

RINA WESTERN BULLETIN

Technical Meeting Notice

Topic:

Novel Platforms for Research Vessels

When: Wednesday, 16th October, 17:30 refreshments, 18:00 start

Where: [Engineers Australia - Auditorium, 712 Murray St, West Perth](#)

Cost: Free

Registration: Not required for this event.

WA Section RINA Committee

Chairperson: Sammar Abbas
Vice Chair: Kenneth Goh
Secretary: Matthew White
Treasurer: Cheslav Balash
Members: Tim Gourlay
Andy Phillips
Gino Parisella
Ian Milne
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Nathan Chappell
Syed Zaidi

Division

Representative: Kalevi Savolainen

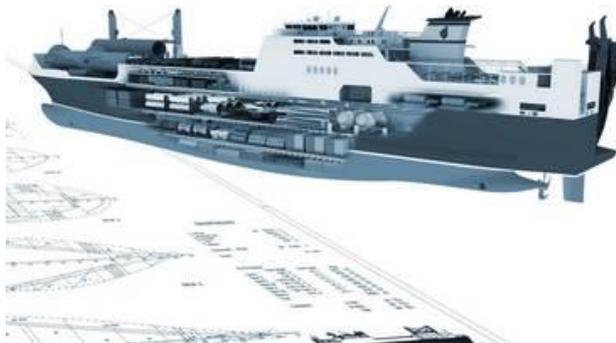
Presentation:

Novel Platforms for Research Vessels

Ken Goh, John Chappell - Knud E Hansen Australia

Abstract

Research vessels are normally based on fishing and offshore vessels owing to the similar type of handling operations required on the aft of the vessel. While a displacement monohull has proven to be a good platform for this purpose, they are challenged with low efficiency, poor seakeeping and limited deck space, especially on smaller vessels. The authors investigate the use of alternative hull forms to meet the challenging operational environment and the benefits they can provide over a standard monohull. Renewable and hybrid energy systems have also been applied resulting in a design that has better performance, comfort, functionality and flexibility at a significantly lower operating cost.



About the Presenter

Ken Goh is a Senior Mechanical Engineer and the Managing Director for Knud E Hansen Australia. The company specialises in ship design of many types of highly customised vessels including jack-up vessels, cruise ships, yachts, ferries, naval vessels and icebreakers and is active in Asian, European and American markets.

Recently he led the successful concept design for the new Australian Antarctic research and supply vessel to be delivered in 2020. He is currently undertaking research in renewable energies and autonomous operations for future shipping and advocating virtual reality technology for design and engineering of complex naval projects.

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RINA NEWS & Events:

Maritime Day

RINA WA Section is proud to announce that we will have a booth at the 2019 Fremantle Maritime Day.

Event Details

Fremantle Ports are again hosting a World Maritime Day celebration at Victoria Quay. As part of the celebration, there will be over 90 displays and attractions for the public to interact with and to celebrate the maritime industry in WA. Further details of the overall event can be found in the attached [flyer](#).

When and Where

10am – 4pm

2nd November 2019

[Victoria Quay, Fremantle Port](#)

Lego Competition

RINA Western Australia will be holding a kids' Lego competition at our stand on World Maritime Day. This is a fun event aimed at getting RINA members' families involved with the day. The competition is open to all kids 15 years and under. You can build any type of boat or ship out of Lego, but it must be an original design (not following a kit). Please bring your Lego creation along on the morning of Maritime Day, or drop it off the day before, so we can display it at the RINA stand throughout the day. Entries will be judged in the afternoon and the winner will receive a Lego prize. For further information, please contact Tim Gourlay on 0416 328883, or tim@perthhydro.com.



RINA WESTERN BULLETIN

RINA NEWS & Events:



In 2020, the WA Section of RINA will again be hosting a Knowledge Forum, entitled 'Offshore Marine Technology'.

Call For Speakers

We are seeking speakers to give a 20-minute presentation, followed by 10-minutes of questions on any of the following topics:

"Floating Solutions": Fixed and Floating Offshore Structures

"Offshore Operations": Ships for Offshore Operations, Offshore Installation

"Marine Renewable Energy": Renewable Energy Offshore Structures and Systems

Further details, including submission requirements and evaluation criteria can be found in the attached [flyer](#) or by clicking on the image below. Final submissions must be received by the 20th November 2019.



AOG AUSTRALASIAN OIL & GAS EXHIBITION & CONFERENCE
11-13 MAR 2020
PERTH CONVENTION AND EXHIBITION CENTRE

AOG KNOWLEDGE FORUM
RINA STREAM: OFFSHORE MARINE TECHNOLOGY

CALL FOR SPEAKERS

Every year, AOG hosts dedicated, free-to-attend conference forums. The Knowledge Forum brings together specialised sectors to discuss the latest technologies, innovations and challenges currently being faced by the industry.

In 2020, the Royal Institution of Naval Architects (RINA) are again hosting a whole day stream of the Knowledge Forum, entitled 'Offshore Marine Technology'.

We are seeking speakers to give a 20-minute presentation, with 10 minutes of dedicated question time at the end. No written papers are required.

SESSION TOPICS:	SUBMISSION CRITERIA:	EVALUATION CRITERIA:
<ul style="list-style-type: none"> We are seeking technical and / or commercial submissions for the following three sessions: "Floating Solutions": Fixed and floating offshore structures "Offshore Operations": Ships for offshore operations, offshore installation "Marine Renewable Energy": Renewable energy offshore structures and systems 	<ul style="list-style-type: none"> • Presentation title • Speaker name and affiliation • Session name (to be chosen from the three session topics) • Abstract (maximum 300 words) for the presentation • Speaker bio (maximum 200 words) including the speaker's history of involvement with the chosen topic • Approved company clearance to present the material 	<ul style="list-style-type: none"> • Submissions will be evaluated based on their technical content, innovation and relevance to the offshore industry • Submissions referring to case studies will be highly regarded • Prior to submission, company and joint venture clearance must be obtained • Ideally your submission will not have been presented before and should contain new information

Two presentations will be selected for each of the session topics and will be evaluated based on their technical content, innovation and relevance to the offshore industry.

Thanks to the support of our hosts and sponsors, delegate attendance to the Forum will be complimentary.

Submissions are due by 20th November 2019, to be uploaded via the AOG portal at www.aogexpo.com.au/RINA-Call-For-Speakers

Queries can be directed to the Technical Chair, Dr Tim Couvry, by email to tim@timcouvry.com.au, or phone +61 436 326 883.

Full event details will be communicated in future Western Bulletins however if you would like to know more please don't hesitate to contact the committee at WA@rina.org.uk.

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RINA NEWS & Events

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.

The current event program can be found below:

Date	Topic #1 / Author	Topic #2 / Author	Venue
2 nd Nov 2019	Fremantle Maritime Day		B Shed, Fremantle
11 th Dec 2019	The effects of structural ageing of surface vessels - Bruce Cartwright	Some recent developments in dynamic mooring analysis for ships - Tim Gourlay	Engineers Australia, West Perth
Feb 2020 TBC	Why yacht rudders fail - Kim Klaka	TBC	The Meeting Place, Fremantle
11-13 Mar 2020	AOG 2020		Perth Exhibition Centre

Committee Updates

The WA Committee has recently welcomed Syed Zaidi as a new casual committee member. Syed will be assisting the WA Section committee and the AOG sub-committee in organizing the many upcoming events we are hosting. Please make him feel welcome the next time you see him.

Whilst the committee is now at capacity with Syed joining us, we still 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

Thank you to all those who responded to our call for news for the ANA, it won't be long until we are asking again so please start thinking and composing your news so we can again have a strong representation from the WA Section.



LinkedIn

Join for event updates and discussion.

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

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

Western Bulletin Sponsorship

The RINA WA Section Western Bulletin is currently looking for sponsorship for the next financial year. If you or your company would be interest, please get in contact with the us (WA@rina.org.uk) to discuss what options are available.