



RINA AFFAIRS

AUGUST/SEPTEMBER 2013

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



At the SGM on 24 April, the Resolution to change the By Laws as required to appoint a Board of Trustees as the governing body of the Institution was adopted. Since the Institution has a Royal Charter, such changes require the approval of the Privy Council.

There has been a significant increase in both the scale and scope of the Institution's activities since its foundation, reflecting the changes to the naval architecture profession, the maritime industry and the nature of the Institution's membership. The impact of this has been to change the fundamental role of the Council from one of managing the Institution to one of directing its management. The complexity of the modern Institution's affairs prompted the delegation of Council's

authority to the lowest sensible level, wherever permitted by the Charter and By Laws, whilst having in place the means by which to satisfy itself collectively that such authority is being properly exercised. However, as its governing body, the Council remained responsible and accountable to its members for the proper management of the Institution.

Since 1964, the Institution has been registered as a charity in accordance with the UK Charities Act, by virtue of its educational role. Such registration provides significant financial advantages for an organisation based in the UK, albeit an international organisation in respect of its membership and activities. The governance of a charity is vested in its Trustees. Members of Council are therefore ipso facto, the Trustees, and are legally responsible to the UK Charity Commission for the proper management of the Institution as charity, in accordance with the Charity Commission's requirements and guidelines. It is a requirement of the Charity Commission that all charities regularly review their governance structure to ensure that the organisation and composition of Trustees remains effective, and meets the needs of the charity.

Whilst confident that the Institution is being properly managed, Council was also aware that a governing body of the current size of the Council at 40+ is not conducive to either the efficient management of any organisation, or the ability to respond quickly and effectively to changing requirements. The Council recognised that not all members of Council will have the time or opportunity to achieve and maintain the skills and knowledge required of a Trustee, particularly with regard to financial management. Council therefore considered that the creation of a smaller Board of Trustees as the governing body of the Institution would provide more effective management of the Institution today as well as complying with the Charity Act. Such a Board would be appointed by Council, from members of Council.

The changes to the By Laws have now been approved, and the Council has appointed the following members of Council as members of the Board of Trustees:

P French (President and Chairman), N P Pattison (Vice Chairman), A Marsh, E Tupper, F Spencer, D J Andrews, A King, P Wrobel, J Frier, R Gehling, B Rosenblatt, J Black

The Objects, By Laws and Regulations of the Institution (July 2013) may be viewed online at www.rina.org.uk/by_laws_regulations1.html

IN THIS ISSUE

Board of Trustees

Council has appointed the first members to the Board of Trustees.

People in the News

The achievements of students in Singapore, Malta and the UK are recognised by the presentation of RINA Student Awards. The Institution congratulates all winners of these Awards.

Local meetings

Meetings of Branches and Sections in Australia, Pakistan and the UAE provided members with the opportunity to meet with other maritime professionals in their area.

Change of address

Are you no longer receiving your copies of the Institution's journals? Could that be because you have not let the Institution know of your change of address?

New Headquarters

The Institution is now operating from its new Headquarters at 8-9 Northumberland Street. The Chief Executive looks forward to welcoming members to the Headquarters.

Letters to the Editor

A generous offer of shipbuilding photos in Kuwait and the UAE has been made.

Ship Efficiency: The Guide

Members of the Institution are offered a reduced price on the publication *Ship Efficiency: The Guide* (2nd Edition)

Ship Safety

The Institution contributed to the recent Symposium on Future Ship Safety, organised by the International Maritime Organisation

N Z Division

Ted Ewbank FRINA has been elected President of the New Zealand Division.

The Division and Headquarters assisted Careers NZ to update its online information for Naval Architect/Boat designers that you helped update. The information may be viewed at www.careers.govt.nz/jobs/architectural-technical-design/naval-architectboat-designer/how-to-enter-the-job.

New South Wales Section

The NSW Section held its 15th AGM on the evening of 6 March, following the March technical presentation and the Australian Division AGM in the Harricks Auditorium at Engineers Australia, Chatswood, attended by 16 with Alan Taylor in the chair. Alan welcomed the Chief Executive of RINA, Trevor Blakeley, to the meeting.

Adrian Broadbent, Lead Specialist, Naval Business, with Lloyd's Register Asia, gave a presentation on Maintaining the LHDs in Class to a joint meeting with the IMarEST attended by 56 on 6 March in the Harricks Auditorium at Engineers Australia, Chatswood. Adrian's presentation was not recorded.

Adam Brancher, Manager Standards and Operations in the Domestic Vessel Division of the Australian Maritime Safety Authority, gave a presentation on Revision of the National Standard for Commercial Vessels to a joint meeting with the IMarEST attended by 19 on 3 April in the Harricks Auditorium at Engineers Australia, Chatswood. Adam's presentation was recorded by Engineers Australia and is

available as a webcast at www.mediavisionz.com/ea/2013/easyd/130403-easyd/index.htm.

Clive Evans of Lightning Naval Architecture gave a presentation on Development of a Low-cost Vehicle/Passenger Ferry in Response to Increased Competition from Air Travel in South-east Asia to a joint meeting with the IMarEST attended by 17 on 1 May in the Harricks Auditorium at Engineers Australia, Chatswood. Clive's presentation was recorded by Engineers Australia and is available as a webcast at www.mediavisionz.com/ea/2013/easyd/130501-easyd/index.htm.

Tim Haughton of Jotun Australia gave a presentation on Developments in Marine Protective Coatings to a joint meeting with the IMarEST attended by 22 on 5 June.

Matt Duff of ASO Marine Consultants gave a presentation on Conversion of a Chemical Carrier to an FPSO to a joint meeting with the IMarEST attended by 34 on 3 July.

Gary Brassington of the Centre for Australian Weather and Climate Research gave a presentation on Operational Ocean Forecasting: Status and Impacts to a joint meeting with the IMarEST attended by 20 on 7 August.

Phil Helmore

Pakistan Joint Branch

Recent presentations include an academic lecture titled "Concept of Islamic Welfare State" by Mr Burhanuddin Hasan, former Director News / Executive Consultant PTV News Channel and a technical presentation on "Copper & Gold Mining" by Mr Syed Ghazanfar Habib, Director, Allied Engineering & Services, Karachi.

Other presentations were The Basics of Explosion Protection for Electrical Apparatus & Installations" by Engr. Asif Mirza, Technical Manager, Clipsil-Schneider Pakistan (Pvt)

Limited, and the "Role of Judiciary in Aviation Safety" by Wg. Cdr. (Retd) Naseem Ahmed President, SASI-Pakistan, Director Faculty of Aviation Management, PAF-KIET, Karachi.

Rana M A Iqbal

UAE Branch

Mr Henri Van-Berlo, Regional Marine Manager, Bureau Veritas Middle East, gave a presentation to the UAE Branch on "Integrated Management Systems for Shipping Companies".



RINA UAE Secretary Mr Rajesh Panicker presenting memento to Mr Henri Van Berlo

CHANGE OF ADDRESS

Each year, the Institution sends out over 170,000 copies of the journals and RINA Affairs, a total paper weight of over 35 tons. Unfortunately, a number of those are returned "not known at this address", usually because members have forgotten to inform the Institution of their change of address. In addition to the waste of postage, the Institution is charged for those returned from other than the UK. Additional cost is then incurred when members ask for the missing copies.

Members are requested to let the Institution know of a change of address as soon as possible, preferably before they actually change their address. Changes may be sent online from the Members' Only section of the RINA website at www.rina.org.uk/members, by email to membership@rina.org.uk, by fax to +44 (0)20 7259 5912, or by letter to RINA Headquarters.

Members of the Pakistan Joint Branch



Members of the Pakistan Joint Branch



IMO Symposium on Future Ship Safety

At the instigation of Secretary General Koji Sekimizu, the International Maritime Organization held a major two-day symposium in June of this year on the future of ship safety. Recognising the trend towards a more scientific and risk-based approach in the design and operation of ships, the symposium aimed to consider how, in the decades to come, ships of the future could fulfil the safety and environmental expectations of Society. Koji Sekimizu invited Dr David Aldwinckle, Chairman of the RINA IMO Committee, to join the international Steering Group to plan the Symposium. Contributions were invited from an international panel of influential speakers from across the spectrum of design, construction and operation.

As a Non Governmental Organisation at IMO, RINA was privileged to be selected to contribute a presentation to Session 4 focusing on the scientific risk-based approach (presentations can be found at <http://www.imo.org/About/Events/FSS/Pages/FSS-Presentations.aspx>). The presentation was compiled by Jim Peachey, FRINA and Rae McIntosh, MRINA, supported by members of the Institution's IMO and Safety Committees and other Institution members.

The symposium culminated in the formulation of a Statement of Recommendations to IMO's Maritime Safety Committee, which immediately followed the Symposium. This Statement summarises the outcome of the symposium deliberations and can be found at: <http://www.imo.org/About/Events/FSS/Documents/Symposium%20Statement.pdf>.

Future ship powering options

Shipping is facing pressures from volatile fuel costs and environmental emissions directives that together have the potential to significantly increase costs. This could have serious impacts, not just on the shipping industry but on the wider economy that relies on ships to transport as much as 95% of the world's goods.

The UK Royal Academy of Engineering has published a report that considers possible alternatives to current modes of propulsion. It follows a detailed series of workshops chaired by Professor John Carlton FREng with representatives from across the shipping industry and engineering profession.

The report may be read at www.raeng.org.uk/news/publications/list/reports/Future_ship_powering_options_report.pdf

Ship Efficiency: The Guide 2nd Edition

Fathom, the information specialists on maritime eco-efficiency has released a fully revised, updated and extended second edition of the key industry reference source, *Ship Efficiency: The Guide*, in response to the ever evolving technology and efficiency solutions on the market.

With an extra 100 pages of content in-depth critique of over 220 products, across over 60 technology categories from more than 100 providers, the new 2nd edition of the guide has been wholly revised since the 2011 flagship edition. The new edition also includes new chapters, including 'Energy Management Software Solutions'

plus additional content, case studies and expanded critique of the eco-efficiency technologies.

In recognition of the support from the Royal Institution of Naval Architects for *Ship Efficiency: The Guide 2nd Edition*, Fathom would like to extend a very special offer to RINA members:

Order a copy of *Ship Efficiency: The Guide 2nd Edition* at the reduced price of £285 (RRP £385) and receive a complimentary subscription (worth £250) to CTech, the online ship efficiency knowledge hub completely free.

INSTITUTION NEWS

RINA moves to its new Headquarters

On 15 July, the Institution moved to its new Headquarters at 8-9 Northumberland Street, London, WC2N 5DA. Telephone numbers, fax numbers and email addresses remain the same.

Members working in or visiting London are most welcome to visit their new Headquarters.



Norshipping

The Institution welcomed members and potential members to its stand at the Norshipping maritime show in Oslo.

RINA Chief Executive, Trevor Blakeley, with Dr Ash Sinha, Director Shipbuilders & Shiprepairers Association at Norshipping



RINA – Keppel Student Award

The 2013 RINA – Keppel Student Award for the best final year projects on the Bachelor of Engineering with Honours course at Newcastle University (Singapore Campus) were presented to Thiness Kumar Tamil Selvam (Marine Engineering), Lim Hui Qi Janneth (Offshore Engineering) and Goh Han Hwee (Naval Architecture).

RINA – BMT Group Student Award

Three teams from Newcastle University presented their MEng group design projects to a review panel in competition for the RINA – BMT Group Student Award.

The Award acknowledges the hard work put into their group projects by students, and is presented by BMT and the Royal Institution of Naval Architects. The group project marks the conclusion of the students Marine Technology degree and

involves the writing of a technical report along with a final presentation to an audience of students and lecturers, as well as industry experts. The final presentations were attended by the Head of BMT Defence Services' Naval Architecture Department, Catriona Savage, who was on hand to assess the designs along with the Faculty staff.

The three projects undertaken by the teams were the preliminary design of BP Shipping's Replacement Shuttle Tanker *'Loch Rannoch II'*, the development of an LNG Fuelled Ice-Breaking Container Vessel and a Hybrid Tug Design.

The 2013 RINA – BMT Student Award was presented to Marios Chatzistavakis, Robert Clark, Jonathan Land, Katarzyna Matysiak and Prodromos Papavassiliou for their project "the LNG-Fuelled Ice-Breaking Container Vessel, designed to utilise the Northern sea route". Congratulations to them on their winning design and to the entire class of 17 students for their innovative thinking and technical skill in their projects.

RINA Student Award (Malta University)

The RINA Student Award for the best final year project at Malta University was

awarded to Josef Camilleri, for his project "Conceptual design of a High Speed Planning Craft". Other commended projects were by Shawn Agius, Mark Azzopardi, David Baldacchino, Ryan Buhagiar and Michael Grixti.

The Institute congratulates all these students on their achievements, and wishes them every success in their future careers.

4th Marine Technology Postgraduate Conference

The 4th Annual Marine Technology Postgraduate Conference (MTPC) was held this year at University College London. The event saw presentations by postgraduate students on a number of themes including: Hydrodynamics, Computational Fluid Dynamics, Whole Ship Design, Unmanned Surface Vessels, Waves and Wind and Offshore Structures. The quality of presentations was extremely high and it was excellent to see that this annual event has expanded to include representation by 10 UK Universities.

The RINA prize for best presentation was awarded to Mirjam Furth from the University of Southampton.

Winners of the 2013 RINA – BMT Student Award



EVENTS 2013-14

CONTRACT CHANGE MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR & DESIGN COURSE

10-12 September 2013, London, UK
<http://www.rina.org.uk/Contract-Management-Sep2013>

MARINE COATINGS - RISK MANAGEMENT COURSE

13 September 2013, London, UK
<http://www.rina.org.uk/Marine-Coatings-Course>

ICCAS 2013: INTERNATIONAL CONFERENCE ON COMPUTER APPLICATIONS IN SHIPBUILDING

24-26 September 2013, Busan, Korea
<http://www.rina.org.uk/ICCAS-2013>

WORLD NAOE FORUM 2013 & INTERNATIONAL SYMPOSIUM ON DEVELOPMENTS IN MARINE AND OFFSHORE RENEWABLE ENERGY

28-30 October 2013, Minato-Ku, Tokyo
http://www.rina.org.uk/MORE_Symposium

INTERNATIONAL CONFERENCE ON THE DESIGN, CONSTRUCTION AND OPERATION OF PASSENGER SHIPS

20 - 21 November 2013, London, UK
http://www.rina.org.uk/passenger_ships.

2013 PRESIDENTS INVITATION LECTURE

27 November 2013, London, UK

ICSOT INDIA: TECHNOLOGICAL INNOVATIONS IN SHIPBUILDING

12-13 December 2013, Kharagpur, India
http://www.rina.org.uk/ICSOT_India

INTERNATIONAL CONFERENCE ON THE DESIGN AND CONSTRUCTION OF WIND FARM VESSELS

29-30 January 2014, London, UK
<http://www.rina.org.uk/windfarm-vessels>.

INTERNATIONAL CONFERENCE ON HUMAN FACTORS

26-27 February 2014, London, UK
<http://www.rina.org.uk/humanfactors2014>

INTERNATIONAL CONFERENCE ON FIRE AT SEA

26-27 March 2014, London, UK
<http://www.rina.org.uk/fire-at-sea>

CONTRACT CHANGE MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR & DESIGN COURSE

9-11 April 2014, London, UK

INTERNATIONAL CONFERENCE ON THE EDUCATION AND PROFESSIONAL DEVELOPMENT OF ENGINEERS IN THE MARITIME INDUSTRY

15-16 April 2014, Busan, Korea

SAFETY TECHNIQUES FOR NAVAL ARCHITECTS SEMINAR

April/May 2014, London, UK

BASIC DRY DOCK TRAINING COURSE

13-16 May 2014, London, UK

DESIGN & OPERATION OF CONTAINER SHIPS

21 - 22 May 2014, London, UK
<http://www.rina.org.uk/container-ship2014>

WARSHIP 2014: NAVAL SUBMARINES & UUVs

18-19 or 25-26 June 2014, UK

INTELLECTUAL PROPERTY RIGHTS SEMINAR

June/September 2014, London, UK

MARINE COATINGS - RISK MANAGEMENT COURSE

September 2014, London, UK

INFLUENCE OF EEDI ON SHIP DESIGN

24-25 September 2014, London

MARINE HEAVY TRANSPORT AND LIFT IV

28-29 October 2014, London

ICSOT INDONESIA: DEVELOPMENTS IN SHIP DESIGN AND CONSTRUCTION

4-5 November 2014, Makassar, Indonesia

HIGH PERFORMANCE SAILING YACHTS

25-26 November 2014, London or Southampton

Archive of Shipbuilding photos

Sir: As a teacher working abroad in Kuwait in 1986-90 and the UAE in 1995-97, I took photos of the building of dhows at local shipyards and of dhows beached from the tide. I would like to donate this archive of shipbuilding photos to a suitable organisation. I would be grateful if your members would pass on my offer to any interested organisation.

Bob Walker

r.w.walker@btinternet.com

RINA CREST

Members whose Latin is rusty (or non-existent) may be interested to learn that the inscription on the RINA crest "Salum Et Carinae Pignora Vitae" translates as "To the open sea and keel of a ship we pledge our lives"

RINA AFFAIRS

The Institution is not, as a body, responsible for opinions expressed in RINA Affairs unless expressly stated that these are Council's views.

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