



western australian
marine science institution



THE UNIVERSITY OF
WESTERN AUSTRALIA
Achieving International Excellence

Marine science for offshore and coastal engineering

1pm – 6pm (Drinks 6pm-7pm) Tuesday 25 August 2009

University Club of Western Australia
The University of Western Australia, Entrance number 1 off Hackett Drive, Crawley

To register email Kay Horn on hornk@sese.uwa.edu.au or telephone (08) 6488 1374.

Hear about Western Australia's latest expert oceanographic research covering the effect of climate change on large ocean-based industries.

The symposium, Marine science for offshore and coastal engineering, is a series of presentations covering offshore and coastal engineering.

It is being hosted by the Western Australian Marine Science Institution (WAMSI) and UWA.

UWA's most senior ocean engineering researchers will focus the discussions on the North West Shelf where research on coastal engineering, fisheries and other environmental issues is taking place.



PROGRAM

1. Winthrop Professor Greg Ivey, Leader WAMSI Node 6, School of Environmental Systems Engineering, UWA. *Introduction and overview of WAMSI Node 6 research program*
2. Winthrop Professor Chari Pattiaratchi, School of Environmental Systems Engineering, UWA. *Introduction to WAMSI Project 6.1 + Sea level variability*
3. Mr Matt Eliot, School of Environmental Systems Engineering, UWA. *Coastal flooding and storminess of south-west Australia*
4. Dr Ivan Haig, School of Environmental Systems Engineering, UWA. *Numerical modeling of storm surges in south-west Australia*
5. Mr Stan Stroud, Woodside Energy Ltd. *Climate change modeling and future tropical cyclones off NW Australia*
6. Mr Michael Garvey, RPS MetOcean. *Animation of non-linear internal wave manifestations from current meter measurements*
7. Assist. Professor Mike Meuleners, School of Environmental Systems Engineering, UWA and DHI. *Modeling internal wave dynamics on the Australian North West Shelf*
8. Ms Cynthia Bluteau, School of Environmental Systems Engineering, UWA. *Field observations in the turbulent bottom boundary layer on the Australian North West Shelf*
9. Mr Matt Rayson, School of Environmental Systems Engineering, UWA. *Dynamics of the Browse Basin*
10. Assist. Professor Mike Meuleners, School of Environmental Systems Engineering, UWA and DHI. *Cyclone modeling on the Australian North West Shelf*
11. Dr Kenji Shimizu, RPS MetOcean. *Preliminary results of internal tide modeling*
12. Dr Geoff Wake, Woodside Energy Ltd. *Small scale eddies off the NW Cape as affecting offshore drilling and construction operations*
13. Winthrop Professor Chari Pattiaratchi, School of Environmental Systems Engineering. *Slocum ocean glider deployments along the Two Rocks transect*
14. Winthrop Professor Greg Ivey, Leader WAMSI Node 6, School of Environmental Systems Engineering, UWA. *Closing comments.*

Afternoon tea break

Post Symposium drinks

www.wamsi.org.au

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