



RINA/IMarEST Technical Presentation

Hydrodynamics of High-speed Marine Vessels

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| Speaker: | Lawrence Doctors Professor Emeritus, UNSW Sydney |
| Date | Wednesday 7 June 2017 |
| Venue: | Room 101, Ainsworth Building Mechanical and Manufacturing Engineering UNSW Sydney Anzac Parade Kensington |
| Refreshments: | 6:00 pm |
| Presentation: | 6:30 pm |

This presentation is based on Em/Prof. Doctors' recently-published book with the same title, in which the resistance of various advanced marine vessels can be analysed in a unified manner using linear theory in different forms. Vessels considered include monohulls, catamarans, trimarans and other multihulls, air-cushion vehicles, surface-effect ships, and planing craft.

Recent interests of the presenter include the hydrodynamic behavior of transom sterns, which are characteristic of many of these vessel types, as well as skirts and seals, these being essential for the efficient operation of air-cushion-supported craft. The talk will be illustrated with comparisons between theory and experiment and by images of various prototype vessels.

Note Please note the venue at UNSW Sydney. There is free street parking around the university at 6:00 pm, or parking (for a fee) on the top level of the Engineering Car Park (entry via Gate 14 in Barker St). By public transport, buses go along Anzac Parade to the university from Eddy Ave at Central Railway and Circular Quay. The Ainsworth Building is the re-named Mechanical and Manufacturing Engineering Building following refurbishment.