



# RINA AFFAIRS

JANUARY/FEBRUARY 2019

The Newsletter of the Royal Institution of Naval Architects

## CHIEF EXECUTIVE'S COLUMN



**M**ay I take this opportunity of the first issue of RINA Affairs in 2019 to wish all members a belated Happy New Year (less belated for Chinese members!).

Over the past year I have again had the pleasure of meeting members (and some soon to become members) in some of the countries where the Institution is represented at all levels in universities, industry and maritime organisations. My visits to some of the 70+ universities where the Institution has links and the many companies in all sectors of the maritime industry where members work has left me in no doubt as to the standing which the Institution enjoys in the international maritime community.

The Institution has members in 97 countries, demonstrating conclusively that the Institution is truly an international organisation. The decision of those involved at all levels in the design, construction, maintenance and management of marine vessels, from Australia to Azerbaijan, to become members is confirmation that membership provides an internationally recognised demonstration of the highest standards of professional competence. Their membership also confirms the value which they place upon the Institution's international publications and conferences, providing the relevant and up to date information on developments across all sectors of the global maritime industry which is essential to maintaining that competence.

Few members of the maritime industry would deny the standing which the Institution's range of technical magazines enjoy amongst the many similar publications which serve the industry worldwide – some better than others in terms of their accuracy and independence. The internationalism of the Institution's magazines is reflected in their distribution in over 100 countries, giving them a truly global circulation. The introduction of *The Naval Architect eNews* and *Offshore Marine Technology eNews*, joining *Ship Repair eNews* and *Ship & Boat eNews*, provide further access to technical developments in the maritime industry.

The Institution's conferences also continue to enjoy a high reputation for their quality of both content and organisation. The global location of the conferences also serves to demonstrate the internationalism of the Institution, with conferences organised or co-organised by the Institution in the UK, Australia, Singapore, the Netherlands, Indonesia, Italy and China.

It has been a challenging year for the Institution, reflecting the challenges faced by the maritime industry, of which I am sure members will be only too aware. Notwithstanding such challenges, the Institution has maintained its standing in the international maritime industry which, I believe, is unmatched by any professional society serving the professional needs of those involved in the design, construction and maintenance of marine vessels and structures. I make no apology for beating the drum for the Institution, and I invite all members to do the same in whatever way they can. Membership is surely something to be proud of.

Finally, on your behalf, I would like to thank the other members of the Headquarters team for the contribution they have made to the success of the Institution over the past year.

*Chief Executive*

## IN THIS ISSUE

### AGM + SGM

Calling Notices for the forthcoming AGM and SGM are published

### Women in RINA 1919-2019

The experiences of women members of the Institution from 1919, when first admitted as members, to the present day will feature in a publication to commemorate this significant event in the Institution's history. Contributions from today's members are invited

### Maritime Environment Policy

The Institution has issued its Maritime Environment Policy

### Strategic Review

The Strategic Review of the Institution enters Phase 3, in which the Board considers the Recommendations of Phase 2

### eNewsletters

The eNewsletters, complementing the Institution's magazines, are available on an App, for both tablet and smartphone

### Letters to the Editor

Letters to the Editor include the offer of historical hardback bound books and requests for information on the availability of spline curves and spline weights

### New Members wanted

In an open letter to members, the Chief Executive asks for their support in encouraging their colleagues to follow their lead in becoming a member of the Royal Institution of Naval Architects

### Designatory Letters

Members are asked if they demonstrate their membership by displaying the professional qualification which membership confers after their name?

### Book Review

Past President of the Institution, Sir John Parker GBE FREng FRINA, recounts his experiences in his book *The View From The Bridge - An Industrial Journey*

## 2019 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 11 APRIL 2019 AT 1100 FOR THE FOLLOWING PURPOSES;

1. To receive the Annual Report and the Financial Statement for the year ended 30 September 2018.
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 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.
3. Proxy Form is available online at: <https://www.rina.org.uk/2019agmproxyvotingform.html> and must be returned by post or email, to arrive by 1030 on 11 April 2019

Following the AGM, a presentation will be given by Dr Jo Stanley, FRHistS, visiting Senior Research Fellow at Liverpool John Moore's University, entitled Women Pioneers in Naval Architecture, in which she will describe the early female engineers and architects involved with ship design and construction.

Following the presentation, a buffet lunch will be available for those attending the AGM. To assist in catering, members are asked to let Sally Charity know if they would like lunch: [scharity@rina.org.uk](mailto:scharity@rina.org.uk)

## 2019 Annual General Meeting and Special General Meeting

11:00 11 April 2019  
8-9 Northumberland Street, London  
WC2N 5DA

### AGENDA

1. President opens the AGM
2. Annual Report of Council
3. Financial Statement for 2017/18
4. AGM Resolutions
5. 2019 Elections to Council
6. 2019 Medals and Prizes
7. President adjourns the AGM / opens the SGM
8. SGM Resolutions
9. President closes the SGM / reconvenes the AGM
10. President's Report
11. General Discussion
12. President closes the AGM

## 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 11 APRIL 2019 AT 1115 TO CONSIDER, AND IF FELT FIT, APPROVE THE FOLLOWING RESOLUTION:

### Amendments to the By Laws

**Resolution:** "To make such amendments to the By Laws as are necessary to change the composition of the Council of the Institution to enable it to become more representative of the worldwide membership by reflecting geographic location as well as membership class and experience."

### Note:

1. All members have the privilege to attend the above meeting, but only Voting 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.
3. Proxy Form is available online at: <https://www.rina.org.uk/2019sgmproxyvotingform.html> and must be returned by post or email, to arrive by 1045 on 11 April 2019

# RESOLUTION TO AMEND THE BY LAWS

The Royal Institution of Naval Architects is an international professional society with members in 90+ countries. The Council of the Institution is accountable to the governing Board of Trustees for representing the views of the global membership.

The members of Council are elected by the members, with places on Council allocated according to category of membership – Fellow, Member, Associate Member Associate – which reflects experience. However, the composition of Council does not represent the geographic location of members. Following a Strategic Review of the future Objectives of the Institution, the Board and Council consider that the composition of Council should be changed to reflect both the category and geographic location of members, and intends to put the following Resolution to the members at a Special General meeting in April 2019:

“To make such amendments to the By Laws as are necessary to change the composition of the Council of the Institution to enable it to become more representative of the worldwide membership by reflecting geographic location as well as membership class and experience.”

The proposed change to its composition will set the total number of elected Council members at 40, comprising 30 Corporate members

(Fellows and Members) and 10 Non Corporate members (Associate Members, Associates) thereby continuing to reflect experience.

Members’ countries will be grouped into global Regions, with members of Council being nominated from and elected by members in each Region, thereby reflecting geographic location. The number of members of Council elected in each Category from each Region will be in proportion to the number of Voting Members in the Region. In addition, a Vice President will be appointed in each Region from Corporate members elected by members in the Region, to represent the Institution and members in the Region. The Board will have the flexibility to vary the number of elected members from each Region and appointed Vice Presidents to reflect the changing number of members in each Region and to achieve greater representation, whilst retaining the effectiveness of the Council.

Members should note that the proposed amendments do not affect the requirements for membership or registration with the Engineering Council.

Details of the required amendments to the By Laws to effect these changes are shown in the below. In the event of the above Resolution being approved by the members, the Board will formally request these amendments.

## Amendments to the By Laws

The amendments shown in red will be made to the following By Laws:

### By Law 13. Council

- a) The Council shall consist of:
  - The President
  - The Immediate Past President
  - 30 Corporate members
  - 10 Non Corporate members
  - Ex officio members
  - Co-opted members
- b) The Council shall have the power to co-opt members of the Institution to serve on Council in a vacancy, or additionally where it considers there is an absence of expertise or experience.
- c) Any member of the Council who transfers to any other class of membership shall complete his term of office as defined in By-Law 15.

### By Law 14. Nomination and election of members of Council

- a) For the purpose of electing members of

Council, other than the President, and for other purposes which the Board might from time to time determine, members’ countries will be grouped by global Regions. The number and composition of such Regions will be determined by the Board.

- b) Each Region will separately nominate and elect members of Council.
- c) The number of members of Council elected by each Region will be in proportion to the number of Voting Members in the Region, or as may be determined otherwise by the Board.
- d) Each Region will elect at least one Corporate and one Non Corporate member of Council.

### By Law 15. Terms of Office

- a) The term of office for each member of Council, except for the President and the Immediate Past President, shall be three years from election or appointment to retirement.
- b) Co-opted members will serve a

maximum term of 3 years, and will stand for election at the earliest opportunity.

### By Law 21. Vice-Presidents

- a) Members of Council who have been elected or co-opted as members of Council may be appointed by the Council as Vice Presidents to represent the Institution and the views of the membership in the Region from which they have been elected or co-opted.
- b) Vice Presidents will serve in office for their term of office as a member of Council. Vice Presidents who are re-elected as members of Council may be reappointed as Vice Presidents.
- c) The number of Vice Presidents who may be appointed from each Region will be determined by the Board. At least one Vice President will be appointed from each Region.
- d) Vice Presidents elected in 2019 or earlier will be appointed as Vice Presidents.

# STRATEGIC REVIEW 2050 – REPORT TO MEMBERS

In 2017, the Board initiated a Strategic Review of the Objectives of the Institution in 2050, and actions needed to achieve them.

- Enabling the exchange of technical information.
- Contributing its collective expertise to the benefit of society

with identifying how the Objective is achieved today and what changes would be required to continue achieving the Objective in 2050.

## Phase 1 – Membership Survey

Phase 1 of the Strategic Review consisted of a Membership Survey to seek members' views on what the Objectives and activities of the Institution in 2050 should be.

The Membership Survey, which was completed in late 2017, showed a high level of satisfaction with the role and activities of Institution. 94% of members who completed the Survey considered that the current Objectives were correct and would continue to be relevant for the foreseeable future, ie:

- Setting standards of professional competence and integrity.
- Encouraging membership at all levels

The Board therefore accepted that these will be the continuing Objectives of the Institution for the next 30 years.

However, the Survey also confirmed the need to review the means by which these Objectives would be achieved and what changes would be needed to reflect the changes in the maritime industry and the professional needs of the members.

## Phase 2 – Working Groups

Phase 2 of the Strategic Review has been carried out by a number of Working Groups, comprising members of Council and other members of the Institution, with each addressing a specific Objective. Each Working Group was tasked

## Phase 3 – Board Consideration

The Working Groups have presented their findings and recommendations for consideration the Board during Phase 3 of the Strategic Review.

A recommendation which has had early acceptance by the Board is change the composition of the Council of the Institution to enable it to become more representative of the worldwide membership by reflecting geographic location as well as membership class and experience. This recommendation will be put the members at the forthcoming SGM, details of which are published elsewhere in this issue of RINA Affairs.

## INSTITUTION NEWS

### Women in RINA 1919-2019

At the 1919 AGM, it was agreed that women should be eligible to become members of the (then) Institution of Naval Architects, on the same terms as men. The first woman to be elected was Eily Keary, who was also the first woman to have a paper published in the Transactions. Today, women members of the Institution occupy a wide range of appointments in the maritime industry, academia and organisations worldwide, in both engineering and non-engineering roles.

It has been decided to commemorate this significant event in the Institution's history by publishing the experiences of 100 women members of RINA over the past 100 years, starting with those of the first three women<sup>1</sup> elected as members of the Institution. Today's members are

invited to contribute to the publication by describing their experience of being a woman in the maritime sector, including why they chose to embark upon such a career, what they have achieved, what they see for the future of women in the maritime sector and whether they would recommend it as a career for women and girls today. Contributions are invited from members who are at all stages in their career, including those who have just embarked upon that career at university or college.

Contributions, in 300-500 words, or queries should be forwarded to the Chief Executive at [hq@rina.org.uk](mailto:hq@rina.org.uk) by **31 July 2019**.

<sup>1</sup>Eily Keary, Blanche Thornycroft and Rachel Parsons

### THOUGHT FOR THE MONTH

One ship sails East, another West  
 On the self same winds that blow,  
 It's the set of the sails and not the gales  
 that determine the way they go.  
 Like the winds of the sea are the ways of time,  
 As we journey along through life,  
 It's the set of the soul that determines the goal,  
 And not the calm or strife.

*The Winds of Fate*  
 By Ella Wheeler Wilcox

# New Members wanted

## An open letter to all members

Dear member,

As a member, you will be aware of the benefits and service which membership of the Royal Institution of Naval Architects provides. In particular, you will be aware that membership provides a professional qualification which is recognised throughout the global maritime industry as demonstrating the achievement of the highest standards of professional competence and integrity. You will also be aware that membership provides access to information on developments in all aspects of the maritime industry through the Institution's international conferences and publications which members receive free or at a reduced cost.

I am therefore writing to ask for your support in encouraging your colleagues to follow your lead in becoming a member of the Royal Institution of Naval Architects and enjoying the benefits of membership of the world's leading professional institution for those involved in the design, construction and maintenance of marine vessels and structures at all levels. I would be grateful if you would let me know (by email to [hq@rina.org.uk](mailto:hq@rina.org.uk)) the name, position and email address of any of your colleagues who you would wish to introduce as a member. Such potential members could include those at any stage in their career, whether newly graduated or more senior and experienced.

*Trevor Blakeley, Chief Executive*



### USE OF THE RINA CREST

The Council has agreed that members may display the RINA crest on literature, website etc, under the following strict conditions:

- Members must request permission to use the crest, and state where it will be used.
- Only the version of the RINA crest provided by the Institution may be used. No variation or addition may be made to the crest.
- Members displaying the RINA crest are also required to display their membership of the Institution in text and by the use of the appropriate post-nominals.
- The RINA crest may only be displayed on a company website where the company is owned by the member or is a Corporate Partner member of the Institution.
- The RINA crest must not be used in a way as to state or imply the Institution's endorsement of a product or service provided by the member.

Applications for permission to use the RINA should be made to [RINACrest@rina.org.uk](mailto:RINACrest@rina.org.uk)

## Designatory Letters

Members may signify their membership of the Institution by the letters FRINA, MRINA, AMRINA, AssocRINA or StudentRINA after their names. In doing so, they demonstrate that they have achieved or are working to achieve the high standards of professional competence demanded by the requirements for membership, and which are recognised as such by the international maritime industry. By doing so, they also demonstrate their commitment to maintaining those standards through their continuing professional development, and their acceptance of the Institution's Code of Conduct. Membership of the Institution does not come easily and is surely an achievement to be proud of.

However, when meeting members, I am surprised how many do not demonstrate their achievement by displaying the appropriate letters on their website, correspondence and business cards. This also serves to promote the Institution. I appreciate it may be company policy not to display designatory letters, but if not, may I therefore invite such members when next having stationary or business cards printed or updating their website to ensure that their membership of the Royal Institution of Naval Architects is proudly displayed.

*Chief Executive*

## Data Protection

Members in Europe may be aware of the introduction of the General Data Protection Regulation (GDPR) which replaced the UK's Data Protection Act last year, and which now governs how the Institution may gather, hold and use personal data, ie data which can be used to identify the individual. The GDPR applies to all data on members held by the Institution, regardless of their country or nationality.

The GDPR introduced a number of additional safeguards to the proper use of personal data. Principal amongst these was the requirement for members to agree to both the holding of data and the use to which it is put, ie to "opt in", rather than "opt out". The GDPR also requires greater security of personal data for which the Institution is responsible, regardless of where it is held, eg Headquarters, Branches etc. The GDPR also introduces more stringent requirements for the reporting of breaches of data security and

financial penalties for such breaches.

All members are entitled to receive the Institution's free eNewsletters, eg RINA News, Ship & Boat International eNews etc, providing information on technical developments in all sectors of the maritime industry and the Institution's activities. Members are asked on election and renewal of their membership fee to confirm that they wish to receive or continue receiving the eNewsletters. Members may unsubscribe to all or any of the eNewsletters at anytime.

It continues to be the Institution's policy that personal data will not be passed to third parties without the member's permission, whether to an individual or organisation, except where required to provide membership services, eg posting of magazines. Such organisations which do receive personal data have been required to confirm that it will be handled in accordance with the GDPR, and only for the purpose for which it is provided.

Personal data passed to persons outside Headquarters authorised to hold such data, eg Branch Secretaries will be encrypted and password protected.

Members may check what personal data is held on them by the Institution by visiting their individual MyRINA page, and may remove any data other than that required to maintain their membership.

All Institution staff are required to report any breaches of security of personal data immediately. Members are requested to inform the Institution if they consider that their personal data has been improperly passed to or obtained by a third party.

The Institution will continue to ensure the security and proper use of members' personal data. The Institution's Privacy Policy may be accessed from the Home page of the Institution's website. Any queries about the use of members' personal data should be forwarded to the Chief Executive.

## PUBLICATIONS NEWS

### Contributions to the Magazines

#### An invitation from the Technical Director

The Institutions' magazines enjoy a high standing in the international maritime community for the quality and independence of their comment and reports on technical developments in the maritime industry. The content of the magazines comes from the Editors' contacts in industry, visits to companies and maritime shows etc and from their regular contributors who have particular knowledge and experience in their fields. However, I am very much aware of the breadth and depth of experience and expertise of the Institutions membership, which is widely represented in the global maritime industry. I would therefore like to invite you to offer that expertise and experience by contributing to the Institution's magazines.

Contributions are welcome on the following topics which will be covered in forthcoming issues of the magazines:

#### *The Naval Architect*

**April:** Heavy-lift; Inland and coastal vessels; CAD/CAM/CAE; Denmark

**May:** Smart ships; Cruise ships; Ro-Ro; Green ships; Noise & vibration; Norway

**June:** Bulk carriers; Regulation & classification, Green ships; Paints & coatings

#### *Offshore Marine Technology*

**2nd Quarter:** Support vessels; ROVs and AUVs; Machinery control and monitoring; Paints and coatings

#### *Warship Technology*

**May:** Corvettes, frigates, destroyers; Weapon handling, launch and recovery; Mine countermeasures; Russian naval vessels

**July/August:** Sealift/logistic support; Amphibious vessels; Coast guard & patrol craft; Machinery control and surveillance; UK naval programmes

The editorial schedules, including these and future topics, are published regularly on the RINA website. Click on title for details *The Naval Architect*; *Offshore Marine Technology*; *Warship Technology*. Comment on the schedules, including proposed additional topics would be welcomed.

Contributions in MSWord, of up to 1,000 words and two photos or tables, should be forwarded to me. Queries or proposals for longer articles should also be made to me.

I and the Editors look forward to hearing from you and to making your expertise and experience available to the international readership of the magazines.

Karl Monk, [kmonk@rina.org.uk](mailto:kmonk@rina.org.uk)

# New eNewsletter App



The Naval Architect eNews  
 Shiprepair & Maintenance eNews  
 Ship & Boat International eNews  
 Warship Technology eNews  
 Offshore Marine Technology eNews



The Institution publishes a range of free eNewsletters. These eNewsletters complement the Institution's magazines in providing informed and independent reports on technical developments in all sectors of the international maritime industry. They contain a selection of articles published in the latest issues of the magazines, as well as material which did not make the magazines. The eNewsletters are published by email to those who have opted to receive them.

The eNewsletters may now also be downloaded and read as convenient on a new, free, RINA eNewsletter App, containing the latest issues of all eNewsletters. The App is available from Google and Apple Stores in a simple and easy-to-read format. Users of the App may opt to receive notification of when the App is updated with a new issue of an eNewsletter.

## e-Library

The e-Library provides a one-stop access to magazines, published and unpublished papers, reports, presentations etc, available to members. The e-Library may be accessed at [www.rina.org.uk/MyRINA/e-Library](http://www.rina.org.uk/MyRINA/e-Library)

Members wishing to submit an item for inclusion in the e-Library should forward it to [hq@rina.org.uk](mailto:hq@rina.org.uk). Where such items are subject to copyright, permission must be obtained before submission.

## RINA Publications App

Members and subscribers may read the electronic versions of the Institution's magazines on their PC, or by using the free App on their tablet or smartphone, containing the latest issues of all magazines.



### 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*

## LETTERS TO THE EDITOR

### Books for disposal

*Sir:* David Cannell has the following historical hardback bound books which he is looking to dispose of and we wondered whether they would be of any interest to members of RINA?

- The Rules & Regulations for the Construction and Classification of Steel Ships by Lloyd's Register of Shipping, dated: 1956, 1958, 1961, 1962, 1964, 1965, 1967, 1968, 1969, 1970, 1972, 1973, 1974, 1975
- Lloyd's Register of Shipping – Register Book Appendix 1951 – Listing Changes

of Ships Names, Ships over 500t gross, Speed of Merchant Ships, Shipbuilders, Docs, Insurers

- Lloyd's Register of Shipping Volumes I & II – Register Book listing Ships, giving ship size, tonnage, owners etc.
- Lloyd's Register of Shipping List of Ship Owners 1983 – 1984; 1957 1958
- Lloyd's Register of Shipping Register of Ships 1957 - 1958

Marcia Woods

*PA to David Cannell*

[marcia@dmcmarine.com](mailto:marcia@dmcmarine.com)

### Traditional Naval Architectural Design Equipment

*Sir:* I am trying to purchase a set of spline curves and spline weights to design a boat in the traditional way. These used to be common in every Naval Architectural design office, but seem to be very difficult to buy now when everyone uses CAD. Does anyone at RINA know where these can be obtained?

Robert B Inglis

[robertbinglis@hotmail.com](mailto:robertbinglis@hotmail.com)

## BOOK REVIEW

### The View From The Bridge – An Industrial Journey

*Sir John Parker, GBE FREng FRINA  
Past President of the Institution*

**S**ir John Parker is Britain's most senior industrialist. His wealth of experience in leading businesses – both in the diversity of companies he has run and the range of issues he has met – is unparalleled in modern British industry.

In this book, Sir John recounts the milestones on his 50-year industrial journey and draws out the countless lessons he has learned in mastering the arts of business leadership.

Trained as a Naval Architect and Engineer, Sir John has chaired five FTSE 100 companies and held senior Board positions for many years in leading global businesses including Airbus, GKN Brambles, Carnival Corporation and DP World. He is currently Chairman of the

construction group Laing O' Rourke and of Pennon, the UK water and waste to energy company.

Sir John has dealt at the highest level with every British Government since the late 1970s and chaired the court of the Bank of England during the financial crisis. He was a member of the first UK Prime Minister's Business Council and has led several inquiries for the British Government, most recently in the fields of boardroom diversity and naval shipbuilding. Among his many institutional and voluntary sector roles, he was President of the Royal Academy of Engineering and of the Royal Institution of Naval Architects, and Chancellor of the University of Southampton. He led Young Offenders into Work for ten years when he was Chairman of National Grid.

All this experience is distilled in

the book, where Sir John analyses the corporate turnarounds, takeover battles, merger and acquisitions that he has led. He lays out the principles and practices covering the highly topical issue of corporate governance and boardroom management. He details his deep insight into Britain's manufacturing and energy industries; he also explains his support for a modern industrial strategy to drive the country's future economic growth amid the unprecedented challenge of Brexit.

Sir John's aim with this book is to inform and inspire both those who currently hold positions of leadership in Business and the many thousands more who will be the leaders tomorrow. It is a vivid account of his working lifetime, a masterful overview of the British industrial landscape and a supremely informed and authoritative handbook of business leadership.

## MARITIME GROUP NEWS

### Maritime Environment Policy

The Council has approved the following Maritime Environment Policy for the Institution:

“Marine vessels and structures are technically complex and operate in a challenging environment. The Institution is committed to contributing to a reduction of their environmental impact and improving their energy efficiency by providing guidance on their design, construction, maintenance, operation, decommissioning and recycling in order to achieve more sustainable use of resources and mitigate climate change.”

### Design for the Maritime Environment

#### Environmental Considerations in the Design of Marine Vessels and Structures

**S**ociety expectation and regulation require that the maritime industry be fully sensitive to the environment through the reduction of harmful emissions, contamination of the seas and more efficient use of sustainable resources. The thoughtful design and construction of marine vessels and structures can have significant influence in achieving these.

The Maritime Environment Committee has produced an aide memoire which describes those aspects of marine vessels and structures that have an impact on the environment, and how that impact can be mitigated through design. It is intended to provide a broad overview of environmental design considerations and not a detailed reference to design and associated regulation.

The full aide Memoire may be downloaded at:

<https://www.rina.org.uk/res/DesignForTheMaritimeEnvironment.pdf>

The Maritime Environment Committee would welcome comments on both the Maritime Policy and the Design for the Maritime Environment aide memoire, either by email to [hq@rina.org.uk](mailto:hq@rina.org.uk) or in the Maritime Environment Group Forum at: [www.rina.org.uk/MaritimeEnvironmentGroup](http://www.rina.org.uk/MaritimeEnvironmentGroup)



## 2019 EVENTS PROGRAMME

### OFFSHORE MARINE TECHNOLOGY

15 March 2019, Perth, Australia

### PROPELLERS - RESEARCH, DESIGN, CONSTRUCTION & APPLICATION

27 - 28 March 2019, London, UK  
[www.rina.org.uk/Propellers\\_2019](http://www.rina.org.uk/Propellers_2019)

### CONTRACT MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR AND DESIGN COURSE

3 - 5 April 2019, London, UK  
[www.rina.org.uk/Contract\\_Management\\_April\\_2019](http://www.rina.org.uk/Contract_Management_April_2019)

### DESIGN & OPERATION OF PASSENGER SHIPS

30 April - 1 May 2019, London, UK  
[www.rina.org.uk/Passenger\\_Ships\\_2019](http://www.rina.org.uk/Passenger_Ships_2019)

### SUPER AND MEGA YACHTS

14 - 15 May 2019, Genoa, Italy  
[www.rina.org.uk/Design\\_Construction\\_of\\_Super\\_Mega\\_Yachts](http://www.rina.org.uk/Design_Construction_of_Super_Mega_Yachts)

### BASIC DRY DOCK TRAINING COURSE

17 - 20 June 2019, London, UK  
[www.rina.org.uk/Basic\\_Drydock\\_Course\\_June\\_2019](http://www.rina.org.uk/Basic_Drydock_Course_June_2019)

### WARSHIP 2019: MULTI-ROLE VESSELS

25 - 26 June 2019, Bristol, UK  
[www.rina.org.uk/Warship\\_2019](http://www.rina.org.uk/Warship_2019)

### ICCAS 2019

24-26 Sept 2019,  
 Rotterdam, Netherlands  
[www.rina.org.uk/ICCAS\\_2019](http://www.rina.org.uk/ICCAS_2019)

### WIND PROPULSION

15-16 Oct 2019, London, UK

### MARINE INDUSTRY 4.0

5 Nov 2019, Rotterdam, Netherlands

### PACIFIC 2019

8-10 Oct 2019, Sydney, Australia

### ICSOT INDONESIA 2019

25-26 Nov, Semarang, Indonesia

# Safety Guidance for Members of the Royal Institution of Naval Architects

“Safety Guidance for Members of the Royal Institution of Naval Architects” has been produced by the Maritime Safety Committee of the Royal Institution of Naval Architects to provide information and guidance to members on safety management and associated methods. Initially published in 1993 as “Guidance for Members Concerning Safety Assurance”, the third edition reflects the latest developments in ship safety.

“Safety Guidance for Members of the Royal Institution of Naval Architects” (pdf file):

<https://www.rina.org.uk/safetyguidance.html>

## THOUGHT FOR THE MONTH

Ships that pass in the night and speak to each other in passing;  
 Only a signal shown and a distant voice in the darkness;  
 So on the ocean of life we pass and speak one another,  
 Only a look and a voice; then darkness again and a silence.

*Henry Wadsworth Longfellow, 1807-1882*

## 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.

### Editor

The Chief Executive

### Production Manager

Nicola Stuart

Published by

The Royal Institution of Naval Architects  
 8-9 Northumberland Street,  
 London, WC2N 5DA  
 UK

Tel: +44 (0)20 7235 4622

Fax: +44 (0)20 7259 5912

Email: [hq@rina.org.uk](mailto:hq@rina.org.uk)

© The Royal Institution of Naval Architects