



RINA AFFAIRS

MARCH/APRIL 2014

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



In his fourth Report to members at the 2014 Annual General Meeting, the President will speak of how he has again had the opportunity to meet with both members of the Institution and others in the global maritime industry, and how he has continued to be impressed by the standing and respect which the Institution enjoys throughout the international maritime industry. He will describe the activities and achievements in what has been an eventful year for the Institution.

This will be his final Report as a President, and also his first as Chairman of the Board of Trustees, formed as the governing body of the Institution following the Resolution

adopted at the 2013 Annual General Meeting. A report of the Board's activities in its first 12 months will be published in a future issue of RINA Affairs, but early work by the Board has included the production of terms of reference for the Board and its principal officers, a review of the management of the Institution's investments, prompted by the addition to the Institution's assets arising from the move of Headquarters and, in conjunction with the Council, a review of the detailed governance and management of the Institution with a view to updating the By Laws where necessary.

This will also be the first Annual General Meeting held in the Institution's new Headquarters at Northumberland Street since the move from Upper Belgrave Street. Members and others who have visited the New Headquarters, either for conferences or committee meetings, have been impressed by the location and the facilities at Northumberland Street. The move to the new Headquarters went smoothly, with no interruption in the work of the Secretariat, and I would like to take this opportunity to thank, on members' behalf, the members of my staff for their co-operation and hard work in ensuring that this was achieved.

As with previous Annual General Meetings, the Institution's Medals and Prizes for papers of distinction published in the Transactions and the best papers also published in the Transactions by authors under the age of 30 will be announced.

The winner of the RINA – QinetiQ Maritime Innovation Award will be announced by the President at the Institution's Annual Dinner. Awarded for the first time, this Award will recognise scientific or technological research in the areas of hydrodynamics, propulsion, structures and material which has the potential to make a significant improvement in the design, construction and operation of marine vessels and structures. There were 17 nominations from members of the international maritime community for this Award. The winners of the RINA – Lloyd's Register Maritime Safety Award, recognising the significant contribution made by an individual or organisation to the improvement of maritime safety or the protection of the Maritime Environment, will also be announced at the Dinner.

I look forward to welcoming members to the new Headquarters for the Annual General Meeting, or at any other time when members may be in London. I also look forward to welcoming members to the Annual Dinner – it is not too late to obtain a ticket!

Chief Executive.

IN THIS ISSUE

2014 AGM

The 2014 Annual General Meeting will be held at the Institution's Headquarters, at 11:00 on 30 April. This will be the first AGM to be held in the Institution's new Headquarters.

Council elections

The deadline for voting in the 2014 elections to Council is 20 April. The results will be announced at the 2014 AGM.

LinkedIn

Topics discussed recently by the members – approaching 10,000 – of the RINA group on the online professional networking site LinkedIn ranged from 3D wake scaling to Guidelines for Speed and Power Trials.

CEMT Award

The Confederation of European Maritime Technology Societies (CEMT) 2013 Award in recognition of a significant contribution to the European Maritime Industry has been made jointly to Dr Claus Daniel Simonsen and to Bureau Veritas for their outstanding research in the field of hydrodynamics.

RINA Events

A full programme of conference and courses is planned for 2014. A Conference app for smartphones and tablets will be introduced later this year.

IMO News

Details of IMO meetings attended by the Institution this year and items discussed are reported in this issue of RINA affairs.

Low Carbon Shipping

The Low Carbon Shipping website at <http://www.lowcarbonshipping.co.uk/> has been updated and refreshed.

The Queen Elizabeth Prize for Engineering

International nominations for the 2015 Queen Elizabeth Prize for Engineering are invited.

2014 ANNUAL GENERAL MEETING

NOTICE IS HEREBY GIVEN THAT IN ACCORDANCE WITH BY-LAWS 39 AND 42, THE ANNUAL GENERAL MEETING OF THE INSTITUTION WILL BE HELD AT 8 - 9 NORTHUMBERLAND STREET, LONDON, WC2N 5DA, ON WEDNESDAY 30 APRIL 2014 AT 11:00 FOR THE FOLLOWING PURPOSES;

1. To receive the Annual Report and the Financial Statement for the year ended 30 September 2013.

2. To consider and if felt fit, approve the following Resolutions:

Resolution 1: To elect Mr B S Rosenblatt as President.

Resolution 2: To re-appoint haysmacintyre as the Institution's auditors

Note.

1. All members have the privilege to attend the above meeting, but only Voting Members (all except Student and Junior Members) are entitled to vote on the Resolutions.

2. Members entitled to vote on the Resolutions may appoint the Chairman of the meeting as their proxy to vote on their behalf. Members may register their proxy vote by online www.rina.org.uk/agm2014proxyform or by post. [Click here to download the form](#)

3. All proxy votes must be received not later than 10:45 hours on 30 April 2014

Mr B S Rosenblatt

The Resume for Mr B S Rosenblatt is published on the RINA website and can be [viewed here](#).

2013 Annual Report and Financial Statement

The 2013 Annual Report and Financial Statements are published on the RINA website and can be [viewed here](#).

Election of the President

Bruce S. Rosenblatt

The Council has nominated Bruce S. Rosenblatt for election as the 31st President of the Royal Institution of Naval Architects.

Bruce S. Rosenblatt, the third generation leader of one of the USA's largest naval architecture and marine engineering companies, joined M. Rosenblatt & Son, Inc. in 1983 as a naval architect after graduating from the University of Michigan, and became President of the company in 1995.

From 2000, following the sale of M. Rosenblatt & Son, Inc., he was the senior Vice President of AMSEC LLC with responsibility for the overall management and development of its naval architecture and marine engineering business.

In 2008 he founded the naval architecture and marine engineering company of Bruce S. Rosenblatt & Associates, LLC, of which he is currently the President.

A Past President of SNAME, his other appointments include Past Vice President of ASNE, member of the ABS Council, Vice Chairman of the Board of Trustees of Webb Institute and Vice Chairman of the Industry Partners' Committee of the Shipbuilders Council of America.

Bruce S. Rosenblatt is a Fellow of the Institution, a member of its Council and member of the Board of Trustees. He will be the first non UK President of the Institution since it was founded in 1860 – a reminder of the internationalism of the Institution in 2014.

2014 ANNUAL GENERAL MEETING

11:00, 30 April 2014

8-9 Northumberland Street, London, WC2N 5DA

Agenda

1. President opens the AGM
2. Annual Report
3. Financial Statement for 2013
4. AGM Resolutions
5. 2014 Elections to Council
6. 2013 Medals and Prizes
7. President's Report
8. General Discussion
9. President closes the AGM

On completion of the AGM, Professor Dracos Vassalos of the Ship Stability Research Centre (SSRC) will give a presentation on "Design for Safety: Risk-Based Design Life-Cycle Risk Management".

Following the presentation, a buffet lunch will be available for those attending the AGM. To assist in catering, members intending to attend the AGM are requested to inform Sally Charity at scharity@rina.org.uk

2014 Council Elections

Members for who the Institution holds a valid email address and are eligible to vote in the 2014 Council Election (FRINA, MRINA, AMRINA and AssocRINA) have been sent the Ballot Paper and the CV's of members nominated for election by email. Other members have received them by post.

Members who have not received the Ballot Paper and CVs should contact Headquarters at hq@rina.org.uk. Before doing so, members are requested to check their Spam Folder!

THOUGHT FOR THE MONTH

No man will be a sailor who has contrivance enough to get himself into jail; for being in a ship is being in a jail, with the chance of being drowned ... A man in jail has more room, better food, and commonly better company.

Samuel Johnson, 1759

2014 CONFERENCES

HPMV China 2014

11-12 April, Shanghai, China

Registration Open

Education & Professional Development of Engineering in the Maritime Industry

15-16 April, Busan, Korea

Registration Open

RINA Annual Dinner

30 April, London, UK

Registration Open

Design & Operation of Container Ships

21-22 May, London, UK

Registration Open

Warship 2014: Naval Submarines & UUVs

18-19 June, Bath, UK

Registration Open

Marine Design

3-4 September, Coventry, UK

Call for Papers

Intellectual Property Rights Seminar

TBC September, London, UK

Register Interest

Influence of EEDI on Ship Design

24-25 September, London, UK

Call for Papers

HSMV 2014

15-17 October, Naples, Italy

Call for Papers

Marine Heavy Transport & Lift IV

29-30 October, London, UK

Register Interest

ICSOT Indonesia: Developments in Ship Design & Construction

4-5 November, Makassar, Indonesia

Call for Papers

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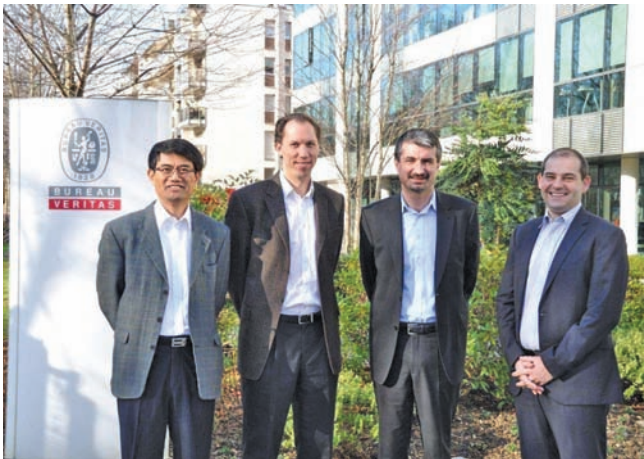
2013 CEMT Award

The Confederation of European Maritime Technology Societies (CEMT) 2013 Award in recognition of a significant contribution to the European Maritime Industry was made jointly to Dr Dr Claus Daniel Simonsen of the Division for Marine Technology, Force Technology, and to the of the Research Department of the Marine Division of Bureau Veritas for their outstanding research in the field of hydrodynamics.

The Awards were presented by Mr Trevor Blakeley, Chief Executive of the Institution and Chairman of the Council of CEMT.



RINA Chief Executive and members of Bureau Veritas



Members of the Bureau Veritas Research Department



Chief Executive, Dr Simonsen and colleagues from Force Technology

DIVISION AND BRANCH NEWS

Pakistan Joint Branch

A presentation on “Life Style & Mind Sciences” by Yogi Wajahat of the Wajahat Institute was arranged by Pakistan Joint Branch at the Pakistan Marine Academy Karachi Auditorium on 28th Feb 2014.



Members of the Joint Branch enter into the spirit of the presentation

The Joint Branch Annual Dinner Annual Dinner was held on 15 February 2014 and was attended by large number of members and their families.



Members of the Joint Branch Committee and those presented with awards at the Annual Dinner

Malta Joint Branch

The Malta Joint Branch held its 2014 Annual General Meeting at the Corinthia Palace Hotel, on the 3 March 2014. The following officers were elected:

- Chairman:**
Angelo Attard
- Vice-Chairman:**
Keith Manara
- Hon. Secretary:**
Claire De Marco
- Hon Treasurer:**
Anthony Dalli

MARITIME SERVICES DIRECTORY

Do you or your company provide services or products to the public or the maritime industry? If so, promote yourself or your company by an entry in the online Maritime Services Directory.

Members will be aware that there are many online directories which list companies that provide services to the public or the maritime industry. Most of these directories seek quantity rather than quality of entries, and obtain their revenue through advertising rather than subscription.

Members of the Institution have, through their membership, demonstrated their achievement of internationally recognised standards of professional competence and integrity. Their membership is therefore an advertisement for the quality of the service or product which they offer.

The Institution's Maritime Services Directory restricts entries to companies which employ or are owned by members of the Institution. Entries are listed by category and will show company name, contact details, a brief description of the company, and a link to the company's website. All members are entitled to a free entry in the Directory.

Applications for an entry should be made online at www.rina.org.uk/Maritime-Services.

All queries to Headquarters for members' services will be referred to the Maritime Services Directory.

MARITIME COURSES DIRECTORY

Naval Architecture and related courses are listed in the online Maritime Courses Directory.

Entries may be submitted online by university staff members at www.rina.org.uk/MaritimeCourses.

All queries about academic courses will be referred to the Maritime Courses Directory.

2014 CONFERENCES

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High Performance Sailing Yachts
25-26 November, Southampton, UK
[Register Interest](#)

Dry Dock Conference 2014
1-2 December, New Orleans, USA
[Call for Papers](#)

International Conference on Experimental & Computational Marine Hydrodynamics
3-4 December, Chennai, India
[Call for Papers](#)

2014 Courses:

Contract Management for Ship Construction, Repair & Design
9-11 April, London, UK

Basic Dry Dock Training Course
13-16 May, London, UK
[Registration Open](#)

Contract Management for Ship Construction, Repair & Design
7-9 October, London, UK
[Registration Open](#)

Low Carbon Shipping

The Low Carbon Shipping website at <http://www.lowcarbonshipping.co.uk/> has been updated and refreshed to reflect the increased level and breadth of activities, as well as the publication of the summary report of the first three-year EPSRC funded project.

Low Carbon Shipping & Shipping in Changing Climates is a Research Led Consortium on Sustainable Shipping

The Queen Elizabeth Prize for Engineering

International nominations for the 2015 Queen Elizabeth Prize for Engineering (QEPrize) will open on Tuesday, 4 March 2014. This global engineering award rewards and celebrates engineers responsible for a ground-breaking innovation in engineering that has been of global benefit to humanity. Details of the prize are on the website at www.qeprize.org

RINA-KEPPEL Student Naval Architect Award

The 2014 RINA-KEPPEL Student Naval Architect Award for the best presentation of the Ship Design Project in the Marine and Offshore Technology Diploma Course was awarded to:

- Bernice Neo Boon Siew and Goh Yong Hao for their project *Concept Design for Cargo Ship*
- Nicholas Lau Kezheng and Raiqal Runardy Bin Ragiman for their project *800 TEU Container Ship*

IMO News

The Royal Institution of Naval Architects holds Consultative Status at the International Maritime Organisation on behalf of the international naval architecture profession. Through the informal IMO NA Group, RINA will inform and represent the consensus view of these organizations.

This year, the Institution has attended the following items discussed at IMO Committee meetings:

SDC 1 (20 - 24 January 2014)

The following items were attended by the Institution:

Item 3: Development of a mandatory Code for ships operating in polar waters

A timeline for completion of this matter was circulated and is laid out below:

SDC 1 (Jan 2014)

- Finalization of draft text of Polar Code
- Principle agreement of draft SOLAS (WP.3, annex 1 + J/7) and MARPOL (WP.3, annex 2) amendments

MEPC 66 (April 2014)

- Consideration of outcome of SDC 1, including finalization of any remaining issues in the draft text of the Code and in the draft MARPOL amendments
- Approval of Code and associated draft MARPOL amendments, for circulation with a view to adoption at MEPC 67

MSC 93 (May 2014)

- Consideration of outcome of SDC 1 and HTW 1 and agreement on draft text of the Code, pending contribution from NCSR 1
- Approval of Code and associated draft SOLAS amendments, for circulation with a view to adoption at MSC 94

MEPC 67 (October 2014)

- Consideration of outcome of MSC 93 and NCSR 1 and agreement on final text of the Code
- Adoption of Polar Code and associated MARPOL amendments (keeping

publication of final text of the Code in abeyance pending outcome of MSC 94)

MSC 94 (November 2014)

- Consideration of outcome of MEPC 67 and agreement on final text of the Code
- Adoption of Polar Code and associated SOLAS amendments

It was agreed that the Code will apply to SOLAS ships in the first instance and non SOLAS ships will be considered at a later date. There was much debate on the amendments necessary to SOLAS and MARPOL. WP 3 was debated at length and modified with a J paper, but there was no substantial agreement at the end of the meeting. Further discussion will take place at MSC 93

Item 6: Review of the damage stability regulations for ro-ro passenger ships

In recalling that SLF 55 had noted the group's decision on excluding the residual freeboard option as part of the new requirements to account for water-on-deck effects, the Sub-Committee agreed no further consideration of this matter was necessary. Notwithstanding the above decision, the Sub-Committee noted the view of a national delegation that there is ample evidence for the efficacy on the use of residual freeboard within damage stability assessments for ro-ro passenger ships from many research projects over a number of years, which includes a large number of ships. They were in no doubt that the use of residual freeboard, as a proven method of compliance, offers a significant benefit with neither cost nor penalty implications for the industry, and strongly recommended that the Sub-Committee adopt the use of residual freeboard. The Sub Committee took no further action on this matter which would be referred to MSC93.

Item 7: Revision of SOLAS chapter II-1 subdivision and damage stability regulations

It was agreed by the working group that there was a need to:

- Provide guidance to Administrations by specifying the stability software and hardware approval requirements for assessing flooding casualties on board passenger ships;
- Identifying the information needed in addition to the stability and survivability calculations (e.g. escape routes, deployment of LSA);
- Provide guidance on shore-based assistance services regarding the structural strength assessment bearing in mind modern FEM design methods.

There are already IMO instruments that address on board computer systems such as stability computers on tankers or provisions in the 2008 IS Code. IACS advised that they were in the process of revising IACS UR L5 which should be considered by the group when developing new standards.

It was agreed that any actual damage is a deterministic damage and therefore can be assessed with modern computer software. However additional factors such as progressive flooding, cross-flooding arrangements, open watertight doors, sea state and wind need to be considered in the assessment of the stability of a damaged ship, especially when a ship is in a borderline condition.

Given the complex nature of developing a new guideline and amending other IMO existing instruments the group agreed that a stepped approach should be taken where, if established by the correspondence group, prioritised deliverables can be developed.

Item 13: Review of the recommendation on evacuation analysis for new and existing passenger ships

After some debate it was generally agreed that this should be mandatory for all ships. There was some doubt expressed on the validity of 'safeguard'. However, there is a need to provide justification for the expansion of the work output. The secretariat provided a paper later in the week, subsequent to this debate. This was WP 8 which was not agreed. The

inclusion of the term 'large passenger ships' in places caused some concern. This term was excluded some time ago as a suitable description. There was no agreement to proceed at this stage and further consideration would be given at SDC 2 (unless a paper is produced for MSC).

Item 14: Development of amendments to the criterion for maximum angle of heel in turns of the 2008 IS Code

A delegation presented a paper that was against the earlier RINA's paper (submitted at SLF55 in February '13). Another delegation supported RINA and offered to co-operate with the Institution to prepare a paper for SDC2.

Item 17: Classification of offshore industry vessels and consideration of the need for a non-mandatory Code for offshore construction support vessels

The WG produced draft guidelines for Offshore Service Craft (OSC), and draft guidelines for Offshore Construction Vessels (OCV). These guidelines are contained in the annexes to WP 6. Both of these guidelines will be further considered by the CG to be established.

SSE 1 (10 - 14 March 2014)

Item 7: Development of life safety performance criteria for alternative design and arrangements for fire safety

Item 8: Development of a new framework of requirements for safety objectives and functional requirements for the approval of alternative design and arrangements for SOLAS chapters II-1 (parts C, D and E) and III

Item 10: Development of amendments to the LSA Code for free-fall lifeboats with float-free capability

MEPC 66 (31 March – 4 April 2014)

Item 3: Recycling of ships

Item 4: Air pollution and energy efficiency

4.1 Further technical and operational measures for enhancing energy efficiency of international shipping

Item 5: Reduction of GHG emissions from ships

Item 15: Technical co-operation activities for the protection of the marine environment

Item 16: Role of the human element

Details of issues discussed at meetings in march and April will be published in future editions of RINA Affairs

Linkedin

- 3D Wake scaling
- Regulations for capacity Plan
- Ship to ship operation
- Emergency Towing Booklet
- Guidelines for Speed and Power Trials
- Increasing efficiency v Reducing speed
- Drawings of fishing vessels
- Details of forthcoming RINA events and publications

Just some of the topics discussed recently by the members – approaching 10,000 – of the RINA group on the online professional networking site LinkedIn. The group provides a forum for members of the group to seek or provide technical information, or to discuss matters of professional interest. The group has a no product, company or recruitment advertising policy.

Click here to join the LinkedIn group, or follow the link from the RINA website home page at www.rina.org.uk

THOUGHT FOR THE MONTH

The ship that will not obey the helm will have to obey the rocks.

English Proverb

A ship should not ride on a single anchor, nor life on a single hope.

Epicetetus

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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