

South Australia combined activity

The Institute of Marine Engineering Science and Technology
Royal Institution of Naval Architects
email: danielle.hodge@defence.gov.au



Invitation to attend the

Date: 18th May 2011

Time: 5.30pm for 6pm start

Venue: SARDI, 2 Hamra Avenue, West Beach, SA 5024

Registration: secretary.ausea@imarest.net

Marine biosecurity: stemming the tide

Presentation Synopsis

Growing world population, international trade, passenger movement and climate change mean that societies face new challenges from pests and diseases. Non-native species, spread by ballast water, aquaculture, the ornamental fish trade and a range of other vectors can have serious ecosystem impacts on environments in which they become established. Ballast water carried by ships is one of the most important vectors of invasive species and the International Maritime Organisation (IMO) Convention for the Control and Management of Ships' Ballast Water and Sediments sets standards for ballast water management. The standards can be met in a number of ways but oceanic exchange and treatment of ballast water are the most common methods. Current and proposed technologies will be outlined and the implications of these technologies for the broader marine environment will be discussed.

Guest speaker, Marty Deveney, of SARDI Aquatic Sciences

Marty received a PhD for work on taxonomy and biology of flatworm parasites of fish from the Department of Molecular and Microbial Sciences at The University of Queensland. He joined the Department of Primary Industries and Resources, South Australia (PIRSA) in 2001 where he had responsibility for managing aquatic animal health policy in South Australia. He contributed to the development of Australia's aquatic animal health policy, AQUAPLAN and its response plan for aquatic animal health emergencies AQUAVETPLAN. Marty is a co-opted member of the Australian National Aquatic Animal Health Technical Working Group. He has been Subprogram Leader, Marine Biosecurity at the South Australian Research and Development Institute (SARDI) since 2007. His current research focuses on the environmental effects of invasive species, including the alga *Caulerpa taxifolia*, on developing technologies for pest detection and on treatments for managing pests and diseases in the aquatic environment.

Who should attend

Students of marine biology and allied sciences, marine scientists, marine engineers, naval architects, master mariners, vessel superintendents, vessel owners and anyone with a keen interest in ballast water and technologies associated with its management.

Note: This flyer can be circulated to anyone with an interest in the topic above.

Venue:

South Australian Research and Development Institute (SARDI)

