



Wcgce\_notice June 2011

## NOTICE OF EVENING PRESENTATION – JUNE 15, 2011

**TOPIC:** RAVE tug - Application, Hydrodynamic Characteristics and Manoeuvrability

Presenter: *Dr Oscar Lisagor, Vice President, Naval Architecture, Robert Allan Ltd, Canada*



### PRESENTATION OUTLINE:

The RAVE Tug (Robert Allan Ltd-Voith Escort) is a new concept for a highly manoeuvrable, high-performance escort tug which has been jointly developed by Robert Allan Ltd and Voith Turbo Marine. The unique characteristic of the RAVE concept is the longitudinal alignment of two Voith drives in contrast to the more conventional transverse configuration.

The RAVE design concept offers very precise and improved force generation characteristics, which is necessary not only for the demands of indirect escort towing, but is also very important for working in narrow confined harbour and channel areas. The RAVE Tug uses the variable pitch characteristics and the X/Y- logic of two Voith Schneider Propellers for optimum power allocation and precise manoeuvring.

The performance and configuration optimisation of the RAVE Tug is being actively documented through an extensive series of model-tests and CFD

analysis. It has also been tested in Voith's shiphandling simulator. The results presented will compare the calculations and test measurements, and demonstrate the manoeuvrability of the tug.

Presenter bio:

Dr Oscar Lisagor holds a Ph.D. in Naval Architecture (Ship Design and Construction) from the St. Petersburg Shipbuilding University in Russia. He is a member of the Society of Naval Architects and Marine Engineers and a Licensed Professional Engineer (British Columbia). As the Vice president at Robert Allan he is responsible for direction of ship design procedure, hull shape, vessel performance/stability prediction, internal standards, quality assurance, planning and comprehensive design checks.

Dr Lisagor has authored more than 40 publications on design of complex ships for geological survey and ocean research, drilling support vessels, the world's most powerful tug boats, cement container ships and more.

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DATE:	<b>Wednesday JUNE 15, 2011</b>
TIME	<b>7:00 pm – 9 pm</b>
VENUE:	Conference floor, <b>Holiday Inn,</b> <b>4405 Central Boulevard, Metrotown, Burnaby, V5H</b> <b>(Free guest parking</b> in basement off Central Blvd, <b>Sky Train</b> Metro station is across the street)

**REGISTER:** Please phone CARINE at 604-931-2201, or email [deridderg@shaw.ca](mailto:deridderg@shaw.ca) by end of **Tuesday June 14** to reserve a seat.

*This event is provided **free of charge**, includes a coffee table and welcomes all interested members and guests.*

**If you prefer to receive the Notice by land mail or no notice at all in future, please notify us by email or letter to 1325 Lemax Ave, Coquitlam, V3J 2C1.**