



RINA AFFAIRS

JANUARY/FEBRUARY 2020

The Newsletter of the Royal Institution of Naval Architects

CHIEF EXECUTIVE'S COLUMN



May I take this opportunity of the first issue of RINA Affairs in 2020 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 technical magazines is reflected in their distribution in over 100 countries, giving them a truly global circulation. The Institution's range of eNewsletters, providing more focussed access to technical developments in the maritime industry, complement the magazines.

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

Chief Executive's Column

In his first Column of 2020, the Chief Executive wishes members a belated Happy New Year, and looks back on the year's achievements.

2020 AGM

Notice of Resolutions to elect the next President of the Institution and re-elect the Auditors.

2020 SGM

Notice of Resolutions to amend the By Laws.

Publications News

New additions to the Institution's YouTube Channel.

Institution News

Book now for the 2020 Annual Dinner.

Members in the News

Presentation of a 75 Years' Membership Certificate.

Student Awards

The achievements of Student Members in Australia and France are recognised.

News from the Divisions, Branches & Sections

Reports of local activities in Australia and the UK.

Letters to the Editor

Advice on how to become a Registered Ship Valuer is requested. Can you help?

2020 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 14 MAY 2020 AT 1100 FOR THE FOLLOWING PURPOSES:

1. To receive the Annual Report and the Financial Statement for the year ended 30 September 2019.
2. To consider and if felt fit, approve the following Resolutions:
Resolution 1: To elect M D'Amico as the President of the Institution
Resolution 2: To re-appoint haysmacintyre as the Institution's auditors
3. Announcement of elections for Council in 2020.

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/2010agmpoxyvotingform.html> and must be returned by post or email, to arrive by 1030 on 14 May 2020

A buffet lunch will be available for those attending the AGM. To assist is catering, members are asked to let Sally Charity, scharity@rina.org.uk, know if they would like lunch.

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 14 MAY 2020 AT 1115 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 clarify the relationship between the Board and the Council."

Resolution 2: "To make such changes to the By Laws as are necessary to replace all gender specific references with gender neutral references."

Note

1. All members have the privilege to attend the above meeting, but only Voting Members are entitled to vote on the Resolutions.
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/2020sgmpoxyvotingform.html> and must be returned by post or email, to arrive by 1045 on 14 May 2020



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.

2020 ELECTIONS TO COUNCIL

Following the change to the By Laws in 2019, members of Council are nominated from and elected by members in each Region. The number of seats on Council allocated to each Region is in proportion to the number of Corporate and Non Corporate members in the Region.

Nominations for election to Council in 2020 have been received as follows:

UK REGION

Corporate Members

Nominations: 16 Vacancies: 7

Non Corporate Members

Nominations: 2 Vacancies: 2

EUROPE REGION

Corporate Members

Nominations: 2 Vacancies: 3

Non Corporate Members

Nominations: 1 Vacancies: 1

AMERICAS REGION

Corporate Members

Nominations: 1 Vacancies: 1

Non Corporate Members

Nominations: Nil Vacancies: 1

ME + AFRICA REGION

Corporate Members (Elect 1)

Nominations: 1 Vacancies: 1

Non Corporate Members

Nominations: Nil Vacancies: 1

ASIA REGION

Corporate Members

Nominations: 3 Vacancies: 3

Non Corporate Members

Nominations: Nil Vacancies: 1

PACIFIC REGION

Corporate Members

Nominations: Nil Vacancies: 2

Non Corporate Members

Nominations: Nil Vacancies: 1

Where the number of nominations is less than or equal to the number of vacancies (all Regions except UK), nominated members will be deemed to be elected unopposed.

Electronic voting papers will be forwarded to UK Region members in March, with details of nominated members. Postal voting forms will be sent to members without an email address.

ELECTION OF THE PRESIDENT

Council has nominated M d'Amico for election as the President of the Institution in 2020.

M d'Amico

Maurizio d'Amico studied at the University of Genoa and graduated in 1984 in Naval Architecture and Marine Engineering. He has maintained close links with the University, and annually presents the RINA – d'Amico Award for the best final year student thesis.

From 1984 until 1986 he worked at leading P&I club and Law firms in London. In 1986, he joined the maritime consultant studio Martinoli in Genova where he was involved in various aspects of consultancy, insurance claims and design coordination for a major passenger ship conversion.

In 1992 he joined the d'Amico Società di Navigazione, and between 1992 and 2000

served at various levels as coordinator of the fleet technical management and also for the development and evolution of the technical department.

From 2000 he was actively involved in the Company's new building programme, both for the tanker and bulk carrier fleets development. He was actively involved in specification discussion, to selection of shipbuilders in different shipyards in Korea and China. From 2003 to 2006 he was responsible for the project management of a new 40.000dwt tanker built in China. More recently he had an active role on the BDelta project for a 37.000dwt handy size bulk eco design series built in China. The follow up on the real performance obtained

in operation of the new buildings has given him the basis for the further set up on the fleet performance process.

Since 2014 he has been involved at various stages in the building up of Company ship performance team, with the aim of a constant analysis of all fleet performance in terms of speed, consumption and emissions, and reporting, among other ships parameters. In his present position he is responsible for business and technology development. In this position he actively participates on various International bodies like ICS, Federazione del Mare, and Confitarma.

He is currently a member of Council and a member of the Board of Trustees.

INSTITUTION NEWS

Maritime Innovation Committee

Invitation to new members of the Committee

The Maritime Innovation Committee is a standing technical committee of the Institution. Its role is to identify and inform members of innovative or developing technologies which in due course will have an impact on the design, construction and maintenance of marine vessels and structures. As well as informing members, such information will provide suitable topics for future conferences and articles for the Institution's publications.

Because of the wide scope of the Committee's remit, it has formed the following Working Groups to focus on specific areas of technology: Materials & Coatings; Power Generation and Energy Management; Design & Manufacturing; Hydrodynamics and Propulsors Operations, Maintenance & Training; Maritime Safety &

Protection of the Environment; Autonomy, Data, Digital and Cyber; Research, Education & Professional Development; Business & Economics.

Each Working Group has its own page on the Maritime Innovation Group Forum at www.rina.org.uk/Maritime_Innovation_Group.html, reporting on its work and enabling comment and contribution by members of the maritime community. Members of the Committee are members of one or more Working Groups, reflecting their expertise and experience. A report of the Committee's work is also published regularly in RINA Affairs.

The Committee meets four times per year, at RINA Headquarters or by videoconference, and work is also done

between meetings by email etc.

Having established the structure by which the Committee will carry out its work, the Committee now seeks to extend its expertise by inviting members who have experience in one or more of the Working Groups areas, and are able to contribute to its work, both in and out of Committee meetings, to join the Committee.

Members who are interested in making this valuable contribution to the work of the Institution are requested to contact the Chief Executive at tblakeley@rina.org.uk, with a short description of their experience and identifying the Working Group(s) which they would wish to be associated with.

Further information about the Maritime Innovation Group is at https://www.rina.org.uk/Maritime_Innovation_Group.html

Corporate Partners

The Institution welcomes the following companies and organisations as Corporate Partner members:

Consult Maritime LLC (USA)
Newport Shipping UK LLP (Turkey)
Morson International (UK)
Dockyard & Engineering Works Ltd (Bangladesh)
OMC International (Australia)

2020 ANNUAL DINNER

The 2020 Annual Dinner will be held at the Royal Lancaster London Hotel, on 14 May

NEWS FROM THE DIVISIONS, BRANCHES AND SECTIONS

New South Wales Section

SMIX Bash 2019

The 20th SMIX (Sydney Marine Industry Christmas) Bash was held on Thursday 5 December 2019 aboard the beautifully restored *James Craig* alongside Wharf 7, Darling Harbour, from 1730 to 2130. The Bash was organised jointly by RINA (NSW Section) and IMarEST (NSW-ACT Branch). About 200 guests came from the full spectrum of the marine industry, including naval architects, marine engineers, drafters, boatbuilders, machinery and

equipment suppliers, regulators, classifiers, surveyors, operators, managers, pilots, navigators, researchers, and educators. Equally importantly, the full spectrum of age groups was represented, from present students to the elders of the marine community.

Controlling Marine Engine Emissions

Lachlan Colquhoun, Marine Engine Sales Manager Australia and New Zealand, MAN Energy Solutions, gave a presentation on

Controlling Marine Engine Emissions to a joint meeting with the IMarEST attended by 42 on 5 February in the Boardroom at Engineers Australia, Chatswood.

The vote of thanks was proposed, and the certificate and “thank you” bottle of wine presented, by Geoffrey Fawcett.

The presentation may be viewed on the RINA YouTube Chanel at https://www.youtube.com/channel/UChb1sfHbWfQmG-iwpp_QGJg/videos

Phil Helmore

Australian Division

During a recent visit to Perth, Australian Division President, Dr Martin Renilson, invited several of his RINA colleagues in Western Australia to join him for dinner, including two previous Presidents of Australian Division, together with three other officials WA Section. Over dinner at the Royal Perth Yacht Club, they spent several hours putting the naval architecture world to rights and reminiscing on past times as well as talking about the possible future of the profession. Not often that three Presidents get the opportunity to get together in our big country.



Top from left: Mr Sammar Abbas (current Chairman RINA WA Section); Mr Kalevi Savolainen (current Australian Divisional Council member for WA); Mr Yuriy Drobyshevski (Past Chairman RINA WA Section)

Bottom from left: Dr Tony Armstrong (President Australian Division Sept 2014-Mar 2016); Dr Martin Renilson (President Australian Division Mar 2016-current, and Mar 2011-Mar 2012); Mr Jim Black (President Australian Division Mar 2012-Sept 2014)

LONDON BRANCH

Notice of the AGM and Elections

The Annual General Meeting of the London Branch and Elections of the Branch Council will be held on 26 March 2020 at Lloyd's Register, 71 Fenchurch Street, London, EC3M 4BS, commencing at 1800.

Nominations for election as members of the Branch Council are invited. Any member of the Branch may nominate, with the nominee's consent, a member of the Branch for election to the Branch Council, provided that the nomination is seconded by another member of the Branch. Such nominations should be forwarded to the Honorary Secretary of the Branch by no later than 3 March 2020.

For further details, please contact Ms. Lourdes Elona-Lilley, Honorary Secretary of the London Branch at the aforementioned contact information.

STUDENT AWARDS

RINA – Defence, Science and Technology Award

At the University of NSW Term 3 Thesis (Research) Conference, the following presentations were made:

Max McCann: *Investigation of Small Scow-bowed Displacement Sailing Craft with Regard to Seakeeping.*

Nelson Tsang: *Analysis of the Flow around a Tug.*

Isabella Yan: *The Design and Maintenance of Marine Engineering Systems onboard Royal Australian Navy Vessels.*

The RINA – Defence, Science and Technology Award for the best presentation at the Term 3 Thesis C (Research) Conference went to Max McCann.

RINA – Bureau Veritas Award

The RINA – Veritas Bureau Veritas award for the best final year naval engineering thesis was awarded to Cyprien Jacquemot for his Thesis *Porte-Avions de Nouvelle Génération.*

Marine Young Person's Development Award

If you are a young person between 16 – 25 years of age, currently studying to work or begin a career in the maritime industry, enter the European Commercial Marine Young Person's Development Award and win £850!

All that is needed to enter is a short informal video showing why you should win the award and bursary. The video could showcase projects you have completed or are currently working on, or that demonstrate your passion for the industry. It doesn't need to be long, anywhere between 1 minute and 3 minutes long is fine and accompanied by a few words to explain how the bursary would be spent, and how it would help you in your career.

This is open to apprentices, students, employees or any young professional looking to further their career within the marine industry.

For further information or on how to enter or nominate someone, contact awards@seawork.com or call +44 1329 825 335 or visit: https://www.seawork.com/ecmawards/nominate-now!/_nocache

MEMBERS IN THE NEWS

Colin Mudie FRINA

The Chief Executive, Trevor Blakeley, presented Colin Mudie FRINA with his 75 Years' Membership Certificate.

THOUGHTS FOR THE MONTH

First rule of engineering; beware prototypes. Along with, avoid anything made by an engineer who doesn't have all his own fingers"

Simon R. Green

"To the optimist, the glass is half full, to the pessimist, the glass is half empty. To the engineer, the glass is twice as big as it needs to be."

Anon

The Chief Executive presents Colin Mudie with his 75 Years' Membership Certificate



LETTERS TO THE EDITOR

Registered Ship Valuers

Sir: As members in Fiji, we would like to seek the advice of members on how to become registered ship valuers.

As employees of Fiji Ships & Heavy Industries Limited, a business subsidiary

of Fiji Ports Corporation Limited, we are involved with:

- (i) Onboard Marine Hull Survey – Reports/Quotation;
- (ii) Machinery Assessors;

(iii)

(iv)

(v)

Damage Cargo Assessors;
Ultrasonic Hull Report; and
Naval Architect Ship Design.

Lopeti Radravu

Lopeti@fijiports.com.fj

PUBLICATIONS NEWS

Digital RINA

It is the policy of the Institution to make full and effective use of available IT and digital media to inform and engage with members of the Institution and the wider maritime community. It achieves this through its publications – Technical Magazines, Transactions, Conference Proceedings, eNewsletters, YouTube, and Social Media.

Transactions

The reports of scientific and technical research are published online in the IJME and IJSCT.

Technical Magazines

The technical magazines – *The Naval Architect*, *Ship & Boat International* etc – are published online and may also be viewed through the RINA Publications App which may be downloaded from the Google Play Store and Apple Store.

RINA Affairs

Reports on Institution and members' activities are reported in RINA Affairs – the Institution's bi-monthly House Magazine. RINA Affairs may be read as a pdf file, online, or on the RINA Affairs App, which may be downloaded from the Apple Store and Google Play Store.



Technical Newsletters

The Technical magazines each have their own eNewsletters – *The Naval Architect eNews*, *Ship & Boat International eNews*, etc – publishing significant articles contained in the current issue and material which did not make it to the magazines.

The eNewsletters may be viewed online or through the RINA eNewsletter App, which may be downloaded from the Google Play Store and the Apple Store. Members and subscribers are advised through the eNewsletters and by App notification when a new issue is available to view.

RINA News

RINA News is the Institution's regular email newsletter to members, reporting on the activities of members and the Institution. Occasional Special Issues of RINA News focus on Publications and Events.

Events News

Full details of the Events programme may be viewed online www.rina.org.uk/events_programme, or through the RINA Events App, which may be downloaded from the Apple Store and the Google Play Store.

Conference Proceedings

Delegates to RINA conferences may access the papers presented at the conference online, together with as the associated Powerpoint presentation, through the Institution's Dropbox account. Selected presentations are published on the Institution's YouTube Channel.

Social Media

The Institution's social media accounts on Facebook, Twitter, Instagram and LinkedIn provide the opportunity to update members and others on the Institution's activities, and for members to engage with the Institution and other members of the maritime community.

Website

Delegates to RINA conferences may view access the papers presented at the conference online, together with as the associated Powerpoint presentation, through the Institution's Dropbox account. Selected presentations are published on the Institution's YouTube Channel.

Website Maritime Group Forums at www.rina.org.uk/Maritime_Groups.html update members and invite comment on the activities of the Technical Committees.

YouTube

Videos of presentations at conferences, Section and Branch meetings may be viewed on the RINA YouTube Channel: www.youtube.com/channel/UChb1sfHbWfQmG-iwpp_QGJg

Latest additions to the Channel are:

- **“Transition to Low Carbon Shipping – Shipping’s Grand Challenge”**

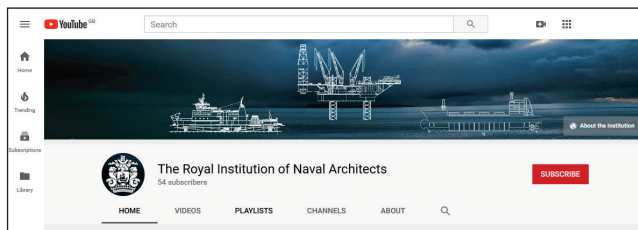
Keynote speech by Dr Kirsi Tikka, Independent Director and Technical Advisor, to the International Conference on LNG/LPG and Alternative Fuel Ships, organised by the Royal Institution of Naval Architects on 29-30 January 2020, in

London, UK. www.youtube.com/watch?v=ksBYQy0Xx3w&feature=youtu.be

- **“Controlling Marine Engine Emissions”**

Presentation given by Lachlan Colquhoun, Marine Engine Sales Manager Australia and New Zealand, MAN Energy Solutions, to a joint meeting of the NSW Section and IMarEST Sydney Branch on 5 February 2020.

www.youtube.com/watch?v=YKaqBnTQiQo&t=254s



2020 EVENTS PROGRAMME

HUMAN FACTORS

19-20 February 2020, London, UK
www.rina.org.uk/Human_Factors_2020

SUSTAINABLE AND SAFE PASSENGER SHIPS

4 March 2020,
Athens, Greece
www.rina.org.uk/Sustainable_and_Safe_Passenger_Ships

DAMAGED SHIP V

11 March 2020,
London, UK
www.rina.org.uk/Damaged_Ship_V

OFFSHORE MARINE TECHNOLOGY

11-13 March 2020,
Perth, Australia
<https://aogexpo.com.au/conference/knowledge-forum/>

AUTONOMOUS SHIPS

1-2 April 2020,
London, UK
www.rina.org.uk/Autonomous_Ships

INFLUENCE OF EEDI ON SHIP DESIGN & OPERATION

22-23 April 2020,
London, UK
www.rina.org.uk/EEDI_2020

SAFETY TECHNIQUES WORKSHOP

28 April 2020,
London, UK
www.rina.org.uk/Safety_Techniques_Workshop_April_2020.html

HIGH SPEED VESSELS

6-7 May 2020, London, UK
www.rina.org.uk/High_Speed_Vessels_2020.html

ANNUAL DINNER

14 May 2020, London, UK
www.rina.org.uk/Annual_Dinner_2020.html

CONTRACT MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR & DESIGN

20-22 May 2020,
London, UK
www.rina.org.uk/Contract_Management_May_2020.html

WEGEMT COURSE ON GREEN SHIPPING

27-28 May 2020, London, UK
www.rina.org.uk/WEGEMT_Course_on_Green_Shipping.html

BASIC DRY DOCK TRAINING COURSE

2-5 June 2020, London, UK
www.rina.org.uk/Dry_Dock_Training.html

WARSHIP 2020

17-18 June 2020, Bristol, UK
www.rina.org.uk/WARSHIP_2020_Future_Technologies_In_Naval_Submarines.html

FULL SCALE SHIP PERFORMANCE

22-23 September 2020, London, UK
www.rina.org.uk/Full_Scale_Ship_Performance_Conference_2020.html

THE ROAD TO MARITIME AUTONOMY FORUM ORGANIZED BY RINA & ONE SEA

30 September 2020, London, UK

CONTRACT MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR & DESIGN

7-9 October 2020, London, UK
www.rina.org.uk/Contract_Management_October_2020.html

SMART SHIP TECHNOLOGY

14-15 October 2020, London, UK

ICE CLASS VESSELS

4 November 2020, London, UK

HISTORIC SHIPS

2-3 December 2020, London, UK

RINA AFFAIRS

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

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THOUGHTS FOR THE MONTH

"When you want to know how things really work, study them when they're coming apart."

William Gibson

"The behaviour of ships on stormy seas is so hard to be understood and so important to be predicted, that it is worth any amount of hard thinking, and painstaking observation, and subtle reasoning we can expend on it".

J. Scott Russell, 1863

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