

RINA WESTERN BULLETIN

Technical Meeting

Wednesday, 18 July, 17:30 refreshments, 18:00 start
Engineers Australia - Auditorium,
712 Murray Street, West Perth

Tender-Assisted Drilling on a Floating Platform off WA – A Case Study

Tender-Assisted Drilling on a Floating Platform off WA – A Case Study

Jinzhu Xia,
FRINA

Abstract

Tender-assisted drilling (TAD) on dry tree floating production platforms is an economic production drilling solution that has been successfully applied in benign metocean conditions. The objective of this talk is to provide an overview of a station-keeping feasibility study for tender-assisted drilling on a tension leg platform (TLP) dry tree unit (DTU) in the harsh metocean environment offshore North-West Australia (NWA).

About the Presenter

Jinzhu's work extensively covers concept selection, design, installation and operation of offshore oil and gas facilities such as FPSOs, Semis, TLPs and Spars for deep water application. He has worked in significant roles in offshore oil and gas projects for energy companies such as Woodside, Shell, Santos, Hess and Chevron in different parts of the world. Jinzhu was a member of the International Ship and Offshore Structures Congress, 2000-2006.

Registration

Please sign attendance sheet on arrival at the venue. No pre-registration is required for this event.

WA Section RINA Committee

Chairperson: Sammar Abbas
Vice Chair: Alex Mosnier
Secretary: Matthew White
Treasurer: Andy Phillips
Members: Tim Gourlay
Cheslav Balash
Gino Parisella
Yuriy Drobyshevski
Nick Bentley
Ian Milne
Jinzhu Xia
Mike Priestly

Division
Representative: Kalevi Savolainen

RINA NEWS & Events

WA Section Committee

The WA Committee has undergone some changes after the recent AGM and committee meetings. We would like to congratulate the new Chairperson (Sammar) and Vice-Chair (Alex) on their new positions. The committee would also like to thank outgoing Chairperson and Vice-Chair, Yuriy and Nick, for their contributions to the Section. Whilst the committee is now at capacity, 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

[WA Section LinkedIn Page](#)

Linked-in page: The Royal Institution of Naval Architects – WA Section. All members are encouraged to follow!

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Letter from the Chairperson

Respected RINA Members – WA Section,

I submit my humble gratitude to all of you for providing me an opportunity to serve RINA WA section. Taking over such a big responsibility, I cannot refrain myself from praising the outgoing Chairperson Mr. Yuriy Drobyshevski and Vice Chair Mr. Nick Bentley for the contribution they made not only to keep our WA section active but also for building consistently the professional excellence of RINA within very limited available resources. I would also like to congratulate Mr. Alex Mosnier for his election as Vice Chair, Matthew White for being elected as the Secretary and other Committee Members who came forward to support our institution we all are proud of to be its part.

We have a very exciting time ahead of us. The oil and gas sector has just started recovering from the recession with an increase in oil prices. On the other hand we are about to become the part of a historically enormous boom in the Australian defence maritime industry which is being anticipated not to last till next couple of decades. In this boom we should expect the building of twelve OPVs, nine frigates and twelve new regionally superior submarines with an investment of AU\$ 90 Billion approximately by the Commonwealth over the next coming decades.

Though a slow paced but a sustainable come back of oil and gas industry in coincident with the boom in defence maritime industry would certainly revolutionise the Australian maritime industry in general and defence shipbuilding industry in particular. I believe that maritime engineers and naval architects would be the main beneficiaries of this forthcoming shift in our maritime industry as they will be having a lot of career choices and aspirations to accomplish. At the defence maritime fronts a golden era of learning, upskilling, innovating and taking Australian defence maritime industry to the new heights is about to set in for the Naval Architects and Maritime Engineers. The Naval Architects have always been recognised for their very distinguished contribution in the society in general and for maritime industry in particular. At this stage when we are at the verge of entering into a new era, we have a number of challenges to be overcome in order to play our part in the Australian defence maritime industry in particular.

A part of my vision for RINA WA section is to engage our existing and future Naval Architects at a much broader level to create awareness among them about the upcoming challenges, the role they can play and how the young engineers from relevant technology background can transform their skills and knowledge to become the naval architects of the future. The Commonwealth and the industry are predicting a huge demand of shipbuilding professionals for the upcoming naval shipbuilding projects. Furthermore, we are also very fortunate to be based in Western Australia which has a strategic importance in the Commonwealth's naval ship building program. I believe that there is a great opportunity for RINA to support the Commonwealth in accomplishing their plans to develop a highly skilled workforce of ship building professionals. I also believe that we need a very strong engagement of WA's defence maritime industry with RINA WA section so that we could support the industry in achieving their strategic objectives particularly for imminent naval shipbuilding program.

In order to bring these aspirations into reality, we all will have to work together. Great news is that we have now a very resourceful and experienced Committee representing RINA WA Section. Our team would be working on different plans aligned with our vision. However, we can never succeed without the support of our highly valuable members. I would like to take this opportunity to encourage all our WA Section members to get involved with your institution by attending the Technical Meetings, re-joining the institute if you are no more a financial member, presenting your knowledge and experience using technical meetings platform, providing feedback for improvements and by getting involved in a number of volunteering opportunities awaiting your participation.

I, on behalf of the Committee of RINA WA Section, once again thank you very much for your continued support and we look forward for your positive participation in the coming days.

Sammar Abbas

Chairperson – RINA WA Section
P.Eng, MIEAust, MRINA
Marine Engineer – Class 1 (AMSA)
Accredited Marine Surveyor

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Proposed Future Technical Presentations

Below is a list of the proposed technical meetings for the remainder of 2018. The WA Section is inviting proposals from members, industry professionals and academia for new papers and presentations at the future technical meetings. Please contact us via e-mail: WA@rina.org.uk.

Any updates to the below program will be advised in future issues of the RINA Western Bulletin and via the [Linked-in](#) page.

- **18 July 2018 – Engineers Australia (West Perth):**
 - Tender-Assisted Drilling on a Floating Platform off WA – a Case Study - Jinzhu Xia, FRINA
- **19 September 2018 – TBC (Fremantle):**
 - Marine Archaeology – Plank sewing systems of the Indian Ocean: their efficacy, strength, durability and flexibility - Tom Vosmer (WA Maritime Museum, UWA)
 - Some recent developments in ship wave-induced motions prediction and measurement, Tim Gourlay (Perth Hydro)
- **21 November 2018 – Engineers Australia (West Perth):**
 - Updating green water design methods using CFD insights - Lifan Chen and Xiantao Zhang (UWA)
 - TBC

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

RINA News & Events

The Australian Naval Architect

All members are welcome to provide any industry updates for the Australian Naval Architect including people movements, new projects, current project updates and articles. Please send any updates to Tim: tim@perthhydro.com

RINA WA Section Library

The library has been moved to the new premises (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>

WA Section AGM

The WA Section AGM was held on the 23rd May 2018. A copy of the meeting minutes can be obtained from the Section Secretary: WA@rina.org.uk

IMarEST News & Events

Next meeting of IMarEST WA Branch is planned to be held on Wednesday, the 15th of August 2018, at Flying Angel Club, 76 Queen Victoria Street, Fremantle, with parking at the rear on Beach Street. Meetings commence with refreshments at 17.30 for 18.00 to start. The presentation topic will be advised later; stay tuned for the IMarEST West Coast Bulletin.





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marineperth@intecsea.com
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