



RINA AFFAIRS

NOVEMBER/DECEMBER 2010

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



By now, most members should have received their 2011 Annual Subscription Renewal Notices. 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 2011, 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.

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 subscriptions, can be made by all major credit cards. Members may also make their payment by credit card online if there is no change to the amount shown on the Renewal Notice, using the secure link. Payment can also be made by bank transfer or personal cheque drawn on a GBP, Euro, A\$, NZ\$, Can\$, US\$ or Chinese RMB account, but members should remember that the bank will make a charge for transfer and ensure that the full amount due is transferred.

I would be grateful if members would check their personal details on the Renewal Notice and inform Headquarters if there are any errors or changes. At any one time, up to 200 members' current addresses are not known, resulting in correspondence and journals being returned, and then 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. Change of address can be notified by letter, fax, email or through the RINA Website at www.rina.org.uk. May I also ask that members inform Headquarters of their email addresses, either by email to hq@rina.org.uk or with their Annual Subscription payment details. Email is now used as the preferred method of communication with members, including the RINA News e-newsletters.

Members are also asked to review their standing order for journals and the Transactions (the International Journal of Maritime Engineering and the International Journal of Small Craft Technology). Members should also decide if they wish to receive *Ship & Boat International* and *Ship Repair & Conversion Technology*, in addition to *The Naval Architect*, *Warship Technology* and *Offshore Marine Technology* and Supplements which they receive free of charge. I would urge all members who do not already do so to consider taking these journals. These are available to members at a reduced cost of £37 for the IJME (four issues per year), £25 for the IJSCT (two issues per year), £50 for S&BI (six issues per year) and £25 for four issues of SR&CT, free of p&p. 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

2011 Membership and Registration Fees.

2011 Membership and Registration (where appropriate) Fees Notices have been posted. Members are reminded that fees become due on 1 January 2011.

Letters to the Editors

Requests for members' view on future ship design, and information on George Cameron Day who became a member of the Institution of Naval Architects on 13 August 1894, and of relatives of Sir William White feature in Letters to the Editor – can you help?

RINA Student Awards

Student achievement is acknowledged by Awards at Genoa and Malta Universities. Congratulations to the students receiving the Awards.

New members

Do you know of anyone who would benefit from membership of the leading international professional society for those involved in the design, construction and maintenance of marine structures, just as you do? If so, the Chief Executive asks you to let him know.

Guidance Notes

Are you considering applying for Corporate membership (MRINA or FRINA), or registration with the Engineering Council, or accreditation of your academic course or graduate training programme, or becoming a Professional Review Interviewer or Mentor? Then you will find the Institution's Guidance Notes of help.

Offshore wind turbines

Do you have ideas on how to safely transfer workers and equipment from vessels to turbines, or vessels to carry personnel to the turbines, or how to allow daughter craft to transfer to permanent platforms and mother ships? Then why not enter the Carbon Trust's Access Project?

World Superyacht Young Designer Award

Entries invited for the 2010 Awards

Sponsored by Camper Nicholson International, and organised by the Royal Institution of Naval Architects and *Boat International* magazine, the World Superyacht Young Designer Award provides a showcase for young designers to demonstrate their ability and talents, and to encourage the development and showcase the talent of the next generation of superyacht designers.

About the competition

The competition will be open to any one who is studying for a degree or other qualification in a subject related to yacht or small craft design, or who graduated from such a course within three years of the closing date for the competition. Work completed during the final year at university may be submitted after graduation.

The World Superyacht Young Designer Award 2010 will be presented to the young designer who produces the best concept design for a superyacht which meets the

following owner's specification:

- It should be different from any other yacht!
- It should be capable of operating in both Caribbean and Mediterranean, and carrying 12 passengers and appropriate crew.
- It should comply with all appropriate international safety regulations
- It should have the lowest possible carbon footprint.
- It should have all the recreational facilities which an owner and guests might expect on such a vessel.
- It will be made available for charter.

At this stage, the owner has not specified an upper cost.

Entrants to the competition will be required to submit the following:

- A profile and deck GA, showing major compartments and features
- A list of principal components and systems
- An estimate of weight and power requirements

- A description of the vessel, with illustrations, describing the philosophy behind the design and its key or novel features

Entries may be submitted by individuals or teams (maximum 3 members), and will be judged on innovation, technical feasibility, style and presentation by a panel of leading experts in the field. The deadline for entries, which should be submitted on CDROM or DVD, is 31 January 2011.

The Award

The winner of the Young Designer Award will receive a prize of €5000 and be invited to receive the Award at the 2011 World Superyacht Awards ceremony on in April 2011.

If you are interested in submitting an entry, or would like more information, contact:

Giuseppe Gigantesco
Royal Institution of Naval Architects
Email: ggigantesco@rina.org.uk

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.

In return for your assistance I would be pleased to offer you a year's free subscription to the Institution's Transactions (the *International Journal of Maritime Engineering and the International Journal of Small Craft Technology*) or any of the Institution's other journals, following the application and election of anyone you might propose (excluding Student and Junior Members).

Chief Executive

Designatory Letters

Members may signify their membership of the Institution by the letters FRINA, MRINA, AMRINA or AssocRINA 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 correspondence and business cards. This also serves to promote the Institution. May I therefore invite such members when next having stationary or business cards printed to ensure that their membership of the Royal Institution of Naval Architects is proudly displayed.

Chief Executive

RINA STUDENT NAVAL ARCHITECT AWARD

Malta University

The 2010 RINA Student Naval Architect award was presented to Stephen Mallia, whose project entitled "The Evaluation of an existing Fishing Boat Hull, developing relevant characteristics and properties" was adjudged to have been the best marine related final year project on the B.Eng.(Hons) Course at the University of Malta.

L to R: Dr. Martin Muscat (Head of the Mechanical Engineering Department), Dr. Claire De Marco, Stephen Mallia, Prof. Juanito Camilleri (Rector of the University of Malta), Prof. Robert Ghirlando (Dean of the Faculty of Engineering)



Institution signs MOU with BAE Systems

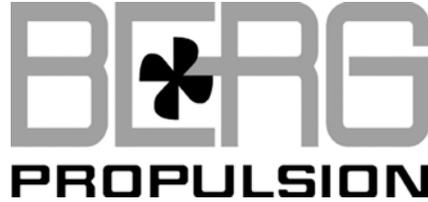
The Institution, together with representatives of other professional institutions – IMechE, IMarEST, RAeS, IET, EC and InstPhysics – has signed a Memorandum of Understanding with BAE Systems, aimed at strengthening the links between the professional institutions and BAE Systems worldwide.

Representatives of BAE Systems and the professional institutions.



New Corporate Partners

The Institution welcomes Norr Systems Pte Ltd (Finland) and Berg Propulsion (Sweden) as its latest Corporate Partners.



In addition to a wide range of benefits, Corporate Partner membership of the Royal Institution of Naval Architects, will enhance the reputation and image of a company with its customers and the industry generally. Also, both prospective and existing employees will value more highly an employer who is committed to the high professional standards and personal development demonstrated by Corporate Partner membership, thereby benefiting both recruitment and retention.

Members who are interested in their company or organisation, whether large or small, becoming a Corporate Partner and thereby demonstrating its commitment to high professional standards should contact the Chief Executive at hq@rina.org.uk or visit the Corporate Partner page on the website at www.rina.org.uk/CorporatePartners for further information.

GUIDANCE NOTES

The following Guidance Notes on professional development, application for Corporate membership and registration (with the EC), and accreditation of academic and training programmes are available online or from the Professional Affairs Department;

- Professional Development
- Initial Professional Development
- Continuing Professional Development
- IPD Log Books
- Professional Development Manual
- Mentoring

Applications for Corporate membership and Registration

- Applying for Corporate membership
- Applying for Registration
- Professional Review Report
- Professional Review Interview
- Mature Candidate Route (to Corporate membership)
- Technical Report Route (to Registration)
- Extended Professional Review Route (to Registration)
- Application for Fellow

- Accreditation
- Accreditation of Academic Courses
- Accreditation of Graduate Training Programmes

HEADQUARTERS FACILITIES

The Headquarters of The Royal Institution of Naval Architects at 10 Upper Belgrave Street, London, offer a high-quality, low-cost venue for conferences, meetings, examinations and exhibitions for any number up to 80, within 5 minutes walking distance of Victoria tube, rail and bus station. AV facilities are available and catering can be provided. Members enjoy a 10% discount on booking rates.

The Weir Lecture Hall will seat up to 80, and can be set out in conference, classroom or seminar style.



Weir Lecture Hall

The Denny Library will accommodate up to 50 in lecture room style, or seat 30 at the conference table.



Denny Library

The Members' Room will sit up to 30 in lecture room style, or seat 14 at the table.



Members' Room

For further information or to book the Headquarters' facilities, contact Sally Charity, Tel: +44 (0)20 7235 4622; Email: scharity@rina.org.uk

CARBON TRUST - OFFSHORE WIND ACCELERATOR ACCESS PROJECT

Offshore wind farms are in the right places to capture wind resource but challenging to access for operations and maintenance. The Carbon Trust is working in partnership with eight leading offshore wind developers who have licences to develop over 60% of the UK's offshore wind capacity. They are currently running a competition that is searching for solutions to transport and transfer personnel and equipment to turbines in far-shore sites around the UK.

The Trust is currently inviting proposals for:

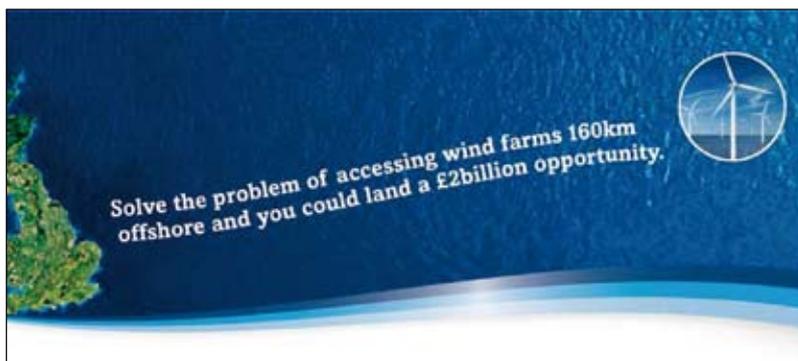
- Transfer systems - to safely transfer workers and equipment from vessels to turbines
- Vessels - to carry personnel to the turbines
- Launch and recovery systems - to allow daughter craft to transfer to permanent platforms and mother ships

Open to all

Being an open call for ideas, it is not necessary to be involved in offshore wind nor do the winning ideas need to be new; they could be an adaptation of existing technology that is currently being worked on.

Up to £100,000 development funding

Successful applicants will receive up to £100k to develop their concept, and potentially further funding to take the concept to full-scale demonstration.



2011 COUNCIL ELECTIONS

Nominations for election to Council in 2011 are invited. Nominations should be forward to the Chief Executive, to arrive by 31 Dec 2010.

Naval Architecture Internships

Student Members looking for work experience through internships may write to the Chief Executive at hq@rina.org.uk Where space permits, these requests will be published in RINA Affairs. Requests may also be posted on the Careers section of the website.

2011 EVENTS PROGRAMME

The Damaged Ship

26-27 January 2011, London, UK
<http://www.rina.org.uk/damagedship2011>

Design And Operation Of Passenger Ships

23-24 February 2011, London, UK
<http://www.rina.org.uk/passengerships>

International Conference On Innovation In High Speed Marine Vessels

2-3 March 2011, Fremantle, Australia
<http://www.rina.org.uk/highspeedmarinevessels2011>

Developments In Marine CFD

22-23 March 2011, London, UK
<http://www.rina.org.uk/marinecf2010>

Managing Reliability And Maintainability In The Maritime Industry

7 April 2011, London, UK
<http://www.rina.org.uk/ReliabilityandMaintainability>

Design, Construction & Operation Of Super & Mega Yachts

5-6 May 2011, Genoa, Italy
<http://www.rina.org.uk/superandmegayachts2011>

Basic Drydocktraining Course

10-13 May 2011, London, UK
<http://www.rina.org.uk/basicdrydock2011>

Ship Manoeuvring In Shallow And Confined Waters

18- 20 May 2011, Trondheim, Norway
<http://www.rina.org.uk/ShipManoeuvring2011>

High Speed Marine Vessels

26-27 May 2011, Naples, Italy
<http://www.rina.org.uk/HSMV2011>

RINA – d’Amico Student Naval Architect Award

The 2010 RINA – d’Amico Student Naval Architect Award was presented to Guido Bertoldi whose project entitled “*The probabilistic damaged stability approach for naval ships survivability assessment: feasibility study and application*” was adjudged to have been the best presented final year project on the Naval Architecture and Marine Technology course at the University of Genoa.

The Award was presented at a meeting of the Genoa Branch Ing. Lucio Bonaso, Chief Executive Officer D’Amico Dry.



Council member M D’Amico, Guido Bertoldi and Lucio Bonaso.

Southern Joint Branch Annual Dinner

The Southern Joint Branch of RINA & IMarEST held its Annual Dinner on 12 November 2010 at the De Vere Grand harbour Hotel in Southampton. 176 members and their guests attended. Mr. Vaughan Pomeroy, the Guest Speaker gave an informative and entertaining talk. Several RINA and IMarEST members received their 45-year Long Service Certificates. Southern Joint Branch prizes were awarded to top students and engineers from Southampton and Southampton Solent

Universities and HMS Sultan. See www.southernjointbranch.org.uk for details. The SJB is grateful to Wärtsilä, LR, DNV, Hepburn Biocare, BAE, Southampton University, Robert Barnes & Co, BMT, Qinetiq, Test Bank, Matchtech, TSI, Harris Pye for booking corporate tables, Wärtsilä for sponsoring the reception drinks and individual members for making the evening a success. Lisa Wooderson and her team are to be thanked for making the event possible.

New South Wales Section

Alan Goddard of SP-High Modulus, the Marine Business of Gurit, gave a presentation on *A Brief Overview of the Panamax Ketch* to a joint meeting with the IMarEST attended by 36 on 1 September in the Harricks Auditorium at the Engineers Australia, Chatswood. This was the third-highest attendance since EA moved from North Sydney to Chatswood in mid-2005.

Andrew Scardino of the Defence Science and Technology Organisation, gave a presentation on *Marine Biofouling: Current Challenges and Potential Solutions* to a joint meeting

with the IMarEST attended by 19 on 6 October in the Harricks Auditorium at the Engineers Australia, Chatswood.

Captain Craig Bourke RAN, the LHD Project Director, and Jeremy Redmond, the LHD Engineering Director, gave a presentation on *A Progress Report of the RAN’s Landing Helicopter Dock Project* to a meeting of the NSW Chapter of the Australian Society for Defence Engineering on 25 October in the Harricks Auditorium at the Engineers Australia, Chatswood.

Phil Helmore

Malaysian Joint Branch

The 22nd Joint Branch AGM & Annual Dinner was held on 31 October 2009 at the majestic Palace Of The Golden Horses at the Mines Resort, Kuala Lumpur. A total of about 550 guests including members were present to enjoy the Joint Branch Annual Dinner that is considered the most popular and much awaited annual maritime event in Malaysia. Prominent personalities to grace the occasion were: the Chief of Royal Malaysian Navy, Admiral Tan Sri Dato’ Seri Abdul Aziz Jaafar and the Director General of Marine Department Malaysia, Dato’ Captain Ahmad Othman.

Professor Preben Terndrup Pedersen

The 2010 CEMT Award for outstanding contribution to the European maritime industry has been presented to Professor Terndrup Pedersen, in recognition of his outstanding contribution over many years, both to the Danish and European maritime industries, and to the formation of the naval architects of the future.

For the past 37 years, Professor Preben Terndrup Pedersen has held a position as Professor in Shipbuilding at the Technical University of Denmark. He retired at the end of October 2010. Terndrup Pedersen gave a special presentation for members of The Danish Society for Naval Architecture and Marine Engineering in Copenhagen on the 8 November 2010.

Terndrup Pedersen has had a very strong influence on the shipbuilding industry both locally and internationally as a teacher and advisor for many Danish naval architects. In addition to this, he has been an external adviser for shipyards, ship owners and also different classification societies (DNV, ABS and NKK). With his technical and advanced

theoretical background, many new leading edge ship projects have been developed, including one of the latest, the *EMMA MAERSK*, which is still one of the largest container ships in the world.

During his long career he has published more than 100 international publications of which many have been in front with advanced and ground breaking research. Different new calculation methods and procedures have thus been developed by Terndrup Pedersen, of which reason he has received several prestigious awards.

The Award was presented by CEMT Council member *Hans Otto Kristensen (DSNAME)*.

The Confederation of European Maritime Technology Societies (CEMT) is a grouping of the national professional societies from the UK, Netherlands, Italy, France, Germany, Denmark, Greece, Portugal, Spain, Serbia and Turkey, who are involved in education and professional development of naval architects and marine engineers, and in facilitating the exchange of information

in the field of maritime technology. Collectively, CEMT represents over 30,000 naval architects and marine engineers, who are involved in all sectors of the maritime industry – design, construction, maintenance and operations – in universities, industry and maritime organisations.

The role of the member societies of CEMT is to set standards of professional competence for their individual members and to assist their members in achieving and maintaining those standards. The member societies also have a wider responsibility to society to promote the highest standards of professional competence by both by individuals and by companies in the maritime industry.

CEMT recognises that those aims are also shared by many organisations and individuals, and it recognises their achievement through its annual CEMT Award. The Award is presented to an organisation or individual who the Council of CEMT considers has made a significant and outstanding contribution to the success of the European Maritime Industry in any way.

Professor Terndrup Pedersen receives the 2010 CEMT Award.



Sir William Henry White KCB FRS LL.D

Sir: Sir William Henry White KCB FRS LL.D, late Chief Constructor of the RN, was a native of Devonport and became the 'first' Freeman of this short-lived town, which grew because of the existence of Devonport Dockyard. In this connection Sir William White was presented with a commemorative scroll, and a casket in which to keep it as described below:

The certificate of freemanship was supplied was described as a 'handsome' document. The engrossments were on the finest vellum and both the letters and embellishments were exceptionally chaste and artistic, the borders being almost unique. The certificate presented to Sir William White bore on the top the arms of the borough, and in the top corners of the charming borders hand-painted sketches of the *ST GEORGE* – which

was the first battleship designed by Sir William – and the *OCEAN 1898* one of his latest achievements in design. In the bottom corners were reproductions of the Dockyard Gates and a study representing Naval Architecture, and between these were the initials of the recipient, surmounted by a Naval Crown and superscribed by an anchor.

The casket of silver gilt was magnificently embellished. At the top of each were the initials of the recipient, in coloured enamel and set in a wreath of bay leaves. An inscription gave the date and occasion was on each, and miniature portraits in enamel of local places – the Guildhall, the Park, the Dockyard Gates, and some of the ships Sir William White designed. The coat of arms of the Borough were worked in blue, white and gold, and altogether

the caskets were well worthy of the much valued certificates which they are designed to contain. The Public Hall was full to capacity. The Royal Naval Band played during the interval and Sir William White inscribed his name at the head of the roll of freemen.

I would dearly like to find out if Sir William White has relatives who have kept the casket and scroll so that I may obtain a picture of it. Could one of your members help?

Sir William White died on 27 February 1913 and buried at Putney Cemetery. If any member lives near, could they perhaps take a photo for me?

Mary Wills
Secretary

The Friends of Plymouth Naval Base
Museum
rayandmary@talktalk.net

Maritime History Research

Sir: The project - www.oldweather.org might be of interest to members of the Institution who would like to share some of their nautical experience with others.

The project involves the Met Office and National Maritime Museum working with the University of Oxford, to scan and transcribe the logbooks of 280 warships and auxiliaries in World

War I. My job, as www.naval-history.net is to coordinate the maritime history side. The transcribing is being done by volunteers on the internet, many of whom have no previous experience of the sea, and yet have developed a great enthusiasm for "their" ships and the men sailing in them.

Gordon Smith

George Cameron Day

Sir: I have recently discovered that my grandfather, George Cameron Day, became a member of the Institution of Naval Architects on 13 Aug 1894. At the time he would have been working at the family shipbuilding company in Southampton, 'Day, Summers and Company'.

I wonder if any members might have any further information about him or his career or if any other members of the Day family were members of the Institution?

James Day
jamesday@waitrose.com

Royal Navy Schooners ELING and REDBRIDGE

Sir: Although I have architect's drawings of *ELING* and *REDBRIDGE*, obtained from the National Maritime Museum, neither they nor the museums at Southampton, Portsmouth are able to provide an illustration for either craft.

My interest is to find an illustration to support a paper on Admiral Kelley for the

pupils at Kelly College in Tavistock. Kelly served as a Sub Lieutenant in *ELING*.

Can any member help?

Graham Kirkpatrick
69 Parkwood Road
Tavistock PL19 0HH

The future of ship design

Sir: I am currently researching the future of ship design, in particular the future of propulsion. I would welcome the views of your members.

Mark Oberholzer
BU T&I Process Manager
mark.oberholzer@akzonobel.com
International Paint Ltd