

Motorsport to Marine

BMF Technical Day at the London International Boat Show

Premier Suite, ExCeL

from 10.30am to 2pm, 14 January 2009

The BMF has kindly agreed to offer FREE entrance to MIA members* to the London Boat Show on January 14th.

BMF will be hosting this showcase of the latest technology and research available to the marine sector where engineers from both sectors can meet, learn and interact. **The Motorsport to Marine** theme will encourage technology and knowledge transfer opportunities between the marine and motorsport sectors. Motorsport Industry Association members are invited to join BMF members and enjoy excellent business and technical networking opportunities.

Nigel Calder, an expert and author in marine mechanical and electrical systems will present the latest technology developments and trends in marine electrical and mechanical systems, including hybrid propulsion and electronic control systems and an update of the EU Framework 7 project on hybrid marine propulsion. Ken Wittamore of Triskel Marine will explain more about this collaborative R&D project and what it hopes to achieve.

Motorsport will be represented by Ricardo, the world leading design, development and research company in internal combustion engines and systems. Ricardo will show how the latest high performance automotive diesel engines are being applied to marine applications for improved efficiency, weight reduction and refinement and the potential to exploit further automotive engine developments in marine applications.

Wirth Research is an innovative engineering group specialising in the motorsport and other high technology sectors. They have extensive capabilities in virtual engineering technology, simulated track testing and vehicle development that can avoid the expense of building or testing prototypes, and undertake rapid design, development and manufacture of new products in a variety of materials.

The London Boat Show (see www.londonboatshow.com) opens from 10 am until 7pm on January 14th – leaving plenty of time following the Technical Programme to walk the show.

*Tickets are strictly limited – so apply NOW to secure yours (restricted to TWO per MIA full member – ONE to Professional and Associate members)

Provisional programme

10.30 Registration and welcome refreshments

Marine Technology developments and trends

- 11.00 **Nigel Calder** - Latest developments and trends in marine systems
11.40 **Nigel Calder** - HYMAR Marine hybrid propulsion project - Technical background and challenges to this EU FP7 funded project
12.10 **Ken Wittamore, Triskel Marine, Fowey** - HYMAR project -from the present state addressing the challenges to create a viable system
12.30 Refreshment break

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- 12.50 **Dave Morrison, Ricardo, Shoreham-by-Sea** - Automotive based diesel engines for leisure marine applications - opportunities for improved efficiency, refinement and weight reduction
13.20 **Tim Cunningham, Wirth Research, Bicester** - Innovation and virtual engineering in the design, testing and manufacture of new products
13.50 Closing remarks and close of BMF Technical Day

To register for this FREE event please contact brian.kinzie@the-mia.com or call +44 (0) 2476 692600