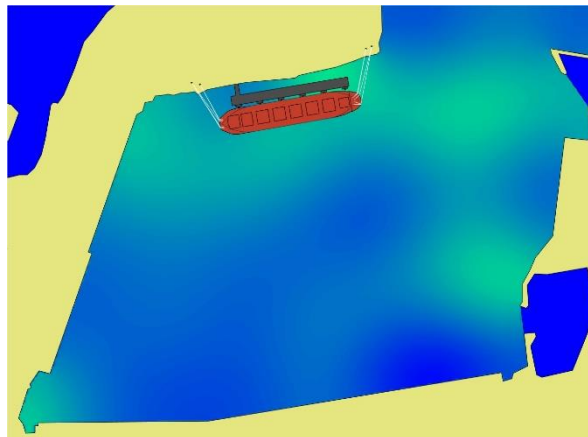
Some Recent Developments in Dynamic Mooring Analysis for Ships

Dr Tim Gourlay
Perth Hydro, MRINA

Abstract

This presentation gives an overview of some recent research in dynamic mooring analysis, as it applies to shipping in Western Australia. Topics to be covered include:

- Collaborative research with Marin on side-by-side moored ship motions in waves
- Collaborative research with University of Ghent on passing ship effects for 400 m containerships
- A coupled ship and harbour method for dynamic mooring analysis in Geraldton
- The effect of long waves and second-order wave loads on moored ship motions
- Multi-year hindcasts of moored ship motions on the Pawsey supercomputer



About the Presenter

Tim Gourlay is a mathematician who likes to climb ship pilot ladders. As founder of Perth Hydro in 2016, he undertakes ship hydrodynamics computer modelling and full-scale measurements for companies in Western Australia. He is the author of MoorMotions, SlenderFlow and SubmarineFlow software, and a regular user of WAMIT and OCTOPUS ship motion software. He has undertaken over 70 ship motion trials on bulk carriers, tankers, container ships and cruise ships in Hong Kong, Torres Strait, Broome, Port Hedland, Geraldton, Fremantle, Albany and Esperance, as well as wake and wave-induced motion trials on many smaller vessels.

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RINA NEWS & Events

Committee Updates

The committee has an opening for a position of an Advertising Manager for RINA Australian Naval Architect publication. The role is a voluntary position, to identify possible ANA advertisers and establish personal contact. If anyone is interested, please reach committee for further details on WA@rina.org.uk

We encourage feedback and are more than happy to speak with anyone who would like to know more information about the Committee activities. The Committee can be contacted on: WA@rina.org.uk

Australian Naval Architect

Sadly, ANA news was a little slow this past quarter, please start thinking and composing your news so we can again have a strong representation from the WA Section.

WA Naval Architects Recognitions

We would like to recognise and feature our sections naval architect's achievements in our western bulletin, if you have any memberships status change, accreditation, etc to include, please send them to wa@rina.org.uk.



LinkedIn

Join for event updates and discussion.

[Royal Institution of Naval Architects \(RINA\) – WA Section](#)



YouTube

RINA now has a YouTube channel where presentations from around the world will be made available, click the following link to check out what has already been uploaded:

https://www.youtube.com/channel/UChb1sfHbWfQmG-iwpp_QGJg

RINA WA Section Library

The library is now located at Bentley Systems. Access to the library can be arranged by contacting:

Daniel Veen: Daniel.Veen@bentley.com

James Clarkson: James.Clarkson@bentley.com

Catalogue in Excel format is available at <https://www.rina.org.uk/walibrary>

Continuing Professional Development (CPD) Record

This is a reminder that all Fellows, Members and Associate-Members who are in or seeking active work must maintain and develop their competence and knowledge. This requirement is obligatory. The Institution reserves the right to monitor a member's CPD achievement through inspection of the CPD Record. More information on the CPD and recommendations on the format of the Record can be found on the website:

https://www.rina.org.uk/continuing_professional_development.html

Upcoming Technical Presentations

RINA WA is always looking for interesting technical presentations and people to present them. If you have a topic or know of someone who does, please feel free to contact the WA section and we can look at getting it added to our event calendar.

We can advertise your business here, Please contact at wa@rina.com.uk