



# RINA AFFAIRS

NOVEMBER/DECEMBER 2014

The Newsletter of the Royal Institution of the Naval Architects

## CHIEF EXECUTIVE'S COLUMN



**M**ost members will receive their 2015 Annual Fees Renewal Notices this month. As last year, Renewal Notices have been sent by email, with posted copies only to members for whom no email address is held. This gives a significant saving in printing and postal costs.

For members with access to a UK bank, the preferred method of payment is the Direct Debit. No further action is required by those members with Direct Debits set up. [I would strongly urge other members to consider this method of payment for future years. It ensures that payment of membership fees is not overlooked, and avoids the need for me to write to members in June 2015, informing them that they are about to be removed from the Membership Roll for non-payment of fees, their journals having been stopped earlier. Direct Debit Mandate Forms are available from Headquarters] Members are reminded that resignations cannot be accepted from members with fees outstanding. Their membership record will show them as lapsed for non-payment of fees.

For other members, it is recommended that the facility to pay by credit card be used. Payment for all RINA conferences, publications and merchandise, as well as membership and registration fees, can be made by all major credit cards. Payment can also be made by bank transfer or personal cheque drawn on a GBP, Euro, A\$, NZ\$, Can\$ or US\$ account, but members should remember that the bank will make a charge for transfer and ensure that the full amount due is transferred.

Following changes to the Institution's Membership Management System, members will be able to view their Annual Fees Renewal Notice, make changes and pay their Fees online. Members will also be able to view and make changes to their Membership Record online. I would urge members to check and update their personal details. At any one time, up to 200 members' current addresses are not known, resulting in correspondence and journals being returned, and back numbers being forwarded when new addresses are notified. The additional administrative, postage and printing costs are not insignificant. A charge is also made for returning journals from outside the UK.

Details of how to access the 2015 Annual Fees Renewal Notice and Membership Record will be forwarded in due course. Changes of personal details can also be notified by letter, fax, email to [Membership@rina.org.uk](mailto:Membership@rina.org.uk)

This year, members have the option of receiving *The Naval Architect* (+ *Warship Technology* + *Offshore Marine Technology*) in digital format only, with a corresponding reduction in the Annual Membership Fee. Members are also asked to review their standing order for journals and the Transactions (the *International Journal of Maritime Engineering*, the *International Journal of Small Craft Technology* and the *International Journal of Marine Design*). Members should also decide if they wish to subscribe to *Ship & Boat International* and *Ship Repair & Conversion Technology*. I would urge all members who do not already do so to consider taking these journals. They are all first class journals and are widely acknowledged in the world maritime industry as leaders in their fields. More copies sent to members means larger circulations, which makes the journals more attractive to advertisers, which increases the Institution's income, which means lower Annual Fees!

*Trevor Blakeley*

## IN THIS ISSUE

### Annual General Meeting

The 2015 Annual General Meeting will be held at RINA Headquarters, at 1100 on Thursday 30 April.

### Special General Meeting

A special General Meeting will be held at 1130 on Thursday 30 April 2015, to consider Resolutions to amend the By Laws and Regulations.

### Council elections

Nominations for election to Council in 2015 are invited.

### 2015 Annual Fees Renewal Notices

The 2015 Annual Fees Renewal Notices will be available to view, change and make payment online.

### Members' Records

Members' Records will be available to view and update online.

### Jeom Kee Paik Prize

A new prize for the best paper published by an author under the age of 30 on the subject of structures has been introduced.

### Branch News

A record number of members and guests attended a recent meeting of the UAE Branch.

### ITOPF R&D Award

Up to £50,000 will be made available to fund R&D projects that make a valuable contribution to improving the knowledge and understanding of issues related to accidental marine pollution.

### IMO News

The Institution has become a member of a Marine Environment Protection Committee (MEPC) Correspondence Group on Innovative Technologies.

## CODE OF PROFESSIONAL CONDUCT

The By Laws requires that "every member of the Institution shall so order his conduct as to uphold the dignity and reputation of the Institution and shall observe the provisions of the Charter and these By-Laws." Every member is further constrained to "order his conduct as to uphold the dignity and reputation of his profession and to safeguard the public interest in matters of safety and health and otherwise." A member is required to "exercise his professional skill and judgement to the best of his ability and discharge his professional responsibilities with integrity."

The Council's rules governing professional conduct and disciplinary procedures are published in the Institution's Code of Professional Conduct. This may be downloaded from the Members' Only page of the RINA website at [www.rina.org.uk/members](http://www.rina.org.uk/members)

## ITOPF Research and Development Award

ITOPF is an international organisation which is a source of objective technical expertise in the area of accidental spills of oil and chemicals from ships. Its mission is to promote effective response to marine spills of oil, chemicals and other substances. Investing in research and development is one way to enable this objective to be met. Continuous improvement in the understanding of the fate and effects of these substances will lead to improvements in accepted 'best practice' for spill response and environmental monitoring.

ITOPF is a non-for-profit organisation which recognises the importance of nurturing good quality R&D in these areas and, for this reason, have established the annual 'ITOPF R&D Award'. Each year, up to £50,000 will be made available to fund R&D projects that make a valuable contributions to improving the knowledge and understanding of issues related to accidental marine pollution.

The purpose of this initiative is to encourage organisations worldwide to inspire innovative thinking and to develop ideas that could provide realistic solutions to some of the challenges faced in spill response and environmental monitoring.

A more comprehensive description of the Award is on the ITOPF website at <http://www.itopf.com/in-action/r-d-award/application-process/> or from [rdaward@itopf.com](mailto:rdaward@itopf.com)

The deadline for reception of applications for the next call has been fixed at 31 December 2014, with the intention to name the 2014 Award winner not later than the end of February 2015.

## Linkedin

The following are among the requests for guidance and topics posted on the RINA group of the online professional forum Linkedin:

- **Transatlantic ASV hull shape**  
(Asked on behalf of an MEng Ship Science project) From our research, the current designs of Autonomous surface Vehicles usually do not have optimised hull forms. So far, the successful long distance, maned crafts, have all had a canoe shaped hull. From your experience, is this a good idea or how would you, optimise a hull for sub 5kt, autonomous vessel, that will cross the Atlantic?
- **Comparison of Different Scaling Methods for Model Tests with CLT Propellers**
- **ICHHD2014IACS UR S47: Stiffeners' Snipe End detail**  
Is it mandatory for Fishing vessels above 400 GT to have SEEMP?.
- **Steel crew boat maximum speed**  
What is the maximum speed which a crew boat from 25-30 m with steel hull can be designed?
- **Offshore versus maritime as a career choice for naval architects**
- **Length in Freeboard and Tonnage**  
Why length overall is not used in tonnage and freeboard calculation?
- **Metacentric height**  
How do we define BMt at even keel for ship, when the Metacentre is the intersection point of perp through G & B?
- **Calculation of trim**  
As trim changes, so does water plane area, so how we calculate trim from first c.o.f.?

The Linkedin group provides a forum for the 11,250 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.

To join the Linkedin group, go to <http://www.linkedin.com> or follow the link from the RINA website home page at [www.rina.org.uk](http://www.rina.org.uk)

## THOUGHTS FOR THE MONTH

Beware of little expenses. A small leak will sink a great ship.  
*Benjamin Franklin*

We did not all come over on the same ship, but we are all in the same boat.  
*Bernard Baruch*

# Nominations invited for election to Council

## Corporate Members (Fellows and Members)

Any Corporate Member may nominate a Corporate Member to stand for election to Council.

Each nomination of a Corporate Member must confirm that the nominee is eligible and willing to stand for election, and contain the signatures of three Corporate Members who support the nomination.

## Non Corporate Members (Associate Members and Associates).

Any Voting Member (all except Student

Members and Junior Members) may nominate a Non-Corporate Member for election to Council.

Each nomination of a Voting Member must confirm that the nominee is eligible and willing to stand for election, and contain the signatures of not less than three Voting Members who support the nomination.

Members are not permitted to sign more than three nomination for election to Council. Nominations should be made by letter to the Chief Executive, to arrive at the Institution's Headquarters by 31 Dec 2014.

# IMO News

At the last Marine Environment Protection Committee (MEPC) meeting, a Correspondence Group on Innovative Technologies was set up. The purpose of the Group is to determine whether there are sufficient proven energy saving technologies available to allow designers to comply with the reductions in EEDI values currently stipulated in Chapter 4 of Annex VI of MARPOL.

The Institution has been accepted as a member of the Correspondence Group, and will be represented by members of the Institution's IMO Committee.

## 2015 ANNUAL GENERAL MEETING

NOTICE IS HEREBY GIVEN THAT IN ACCORDANCE WITH BY LAWS 37 AND 77, A SPECIAL GENERAL MEETING WILL BE HELD AT 8-9 NORTHUMBERLAND STREET, LONDON, WC2N 5DA ON 30 APRIL 2015 AT 11:00 FOR THE FOLLOWING PURPOSE:

1. To receive the Annual Report and the Financial Statement for the year ended 30 September 2014.
2. To consider and if felt fit, approve the following Resolution

**Resolution:** 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 Resolution.
2. Members entitled to vote on the Resolution may appoint the Chairman of the meeting as their proxy to vote on their behalf. Members may register their proxy vote by online ([rina.org.uk/agm2015proxyform](http://rina.org.uk/agm2015proxyform)) or by post ( [rina.org.uk/agm2015proxyformprinted](http://rina.org.uk/agm2015proxyformprinted) )
3. All proxy votes must be received not later than 1045 hours on 30 April 2015.

# The Cutty Sark

As visitors enter the new Headquarters, they are greeted by the splendid model of the Cutty Sark at 8-9 Northumberland Street, on loan from Ellie Howard, whose Grandfather built the model.

The Cutty Sark



# New Prize Introduced

The Jeom Kee Paik Prize has been introduced to be awarded for the best paper published in

the Transactions by an author under the age of 30 on the subject of structures.

## Division and Branch News - UAE Branch

A Technical Meeting was held at Ball Room of New Excelsior Hotel, Dubai, attended by 81 members and guests – a record attendance for a Branch meeting.

The Branch Secretary, Rajesh Panicker, welcomed Chief Executive, Trevor Blakeley, who gave a presentation on RINA activities, and the benefits of RINA membership to both individuals and their companies. He extended an invitation to those attending who were not members to apply for membership, to which many have responded.

Following Mr Blakeley's presentation, Ashik Subahani, RINA UAE Branch Chairman and Managing Director, Great Waters Maritime, gave a technical presentation on *Jack up Rigs and Barges - Design Trends and Innovative Concepts*. Those attending the meeting found this to be a most interesting presentation, which was followed by a very interactive Q&A session.



Chief Executive, Trevor Blakeley, presents on work of the Institution



Members of the UAE Branch and their guests



Chief Executive, Trevor Blakeley, presents Mr Ashik Subahani with a memento of gratitude.



Chairman Ashik Subahani gives his presentation on *Jack up Rigs and Barges - Design Trends and Innovative Concepts*

### 2015 SPECIAL GENERAL MEETING

Notice is hereby given that in accordance with by laws 37 and 77, a special general meeting will be held at 8-9 Northumberland Street, London, WC2N 5DA on 30 April 2015 at 11:30 to consider, and if felt fit, approve the following resolutions:

#### Amendments to the By Laws

**Resolution 1:** To make such amendments to the By Laws as are necessary to remove the distinction between Corporate Members (FRINA and MRINA) and non-Corporate Members in respect of voting.

**Resolution 2:** To make such amendments to the By Laws as are necessary to remove all distinctions between ex officio and elected members of Council in respect of voting and terms of office.

**Resolution 3:** To make such amendments to the By Laws as are necessary to describe the activities of the Institution and members as "the science and practice of the design, construction, maintenance and management of marine vessels and structures".

**Resolution 4:** To make such amendments to the By Laws as are necessary to require the Board to annually elect/re-elect a member of the Board who is a member of Council as the Vice Chairman of the Board.

**Resolution 5:** To make such amendments to the By Laws as are necessary to require the Board to provide an Annual Report and Financial Statement which will be independently audited.

**Resolution 6:** To amend the By Laws where required to abolish Entrance and Transfer fees.

#### Amendments to the Regulations

**Resolution 7:** To make such amendments to the Regulations as are necessary to allow full electronic voting at Council elections

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 ([rina.org.uk/sgm2015proxyform](http://rina.org.uk/sgm2015proxyform)) or by post ([rina.org.uk/sgm2015proxyformprinted](http://rina.org.uk/sgm2015proxyformprinted))
3. All proxy votes must be received not later than 1045 hours on 30 April 2015



## RINA-QinetiQ Maritime Innovation Award

Innovation is key to success in all sectors of the maritime industry, and such innovation will stem from the development of research carried out by engineers and scientists in universities and industry, pushing forward the boundaries of design, construction and operation of marine vessels and structures.

The Royal Institution of Naval Architects – QinetiQ Maritime Innovation Award seeks to encourage such innovation by recognising outstanding 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.

The Award is made annually to either an individual or an organisation, in any country. Nominations for the Award may be made by any member of the global maritime community, and are judged by a panel of members of the Institution and QinetiQ. The Award will be announced at the Institution's Annual Dinner (tbc).

Nominations are now invited for the 2014 Maritime Innovation Award. Individuals may not nominate themselves, although employees may nominate their company or organisation.



**QinetiQ**

- Nominations may be up to **750 words** and should describe the research and its potential contribution to improving the design, construction and operation of maritime vessels and structures,

- Nominations may be forwarded online at [www.rina.org.uk/MaritimeInnovationAward](http://www.rina.org.uk/MaritimeInnovationAward)

or by email to

[MaritimeInnovationAward@rina.org.uk](mailto:MaritimeInnovationAward@rina.org.uk)

- Nominations should arrive at RINA Headquarters by **31 January 2015**
- Queries about the award should be forwarded to the Chief Executive at [hq@rina.org.uk](mailto:hq@rina.org.uk)

## RINA - Lloyd's Register Maritime Safety Award

The safety of the seafarer and protection of the maritime environment begins with good design, followed by sound construction and efficient operation. Naval architects and engineers involved in the design, construction and operation of maritime vessels and structures can make a significant contribution to safety and the Royal Institution of Naval Architects, with the support of Lloyd's Register, wishes to recognise the achievement of engineers in improving safety at sea and the protection of the maritime environment. Such recognition serves to raise awareness and promote further improvements.

The Maritime Safety Award is presented annually to an individual, company or organisation that in the opinion of the Institution and Lloyd's Register, is judged to have made an outstanding contribution to the improvement of maritime safety or the protection of the maritime environment. Such contribution may have been made by a specific activity or over a period of time. Individuals may not nominate themselves. Nominations are now invited for the 2014 Maritime Safety Award.

Nominations of up to **750 words** should describe the nominee's contribution to:

- safety of life or protection of the marine environment, through novel or improved design, construction or operational procedures of ships or maritime structures
- the advancement of maritime safety through management, regulation, legislation or development of standards, codes of practice or guidance
- research, learned papers or publications in the field of maritime safety
- education, teaching or training in maritime safety issues



Lloyd's  
Register

**The closing date for nominations is 31 January 2015. The Award will be announced at the Institution's 2015 Annual Dinner.**

Nominations may be made by any member of the global maritime community and should be forwarded online at [www.rina.org.uk/MaritimeSafetyAward](http://www.rina.org.uk/MaritimeSafetyAward) or by email to [MaritimeSafetyAward@rina.org.uk](mailto:MaritimeSafetyAward@rina.org.uk)

Queries about the Award should be forwarded to the Chief Executive at [hq@rina.org.uk](mailto:hq@rina.org.uk)