



RINA AFFAIRS

MAY/JUNE 2018

The Newsletter of the Royal Institution of Naval Architects

CHIEF EXECUTIVE'S COLUMN



Throughout its existence, the Institution has sought to be a forward looking professional institution, "seeking to identify and respond to the continuing and often fast changing professional needs of its members and the profession it serves". I believe that the Institution has been successful in this aim but is very much aware that such success must not lead to complacency. It has no right to expect or assume that those who are involved in the design, construction or maintenance of marine vessels and structures will automatically become or remain members of the Institution. The Institution must continually ask if it is providing the service which its members want today and in the future. It is as necessary for a professional

institution as it is for a commercial company to ask if it is providing value for money to its members and what they expect from their Institution and from their membership fee? Last year the Board initiated the Strategic Review 2050, to examine the role and activities of the Institution over the next 30 years, with the aim of identifying and responding to the continuing and often fast changing professional needs and expectations of its members and the profession it serves which are to be expected over the next three decades.

Key to this Review are, of course the views of the members, and Phase 1 of the Strategic Review, completed earlier this year, sought the views of the members through an extensive Membership Survey. This showed a high level of satisfaction with the role and activities of Institution, with 94% of members who completed the Survey considering that the current Objectives were correct and would continue to be relevant for the foreseeable future. The results of the Membership Survey will form the basis of Phase 2 of the Strategic Review, which will determine any necessary changes to the means by which the Objectives are achieved.

This Phase of the Strategic Review, which is now underway, is being carried out by a number of Working Groups, comprising members of Council and other members of the Institution, each addressing one of the following Objectives, and seeking to identify how the Objective is achieved today and what changes will be required to continue achieving the Objective in 2050:

- Setting standards of professional competence and integrity.
- Encouraging membership at all levels
- Enabling the exchange of technical information.
- Contributing its collective expertise to the benefit of society

Having identified such changes as might be required over the next three decades, the WGs will again seek the views of the members. I am sure all members will wish to support the Board in its intention to ensure that the Institution continues to be "a forward looking professional institution, always seeking to identify and respond to the continuing and often fast changing professional needs of its members and the profession it serves" which they would wish it to be.

Trevor Blakeley

IN THIS ISSUE

Chief Executive's Column

In his Column, the Chief Executive reports on progress with the Strategic Review 2050.

Data Protection

The Institution has taken the necessary actions to ensure that members' personal data held by the Institution continues to be held safely and used properly, as required by the General Data Protection Regulation (GDPR).

Continuing Professional Development

The Institution requires that all members in employment should maintain a Record of their Continuing Professional Development, which should include CPD Activities, a CPD Plan for future development and supporting documentation. A template and guidance for recording CPD is available online.

Student News

The Institution congratulates those students whose academic achievements have been recognised by the presentation of the Institution's Awards.

Letters to the Editor

Letters to the Editor include a request for information on the Skelton brothers. Can you help?

Technical Committees

The Institution considers that it has a duty to make its collective expertise available for the wider benefit of society and the profession. It carries out this duty principally through its Technical Committees, whose work is reviewed.

New Members

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 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.

RINA Crest

Do you know the meaning of the Latin inscription "Salum Et Carinae Pignora Vitae" on the RINA crest?

President of the Institution and Chairman of the Board of Trustees

Professor Richard Birmingham, BEng PhD CEng FRINA, was elected as the 33rd President of the Institution at the 2018 AGM. As President, he is also appointed as the Chairman of the Board of Trustees.

Professor Birmingham completed his BEng at Newcastle University in 1991 and subsequently completed his PhD studies at the University's Engineering Design Centre. After appointments as a Lecturer and Senior Lecturer at Newcastle University, he was appointed to his current position as Professor of Small Craft Design in 2002. He is also the principle Investigator of national and international collaborative research projects at Newcastle University, the focus for his research being sustainability and safety in the context of small craft, with a particular interest in the artisanal fishing vessels of the developing world.

He was the Head of the School of Marine Science and Technology 2007 – 2013, during which time he led the team which developed the proposal to run full time undergraduate

programmes in marine technology in Singapore. This work culminated in the successful launch of the School of Marine Science and Technology's Singapore campus.

Appointments outside the University currently held by Professor Birmingham include Member of Technical Advisory Panel of the Royal National Lifeboat Institution, Member of Advisory Board of the University of Michigan and a Trustee of Blyth Tall Ship Charity. He is a past Non Executive Director of the Board of the Marine Management Organisation (the UK marine regulator).

Before his election as President, Professor Birmingham was a Vice President of the Council of the Institution, and was a member of the Board of Trustees.

Both before and during his academic career, Professor Birmingham has had a strong interest and involvement with the small craft sector. Before embarking on his academic studies, he was both a fisherman and a boat builder, starting as an apprentice and ending as a Technical Director.

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 month, 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 has introduced a number of additional safeguards to the proper use of personal data. Principal amongst these is 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 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 journals. Such organisations which do receive personal data are 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 comply fully with the GDPR and continue to ensure the security and proper use of members' personal data. The Institution Privacy Policy may be accessed from the Home page of the institution's website. And queries about the use of members' personal data should be forwarded to the Chief Executive.

NEWS FROM THE BRANCHES AND SECTIONS

New South Wales Section

The NSW Section held its twentieth AGM on the evening of 7 March, immediately following the March technical presentation in the Harricks Auditorium at Engineers Australia, Chatswood, attended by 12 with Phil Helmore in the chair, standing in for the Chair of the NSW Section, Valerio Corniani.

Sean Langman, Managing Director, Belinda Tayler, General Manager Defence and Commercial, and Tim Sullivan, Engineering Manager, gave a presentation on 'A New Lease of Life for Sydney's Iconic Floating Dock' to a joint meeting with the IMarEST attended by 60 on 7 May in the Harricks Auditorium at Engineers Australia, Chatswood. This was the second-highest attendance of the 103 technical presentations held at the Engineers Australia Chatswood venue, and second only to Sean's

presentation on 'The Quest for Speed Under Sail' back in March 2014!

Fletcher Thompson, PhD candidate at the Australian Maritime College, gave a presentation on 'Robust Mission Planning for Autonomous Underwater Vehicles Cooperatively Inspecting Subsea Structures' to a joint meeting with the IMarEST attended by 13 on 4 April in the Harricks Auditorium at Engineers Australia, Chatswood.

John Lewis, Principal Marine Consultant, ES Link Services, gave a presentation on 'Biofouling on Ships: Character, Consequences, Concerns and Control' to a joint meeting with the IMarEST attended by 23 on 2 May in the Harricks Auditorium at Engineers Australia, Chatswood.

Phil Helmore

London Branch

A meeting of the London Branch was held on 24 May when George Morrison, Regional Manager, West Europe, Emea-Anz Thordon Bearings, presented a paper 'Water Lubricated Propulsion – A Case For Full Acceptance'.

Water lubricated propeller shafts have been used since the earliest days of shaft driven propellers.

The paper explored that history, discussed the pros and cons of current methods in use and proposed the most environmentally sound and lowest cost solutions available for current installations. In addition, other onboard applications were presented with a view to removing the use of grease with maintenance free solutions.

UAE Branch

RINA UAE organised a Branch meeting and technical paper presentation at Ball Room, Grand Excelsior Hotel, Dubai on 30 April 2018, when three papers were presented. The event was supported by Exalto Emirates.

Geir Fuglerud, Maritime Area Manager, Middle East & Africa, DNV GL presented the paper 'DNV GL – Pioneering Digital Classification'. The paper gave insights into the steps DNV GL as a leading class society is taking to transform to a more digital future, using technology to operate more efficiently and in providing increased value to DNV GLs client base.

Willem Moelker, Sales and Marketing Director, Albwardy Damen gave a presentation on 'Adapting to the new reality – Smart Maritime Solutions'. The paper touched upon the current maritime market and the new normal levels and how Albwardy Damen are adapting itself to the industry by utilising and making

best use of smarter solutions.

Paul Steinman, Product Manager for Veem Gyro presented 'Gyrostabilisers'. Concept of gyrostabilisers for reducing roll motion, the various models available in market from Veem Gyro and the relative advantages of the system with respect to other roll stabilising techniques were touched upon in the presentation.

Over 50 attendees including members and invited guests were present and interacted with the speakers. Rajesh

Panicker, RINA UAE Branch Secretary opened the proceedings of the evening and introduced speakers and their topics.

Chairman of RINA UAE Branch, Mr. Ashik Subahani spoke about current and future activities of RINA UAE including involvement with Seatrade Maritime ME Exhibition and presented mementos from RINA-UAE Branch to the day's speakers.

Rajesh Panicker

Members and guests of the UAE Branch



Speakers at the UAE Branch meeting



TECHNICAL COMMITTEES

The Institution considers that it has a duty to make its collective expertise available for the wider benefit of society and the profession. It carries out this duty principally through its Technical Committees.

The Maritime Safety Committee

- all matters relating to the improvement of maritime safety.

Maritime Environment Committee

- all matters relating to the protection of the maritime environment, and marine renewable energy.

The IMO Committee

- representing the Institution in its capacity as an NGO at the International Maritime Organisation.

Maritime Innovations Committee

- identifying and assessing the impact of evolving technologies on the membership and profession, and determining how the Institution should address them.

Maritime Groups

Each of the Technical Committees has an associated Maritime Group, and each Maritime Group has an online Forum through which members will be kept up to date with the work of the Committees, and have the opportunity to both comment on that work and to propose items for consideration. Members may opt to receive notification of new items published on the Forums.

Technical Register

The online Technical Register of members' lists the experience and expertise of those members who are willing for their expertise to be called upon by the Technical Committees for specific issues. The Register is confidential.

Working Groups

Whilst the Technical Committees will have a core expertise across all vessel types and sectors, they will mainly carry out their work through ad hoc Working Groups, formed to address a specific issue which may have been raised by a member of the Committee or a member of the Institution through, for example, a Maritime Group.

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

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) 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.

Chief Executive

The RINA Crest



"Salum Et Carinae Pignora Vitae"

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".

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 hq@rina.org.uk

STUDENT NEWS

Southampton Solent University

The 2018 RINA-BAE Systems Award for best Design Project on the BEng (Hons) Yacht & Powercraft course was awarded to Ville Matias Linden for his project 'A Wooden Cargo Schooner for Sustainable Trading Initiatives'.

The 2018 RINA-BAE Systems Award for best Design Project on the BEng(Hons) Yacht Design & Production course was awarded to Samuel Kipp Evans for his project 'Preliminary Design of a 24m Coastal Utility Tugboat'.

THOUGHTS FOR THE MONTH

He who loves practice without theory is like the sailor who boards ship without a rudder and compass and never knows where he may cast.

Leonardo da Vinci

Strathclyde University

The 2018 RINA-BAE Student Award for the best 4th Year Project was presented to Thomas King for his project 'An Investigation into the Effect of Tubercles on the Performance of a Moth Lifting Hydrofoil'.

Commended projects were presented by Aristotelis Betsis ('Retractable Hydrofoil Superyacht') and Panagiotis Palimeris ('An Investigation of Exhaust Gas Recirculation (EGR) on the Performance and Emissions of Marine Diesel Engines').

Chief Executive, Trevor Blakeley, presents the Award certificate to Thomas King



Chief Executive, Trevor Blakeley, presents the Commended certificate to Panagiotis Palimeris, with Aristotelis Betsis who presented his project by Skype, in the background



SMALL CRAFT SURVEYORS FORUM Seawork Exhibition Seminar

Wednesday, 4th July 2018
1330 – 1615 in Conference Room 2

Programme

- 1330 Introduction by Trevor Blakeley (CEO RINA)
- 1340 Challenges for 24m and mini ISM Code vessel surveyors – Richard Franklin, Braemar Yacht Services
https://www.airbnb.co.uk/?from_belo_click
- 1430 Tonnage Measurement – calculating Load Line Length, breaks and depth – Paul Johnston, Euro Marine Surveys
- 1515 Tea/coffee break
- 1530 The importance of maintaining and extending your knowledge and skills as a marine surveyor

A Panel of Mike Schwarz (IIMS CEO), Nick Gladwell (SCMS - Workboats); Hugo Morgan-Harris (YDSA - sailing yachts) and Richard Linford (YDSA) (mentoring) – will look at some of the issues the associations experience, and invite delegates to put forward views from their perspective. Questions submitted beforehand will be welcome.
- 1615 Close (next event in the room starts at 1630)

The seminar is free but members wishing to attend should register at: <https://form.jotformeu.com/80033531387351>

SCSF Member Organisations:

RINA, IMarEST, IIMS, SCMS, NI, YDSA

CPD Record

The Institution requires that all members in employment should maintain a Record of their Continuing Professional Development, which should include CPD Activities, a CPD Plan for future development and supporting documentation.

The Institution does not prescribe the format of the CPD Record which for some members it may be required to keep in accordance with a company's required format. The Institution's CPD Record in MSWord format is therefore not mandatory, but is recommended. It may be modified to meet a member's individual needs.

The CPD Record template may be downloaded at www.rina.org.uk/res/CPDRecord.docx. An example of typical entries are at www.rina.org.uk/p/1/CPDRecordExample.pdf

THOUGHTS 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

Reporting CPD Achievement

The Institution may request to see a member's CPD Plan and Record at any time. A member will also be required to provide evidence of CPD activity eg when applying for transfer to Fellow or subject to disciplinary action.

The Engineering Council requires that members registered as CEng, IEng or EngTech routinely report their CPD achievement over the previous 12 months to the Institution. Members will be

advised when such a Report is due and they are required to complete and return the Report Form which will be forwarded. Alternatively, members may submit their Report online.

www.rina.org.uk/CPDReport (Online)
www.rina.org.uk/p/1/CPDAchievementReportForm.docx
(MSWord file)

LETTERS TO THE EDITOR

Skelton Men

Sir, I would be grateful if any of your members could provide me with information on the following SKELTON men who I am pretty sure were all trained at Thames Iron Works during the 19th Century as Naval draughtsmen/architects.

Thomas SKELTON 1810-1878 born Rotherhithe. Originally a shipwright but a draughtsman from the late 1840's when living at Limehouse. I suspect he was too early and probably too lowly a person for the RINA and is not a member of the Shipwright's Company.

His sons

Josiah SKELTON 1839-1910. Born Limehouse, Middlesex. Always referred to as a ship's draughtsman & worked for the Thames Iron Works Company. Spent many years the 1870's in Turkey instructing the Turkish Navy in the art of draughtsmanship/shipbuilding on behalf of TIW.

George SKELTON 1843-1887. Born Poplar Middlesex. Referred to as a naval architect & shipbuilder. Lived in Hull, Abingdon, Berks & West Ham.

Gillian Kendrigan
jkendrigan@pcug.org.au

THOUGHTS 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 dark-
ness again and a silence.

Henry Wadsworth Longfellow,
1807-1882

If my ship sails from sight, it doesn't
mean my journey ends, it simply
means the river bends.

Enoch Powell

EVENTS PROGRAMME 2018-19

Warship 2018: Future Surface Vessels

11-12 September, London, UK
www.rina.org.uk/Warship_2018

Human Factors

26-27 September, London, UK
www.rina.org.uk/Human_Factors2018

Contract Management For Ship Construction, Repair & Design Course

17-19 October, London, UK
www.rina.org.uk/Contract_Manage-
ment_Course_Oct_2018

Full Scale Performance

24-25 October, London, UK
www.rina.org.uk/Full_Scale_Performance

Education and Professional Development of Engineers in the Maritime Industry

14-15 November, London, UK
www.rina.org.uk/EPD_2018

Computational and Experimental Marine Hydrodynamics

26-27 November 2018,
Chennai, India
www.rina.org.uk/Computational_Experi-
mental_Marine_Hydrodynamics

LNG/LPG Ships

5 December, Athens, Greece
www.rina.org.uk/LNG_LPG2018

Historic Ships

5-6 December, London, UK
www.rina.org.uk/Historic_Ships_2018

2019

Power & Propulsion Alternatives for Ships

22-23 January 2019, London, UK
www.rina.org.uk/Power_Propulsion_
Alternatives

Design and Operation of Ice Class Vessels

27-28 February 2019, London, UK
www.rina.org.uk/Ice_Class_2019

Propellers - Research, Design, Construction & Application

27-28 March 2019, London, UK
www.rina.org.uk/Propellers_2019

ICCAS 2019

24-26 September 2019,
Rotterdam, Netherlands
www.rina.org.uk/ICCAS_2019

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

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