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**THE ROYAL INSTITUTION OF NAVAL ARCHITECTS  
LONDON BRANCH**

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***THURSDAY, 7 JUNE 2018***

**“REDUCING FUEL CONSUMPTION AND EMISSIONS  
IN HARBOUR TUGS: AN OPERATOR’S VIEW”**

By

**RICHARD J. YOUNG, MEng CEng MRINA MIMarEST**  
TECHNICAL BUSINESS PROCESS OWNER  
SVITZER EUROPE

*Meeting to be held at*

***Lloyds Register, 71 Fenchurch, London, EC3M 4BS***

*At 17:45 for 18:15 hours (duration approximately 1 hour)*

Tug boat companies are faced with the dilemma of wishing to reduce fuel consumption and associated emissions while safety and support are provided to their customers' need.

In this presentation, an overview will be given on the work being carried out by Svitzer to understand and optimise their fuel consumption. This will cover practical sea trials, theoretical modelling, simulation, remote monitoring and performance tracking.

**ALL ARE WELCOME**

PLEASE CONTACT THE HONORARY SECRETARY, MS. LOURDES ELONA-LILLEY, FRINA AT [london.rina44@gmail.com](mailto:london.rina44@gmail.com) FOR BOOKINGS AND ADVISE IF A CONTINUING PROFESSIONAL DEVELOPMENT (CPD) CERTIFICATE IS ALSO REQUIRED.

PLEASE ALSO ADVISE YOUR COMPANY OR SOCIETY AFFILIATION. IF YOU ARE STUDENT, PLEASE INFORM YOUR UNIVERSITY/COLLEGE AFFILIATION.

**PRE-BOOKING IS ESSENTIAL TO SECURE A PLACE. PREFERENCE WILL BE GIVEN TO THOSE WHO HAVE REGISTERED.**