

Mechanical Engineering Group *August 2012 Presentation*

Southern Spars the design process

Southern Spars are world leaders in super yacht and race yacht spar design and manufacture. Come and listen to design engineer James Ledingham telling us about the design process including; load calculation, rig bend simulation, and composite laminate engineering.

This presentation will give us a fascinating insight into the design and function of yacht rigging with examples from recent projects such as a 50m super yacht and a 30m high performance race boat, along with an appreciation of the technology employed by Southern Spars including their new rig-calc program, which is designed to bring together information from a number of sources to streamline the design process, and design validation using full scale load testing/monitoring. The presentation will also cover the Thin Ply Technology (TPT) that Southern Spars have recently implemented – the idea behind it, the benefits it provides, and the modifications necessary to production processes in order to implement it.

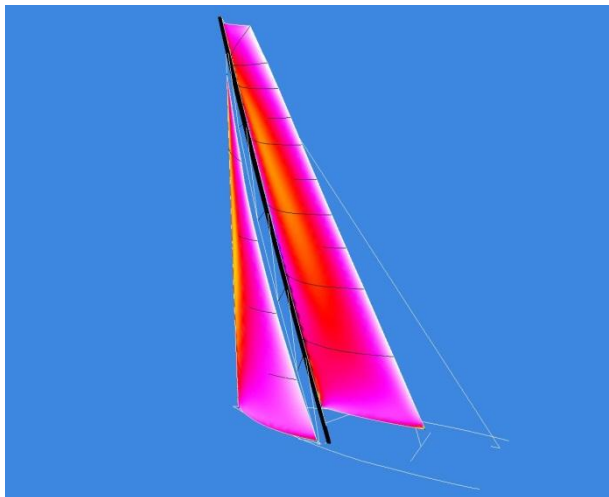
PRESENTERS: James Ledingham (BE Mech).

DATE: Thursday 16th of August 2012

TIME: 6.00 for 6.30pm
Refreshments, and
Networking

PRESENTATION: 6.30 - 7.30pm

VENUE: Industrial Research Limited
Lecture theatre
Brooke House
24 Balfour Road
Parnell



All are welcome - please RSVP to Geoff Bates, g.bates@irl.cri.nz