



RINA AFFAIRS

MAY/JUNE 2012

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



In his second Report to members at the 2012 Annual General Meeting, the President spoke of how he had again had the opportunity to meet with both members of the Institution and others in the global maritime industry, and how he continued to be impressed by the standing and respect which the Institution enjoys throughout the international maritime industry. Whilst the Institution should always be proud of its roots, he said that there is no doubt that today the Institution was truly an international organisation, and that internationalism was reflected in its membership and all its activities.

The President went on to give a positive and upbeat report on the Institution's activities over the past 12 months, whilst recognising both the impact on the Institution which the industry's continued downturn in activity had had during the year, and the challenges which the Institution would continue to face over the next 12 months if it was to maintain and even increase the service which it provided to its members, the naval architecture profession and the industry. The full text of his Report is published in this issue of RINA Affairs and on the website.

The Institution's Medals and Prizes were also presented at the AGM, and I am sure members will join with me in congratulating those whose achievements were recognised by their award.

At the Annual Dinner, the President again spoke of the opportunity he had had to meet with members of the Institution and others in the maritime industry over the past 12 months, and how he had never failed to be impressed by the standing in which the Institution was held throughout the maritime industry. He felt that the truly global nature of the industry was represented by a truly international organisation, and this was reflected in its membership and its activities. He believed that the Institution could be even more valuable during such difficult and changing times, in providing a framework for coming together as an industry to examine and share new ideas that are needed to meet the new challenges that it faces.

The presentation at the Annual Dinner of the first RINA – Lloyd's Register Maritime Safety Award to the Royal National Lifeboat Institute, and the William Froude Medal to Professor Dracos Vassalos were well received. Details of the presentations are reported in this issue of RINA Affairs.

2012 was indeed been another challenging year for the Institution and its members, which I believe makes both it and their achievements all the more commendable. I look forward to reporting similar achievement in 12 months' time.

Chief Executive.

IN THIS ISSUE

2012 Annual General Meeting

The results of the elections to Council, award of prizes and medals, the Treasurer's Report and the President's Address are reported in this issue of RINA Affairs.

2012 Annual Dinner

Over 500 members and guests attended the 2012 Annual Dinner, held at the London Lancaster Hotel. The principal guests were Mr Koji Sekimizu, Secretary General of the IMO, and Mr Jim Davies, Chairman of the International Maritime Industries Forum.

Australian Division AGM

Jim Black was elected as President of the Division at the 2012 AGM.

William Froude Medal

The William Froude Medal has been awarded to Professor Dracos Vassalos FRINA.

RINA Small Craft Group Medal

The 2011 Small Craft Group Medal is awarded to Mr Andrew Blyth.

CEMT

The CEMT Award has been presented to Professor Carlos A. P. Guedes Soares FRINA of the Instituto Superior Tecnico, Lisbon.

RINA – LR Maritime Safety Award

The 2011 Maritime Safety Award has been presented to the Engineering and Support Department of the Royal National Lifeboat Institution.

Fathom Shipping

Fathom Shipping offer RINA members a reduced price on the full suite of Fathom publications with critical technology, plus a delegate pass for Ship Efficiency: The Event.

Garden Party

Members of the Secretariat staff were guests at the Royal Garden Party.

2012 Annual General Meeting

The 2012 Annual General Meeting was held at the Institution's Headquarters on 17 Apr 2012. The meeting was chaired by Mr Peter French, President of the Institution.



The President the 2012 AGM

Resolutions

The following Resolutions were passed at the Annual General Meeting:

Resolution 1 – To re-elect Mr P French as President

Resolution 2 - To re-elect Mr A Marsh as Treasurer

Resolution 3 – To elect haysmacintyre as the Institution's auditors for 2012

Elections to Council

The following members were elected to Council in 2012:

VICE PRESIDENTS

D Aldwinckle

N P Pattison

FELLOWS

R Gehling

R W Birmingham

J Hudson

H Karranasos

S Rusling

MEMBERS

R K Buchan

S Watts

W Kelly

ASSOCIATE MEMBERS

R Spink

Institution medals and prizes

The following medals and prizes were presented at the AGM:

Institution Medal of Distinction (paper published in the Transactions)

I Viola, J P Pilate and R G J Flay for their paper *"Upwind sail aerodynamics: a pressure distribution database for the validation of numerical codes"*

P Ruponen, P Kurvinen, I Saisto and J Harris for their paper *"Experimental and numerical study on progressive flooding in full-scale"*

Wakeham Prize (Best general paper by an author under the age of 30)

D A Wing for his paper *"Ship operability predicted from long term directional wave records"*

David Goodrich Prize (best paper presented at the annual Warships conference)

M Nordin, for his paper *"Overview of a Methodology for the Early Phase in System Design of Future Submarines"*.

Austin Farrar Prize (best small craft paper by an author under the age of 30)

J P Pilate for his paper *"Upwind sails aerodynamics: a pressure distribution database for the validation of numerical codes"*

Samuel Baxter Prize (best paper on the subject of safety by an author under the age of 30)

T Andrewartha for his paper *"Ship motions during replenishment at sea operations in head seas"*

W H C Nicholas Prize (best design paper by an author under the age of 30)

R H M Huijsman for his paper *"Froude's law of similitude – contemporary and future seakeeping testing"*

RINA Small Craft Group Medal

The 2011 Small Craft Group Medal is awarded to Mr Andrew Blyth in recognition of his long-standing contribution to improving the methods for assessing of the stability of small and high-speed craft and to setting such standards.

Andrew's contribution is ably described by listing his involvement with various organisations and authorities concerned with small and high speed craft.

He has been the Convener of ISO/TC188 Working Group 22 - small craft, stability and buoyancy - since its formation in 1990. He led the WG to achieve the first comprehensive standard for the stability and buoyancy ISO 12217 for all forms of small craft.

He was a Consultant to the Maritime & Coastguard Agency throughout the development of the IMO Code of Safety for High-Speed Craft, overseeing an associated program of stability research. He also made a significant contribution to the safety of Coded Vessels.

Andrew Blyth receives the SCG medal



He was Consultant to the MoD Procurement Executive for the development of stability standards for unconventional vessels.

He was Consultant to the Department of Transport and Civil Aviation Authority regarding the development of stability standards for surface-effect ships.

He was Consultant to the British Marine Federation regarding the development of the Hire Boat Code.

Andrew has also contributed through his membership of the Institution's Small Craft Committee (since late 1980's), the Safety Committee (since early 1990's), and the High-Speed Vessel Committee (since its formation in 2000). He has also represented the Institution at many IMO and MCA committees.

Council's Certificate of Appreciation

The Council's Certificate of Appreciation was awarded to David Aldwinckle FRINA in recognition of his leadership and personal commitment as the first and current



David Aldwinckle receives Council's Certificate of Appreciation

Chairman of the IMO Committee.

Treasurer's Report to the AGM

The following report was made at the AGM by the Treasurer:

"The summarised Statement of Financial Affairs for the year ending 30 September

2011 is included with the Annual Report of Council, published online. The full version of the Statement of Financial Affairs is available from the Chief Executive.

Income in 2010/11 was £2.54m compared to £2.5m in 2009/10. Expenditure in 2010/11 was £2.4m, compared to £2.58m in 2009/10. These figures reflect a reduced level of Institution activities, particularly in advertising revenue, sponsorship and attendance at conferences, which was not unexpected, given the continuing low level of activity in most sectors of the global maritime industry over the past year.

There was an operating surplus in 2010/11 of £131k, compared with an operating deficit of £65.5k in 2009/10. These figures are not directly comparable, since, as I reported to you last year, the 2009/10 figure included a number of exceptional items. The more rigorous system of credit control, introduced last year, has continued to help counter the tendency to later payments, again a reflection of the state of the maritime industry.

Although a number of efficiency measures contributed, the main reason for the relatively large operating surplus was the very successful ICCAS conference organised in Italy late last year. This is a major 300+ delegates, 60+ speakers bi-annual conference which the Institution has organised the past three conferences. It is a measure of the Institution's reputation for organising successful conferences, both professional and administrative, that it has been invited to organise the conference in 2013, in Korea, where I hope it will have the same impact on the Institution's finances.

The total value of the Institution's funds at 30 Sep 2011 was £2.66m, compared with £2.58m at 30 Sep 2010. This showed a modest, but nonetheless welcome increase in value, reflecting the equally modest improvement in the world financial markets. However, it should be appreciated that with the fluctuations in the markets, valuation at other times in the year may have given a less favourable change over the year.

2010/11 proved to be another challenging year, with all the Institution's revenue streams

affected by the reduced level of activity in the global industry. Once again, the increase in membership numbers was not matched by an increase in membership fee income, mainly due to the increase coming from those countries which have reduced membership fee rates. Nonetheless, this represents an investment in the future as the economies and personal incomes of members in such countries as China and India continue to grow. There was again a larger than usual number of resignations and members declining to accept even the retired rate of fees, reflecting the state of the maritime industry. I am pleased to report, and not only from a Treasurer's perspective, that the unusually high number of deaths last year was not repeated.

Comparison with other similar organisations is difficult, but subjectively and notwithstanding the reductions in attendance at most conferences, sponsorship and advertising which I referred to earlier, the Institution has performed well, given the financial difficulties which all are experiencing. For example, I believe that the Institution's market share of the reduced global advertising cake remained constant, and may even have increased, again reflecting the quality of the Institution's publications, but unfortunately it was again of a somewhat reduced size of cake. I need not remind you of the importance of advertising as a revenue stream.

It remains Council's policy to maintain reserves at the level of three months' forward operating costs.

The auditors expressed their satisfaction in the manner in which the Institution's Accounts were presented. The Council has therefore approved the Annual Accounts as presented to you in the Statement of Financial Affairs.

Briefly looking ahead, 2011/12 is again proving to be a challenging year, although many sectors are reporting an increase in confidence, which hopefully will be reflected in the Institution's financial activities. However, as in previous years, the Institution will continue to monitor the position and take corrective action if required."

President's Address

The President gave the following Address to the AGM.

"It is with great pleasure that I present my second report as the 30th President of this great Institution. In doing so, I must confess that the feeling of trepidation is no less than it was on my first occasion of addressing you as the President, but equally, the feeling of honour is no less.

As is traditional, I would like to take this opportunity to reflect on the Institution's achievements over the past year, and look forward to what changes and activities members can expect over the next 12 months.

In the past year as President, I have again had the opportunity to meet with both members of the Institution and others in the global maritime industry – those which the Chief Executive refers to as potential members – and I continue to be impressed by the standing and respect which the Institution enjoys throughout the international maritime industry. Whilst the Institution should always be proud of its roots, there is no doubt that today the Institution is truly an international organisation, and that internationalism is reflected in its membership and all its activities.

Membership increased over the past year by 3.5% and for the first time in its history has exceeded 9,000 members. As in previous years, that increase has come entirely from countries other than the UK. That of course is to be expected, since the Institution must and does reflect the international maritime industry. Not surprisingly, the difficulties which the global maritime industry, and therefore members of the Institution in the industry, continue to experience has led to an increase in the number of members relinquishing their membership, albeit reluctantly. The net increase in Corporate members over the past 12 months is therefore all the more welcome.

The increase in Associate Members – those seeking to gain the professional competence and experience to become Corporate members – is also particularly welcome and reflects the continuing priority which the Council gives to encouraging the younger members of the profession to be involved with the Institution. Sensibly, the Council does not define younger members!

But the Institution cannot be complacent over these increases in membership. Whilst it may seem inappropriate for a professional institution, the Institution must continually sell the benefits of membership, and this is of course an area to which all members may contribute. Do you perhaps have engineering colleagues who are directly involved in the design, construction and maintenance of marine structures, regardless of whether they are naval architects, who are not members? Do you have colleagues who are not engineers, but who are involved or interested in the design, construction and maintenance of marine structures? If so, please contact the Chief Executive who will do the rest - *in his usual persuasive manner*.

As I mentioned, over the past year, the Institution has maintained its priority of encouraging the involvement of the younger members of the naval architecture profession in its activities. This is achieved through student membership, sponsored places at the Institution's conferences, and the prizes and awards which recognise the achievement of students and graduates. These awards are co-sponsored by local industry, serving to demonstrate the valuable link which the Institution provides between universities and industry.

The number of students attending the Institution's conferences increased over the past year, but demand always outstrips the number available and more places are always sought. If your company would be interested in sponsoring a place, at a very modest cost, again, please contact the Chief Executive.

Further links with universities were developed through the first time accreditation of courses at the Surabaya State Shipbuilding Polytechnic, as well as re-accreditation of courses at Newcastle, Strathclyde and Plymouth Universities.

For many members, one of the greatest benefits of membership is the opportunity to meet other maritime professionals at local Branch or Section meetings. The Chief Executive has apologised for not forming any new branches in the past year, and has voluntarily given up his bonus – *or he would have done if he had been offered one*. However, all the Institution's Branches and Sections have had active programmes of technical meetings and other activities. I would like to take this opportunity on behalf of the Institution to thank those members who give willingly and freely of their time to serve on the Branch and Section Committees. Without their efforts such activities would not take place.

The Chief Executive often refers to what he describes as the Institution's mission statement in 1860 – *not a term which I am sure would have been recognised by the Institution's founding fathers* – "to promote and facilitate the exchange of technical and scientific information ... thereby to improve the design of ships". This has indeed continued to be the role of the Institution over the past 12 months, achieved through its publications and its conferences.

The Institution's journals were again published in both printed format and online: *The Naval Architect, Ship & Boat International, Shiprepair & Conversion Technology, Warship Technology and Offshore Marine Technology* have all continued to enjoy their well deserved reputation as the leading technical journals in their fields, appreciated for the quality and scope of the content in the 100 and more countries in which they are distributed. Last year, *The Naval Architect* journal celebrated its 40th anniversary.

Last year, the Institution introduced a new journal – the *International Journal of Marine Design* – as Part C of the

Transactions. This new journal, whose introduction was made possible by a European Union grant, reports on those aspects of marine design where the emphasis is on form rather than function.

Year on year, the annual accounts show the importance of the income which the Institution derives from its publications and, particular, its journals. The Institution is grateful for the work of the editorial staff in maintaining such high quality and to the advertising sales and production staff whose efforts ensure the commercial success of the journals – an achievement all the more laudable given the current state of the maritime industry.

The Institution continues to enjoy a well deserved reputation for the quality of its international conferences. Last year saw a comprehensive programme of conferences and courses, organised or co-organised in Australia, Italy, Norway, Greece, India and the UK. As always, the Institution's conference will reflect developments in the maritime industry, with marine renewable energy and the environment increasingly featuring in its conferences. Attendance at the Institution's conferences has remained high, although sponsorship was again reduced over the year – another casualty of the industry downturn. However, there has been no downturn in the professional quality of the Institution's conferences.

The Institution has continued to encourage high standards by recognising the achievement of both those young and not so young members of the profession and industry. It was a great pleasure to present the Institution's medals and prizes this morning. Last year, the Institution introduced a new award – the Maritime Safety Award. Sponsored by Lloyd's Register, this award invites members of the global maritime industry to nominate individuals or organisations which have made a significant technological contribution to improving safety at sea or the protection of the maritime environment. The Award is perhaps all the more valued since it reflects the recognition of the industry as well as the Institution of that achievement. It will give me great pleasure to present the first

Award to the Engineering and Support Department of the Royal National Lifeboat Institution for its innovative work in ensuring and improving the safety of its lifeboats. Through this innovation, the Department provides for the safety of not only their volunteer crews, but also that of the many people rescued each year by the Institution. I would invite you, as members of the global maritime industry, to forward your nominations for the 2012 Maritime Safety Award.

I referred earlier to the Institution's international standing throughout the global maritime industry, and that standing is demonstrated by the acceptance of Sergey Franck, President and CEO of SOVCOMFLOT – Russia's largest shipping company – of the invitation to present the 2012 President's Invitation Lecture – an event which attracted the largest ever audience at a President's Invitation Lecture. The Chief Executive found it extremely painful to have to turn away delegates to the event, having reached the venue's capacity! That standing is also reflected in the acceptance of Koji Sekimizu to be the principal speaker at the Institution's Annual Dinner this evening, so early into his appointment as the Secretary General of the International Maritime Organisation.

And nowhere is the Institution's international standing more evident than in its activities at the International Maritime Organisation, where it continues to be one of the most active NGOs, in terms of both attendance and contribution. The Institution's contribution was acknowledged by the previous Secretary General of the IMO when he received his Honorary Fellowship of the Institution. This year, the Institution celebrates the 10th anniversary of its appointment as an NGO at the IMO.

The Institution's success as an NGO is due in no small part to the time and effort which members of the IMO Committee and other members of the Institution willingly give to representing the Institution at IMO meetings. The contribution of each and every member is valued and appreciated, but I know

that they would all agree that this success owes much to the leadership and personal commitment of David Aldwinckle, as the first and current chairman of the IMO Committee. On behalf of Council, I would like to recognise the contribution which David has made by the Award of its Certificate of Commendation.

I would like to take this opportunity to also pay tribute to the work of the members of all the Institution's standing committees, where much of the Institution's work is done.

The Institution's links and standing with industry were demonstrated by the eight companies and organisations which became Corporate Partner members of the Institution last year. If your company would benefit from being a Corporate Partner member of the Institution, again, please contact the Chief Executive and he will do the rest.

I have given what I hope you will agree has been a positive and upbeat report on the Institution's activities over the past 12 months. I said at the beginning of my report that I would also look to the future, at least over the next 12 months. In short, it will

SECRETARIAT STAFF AT THE GARDEN PARTY

Members of the Secretariat Staff were guests at a recent Garden Party at Buckingham Palace – an experience which they will not forget.





Heike Deggim

be more of the same. However, I would not wish to underestimate the continuing impact on the Institution of the industry's downturn in activity during the year, nor indeed the challenges which the Institution will continue to face over the next 12

months if it is to maintain and even increase the service which it provides to its members, the naval architecture profession and the industry. Nonetheless, I am confident that this will be achieved. I hope you agree with me.

Ladies and gentlemen, the floor is now yours, to agree, disagree or query. “

The President's Address may be read online at www.rina.org.uk/Institution

“Progress on Producing a Polar Code”

Following the 2012 AGM, Heike Deggim of the International Maritime Organisation gave a presentation “Progress on Producing a Polar Code.

MARITIME DIRECTORIES

The RINA website contains a number of Directories, providing information on members' services, academic courses and related websites.

Maritime Services Directory

**Do you or your company provide services or products to the public or the maritime industry?
If so, promote yourself or your company by an entry in the online Maritime Services Directory.**

Members will be aware that there are many online directories which list companies that provide services to the public or the maritime industry. Most of these directories seek quantity rather than quality of entries, and obtain their revenue through advertising rather than subscription.

Members of the Institution have, through their membership, demonstrated their achievement of internationally recognised standards of professional competence and integrity. Their membership is therefore an advertisement for the quality of the service or product which they offer.

The Institution's Maritime Services Directory restricts entries to companies which employ or are owned by members of the Institution. Entries are listed by category and will show company name, contact details, a brief description of the company, and a link to the company's website. All members are entitled to a free entry in the Directory.

Applications for an entry should be made online at www.rina.org.uk/MaritimeServices.

All queries to Headquarters for members' services will be referred to the Maritime Services Directory.

Maritime Courses Directory

Naval Architecture and related courses are listed in the online Maritime Courses Directory. Entries may be submitted online by university staff members at www.rina.org.uk/MaritimeCourses. All queries about academic courses will be referred to the Maritime Courses Directory.

Proposed entries for the Maritime Links Directory can be made online at www.rina.org.uk/MaritimeLinks

Over 500 members and guests attended the 2012 Annual Dinner, held at the London Lancaster Hotel in London on 17 April. As always, the Dinner was well supported by the maritime industry with a number of companies and organisations taking tables and holding receptions.



Members and Guests at the 2012 Annual Dinner



Top Table Guests.

The President welcomed the Institution's guests, who included many Chairmen and Hon. Secretaries from the Branches, together with representatives of the Institution's Corporate Partner members. Joining him at the top table were senior representatives of professional institutions and other organisations in the maritime industry, as well as past Presidents of the Institution.

In introducing the first speaker of the evening, the President welcomed Koji Sekimizu, Secretary-General of the International Maritime Organization. He noted that this was the first Institution Annual Dinner attend by Mr Sekimizu as the Secretary General.

President's introduction

"Koji Sekimizu studied marine engineering and naval architecture

and joined the Ministry of Transport of Japan in 1977, working initially as a ship inspector and moving on to senior positions in both maritime safety and environment related positions within the Ministry. He began attending IMO meetings as part of the Japanese delegation in 1980 and joined the IMO Secretariat in 1989, initially as Technical Officer, in the Sub-Division for Technology, Maritime Safety Division, and later becoming Head of the Technology Section in 1992. He was appointed as the Senior Deputy Director, Marine Environment Division in 1997, and as Director of that Division in 2000, before becoming the Director of IMO's Maritime Safety Division.

In an interview he gave with the Institution's journal, *The Naval Architect*, shortly after his election, he said that he did not see problems as difficulties, but as opportunities to find solutions to move the industry forward, although he also stated that the was under no illusions as to the challenges of the tasks that lie ahead

He identifies four major "opportunities"; piracy, the debate over market-based measures for controlling greenhouse gas emissions; the IMO member state audit scheme and finding a solution to the financial conundrum regarding the World Maritime University in Malmö, Sweden.

I am sure that all of us in the maritime industry congratulate Koji Sekimizu on

his appointment as the Secretary General of the IMO, and wish him every success. Undoubtedly, that appointment will provide no shortage of challenges. The Institution is grateful that he was able to accept the invitation to speak this evening, at such an early time in his appointment."

The President's Speech

In his speech, the President again spoke of the opportunity he had had to meet with members of the Institution and others in the maritime industry over the past 12 months, and how he had never failed to be impressed by the standing in which the Institution was held throughout the maritime industry. He felt that the truly global nature of the industry was represented by a truly international organisation, and this was reflected in its membership and its activities. He believed that the Institution could be even more valuable during such difficult and changing times, in providing a framework for coming together as an industry to examine and share new ideas that are needed to meet the new challenges that it faces.

Jim Davies

The President welcomed Jim Davies as the third speaker of the evening,

President's introduction

"It is a pleasure to welcome back Jim Davies, Chairman of the International Maritime Industries Forum, who is also no stranger to the Institution's Annual Dinner.

I say welcome back, because Jim is no stranger to the Institution's Annual Dinner – I think this is the fourth occasion on which he has spoken at the Dinner.

Jim has been involved with the maritime industry for more years than I suspect he would care to admit, wearing many hats. In introducing him, my problem is where in the 26 lines of his entry in Who's Who to start. He studied

Koji Sekimizu, Secretary General IMO





Jim Davis replies on behalf of the guests

at Clare College Cambridge where he gained his MA. He has served in the Royal Navy. He is, or at sometime has been, a Director of P&O Lines, Kleinwort Benson Ltd, Associated British Ports Ltd and Global Ocean Carriers, to name but a few. He is or has been Chairman of Global Ocean Carriers, the Marine Society and British Rail Anglian Board, and member of the British Transport Docks Board. He is, or has been, President of the Danish UK Chamber of Shipping, the Institute of Chartered Shipbrokers, the Chartered Institute of Transport, the National Waterways Transport Association and the World Ship Society, again to name but a few. He is a member of the Baltic Exchange, the Greenwich Forum, the international and UK committee of Bureau Veritas and the

General Committee of Lloyd's Register. He has been a Trustee of the National Maritime Museum and is a Member of the Council of the Missions to Seafarers, and Governor of the World Maritime University. He is a Liveryman of the Honourable Companies of Shipwrights, Master Mariners and World Traders, and Younger Brother of Trinity House. He is a Fellow of the Nautical Institute, the Institute of Chartered Shipbrokers and the Royal Society of Arts. Perhaps he is best known to many of you as the Chairman of the International Maritime Industries Forum, a position he has held since 1981.

And last, but not least, he is Vice President of Harwich & Parkeston Football Club, which for those of you who do not follow football that closely,

plays in the Jewson league, albeit non too successfully at the moment.

I note that Jim gives his recreation as golf, family and ships. Of the last of those, there can be no doubt. There can be few sectors of the maritime industry with which Jim has not been involved at some time. Indeed, my introduction of him could easily become a speech, but that is what he is here for, and what he does so well. Ladies and gentlemen, it is my great pleasure to welcome Jim Davis."

Presentation of the 2011 RINA – Lloyd's Register Maritime Safety Award

In announcing the 2011 RINA – Lloyd's Register Maritime Safety Award, the President stated that since its formation in 1860, the Royal Institution of Naval Architects had been rightly proud of its traditions which included the recognition of the significant achievements of individuals and organisations in the maritime industry.

The Royal Institution of Naval Architects strongly believed that the safety of both the individual and the maritime environment begins with good design and continues with sound construction and skilled operation. Both individuals and organisations contribute to achieving this.

Last year, in conjunction with Lloyd's Register, the Institution introduced a new award – the Maritime Safety Award – which gives individual members of the global maritime industry the opportunity to nominate individuals or organisations which they considered had made a significant technological



David Brook and members of the Engineering and Support Department of the RNLI receive the Award

contribution to the improvement of safety at sea or the protection of the maritime environment. There can be, perhaps, no greater recognition than that by one's peers.

The President announced that the first Maritime Safety Award has been presented to the Engineering and Support Department of the Royal National Lifeboat Institution for its innovative work in ensuring and improving the safety of its lifeboats. Through this innovation, the Department provides for the safety of not only their volunteer crews, but also that of the many people rescued each year by the Institution.

The Award was presented by Tom Boardley, Marine Director and Tim Kent, Marine Technology Director at Lloyd's Register to David Brook, Engineering and Supply Director at the RNLI.

Presentation of the William Froude Medal

The President noted that whilst the Maritime Safety Award had recognised the specific achievement of an organisation, such achievement could also be by an individual over a number of years. The Institution's William Froude Medal was the Institution's highest professional honour, awarded from time to time to a person of any nationality who, in the opinion of the Council of the Institution, had made some conspicuous contribution to naval architecture or shipbuilding and whose services and personal achievements in this direction merited special consideration.

Such an individual, the President said, was Professor Dracos Vassalos, Professor of Maritime Safety and Director of the Ship Safety Research Centre (SSRC) at Strathclyde University.

Throughout his career, Professor Vassalos had been instrumental and successful in nurturing a safety culture in the maritime industry. He set up the Ship Safety Research Centre in 1996, which



Professor Vassalos receives the William Froude Medal from Dr Peter Usher, himself a recipient of the Medal

has since become leading authority on maritime safety and the focus of active international collaboration. Since its inception, the Centre had instigated and co-ordinated related research, and has supported the development of every major new legislation on maritime safety.

Professor Vassalos was successful in establishing a European Thematic Network to promulgate "Design for Safety" and inculcate the maritime industry. This brought industry and academia together in an unprecedented research effort, amounting to some €150M and involving over 250 organisations, over 15 years.

Over many years, he had founded and chaired many International Conferences and Workshops, and organised training courses and workshops to promote technology transfer to the maritime industry. The success of these events has been due in no small part to the standing which Professor Vassalos enjoys in the international maritime industry – which the President noted, was no small achievement for an academic!

Professor Vassalos had supported rule development as member of the UK delegation to IMO for ship safety over 31 years. There he spearheaded the adoption of risk-based approaches at IMO and paving the way towards a "risk-based maritime future", as proclaimed by the Secretary General of IMO in 2002.

He founded Safety at Sea Ltd, of which he was the current Chairman, to facilitate technology transfer and to provide invaluable feedback for targeted research.

The name of Professor Dracos Vassalos, said the President, was synonymous with the development, improvement and ground breaking work on the survivability of ships. His work on this was unsurpassed, from the development of model testing of all the Northern European ferries to the current probabilistic approach to passenger ship survivability. He had been at the forefront in instigating improvement in ship survivability. Such dedication and achievement over many years had made Professor Vassalos a worthy recipient of the William Froude Medal, joining the 23 other recipients of the Medal.

Australian Division

At the Division's AGM on 27 March 2012, Jim Black was elected President of the Division. Martin Renilson remains a member of the Division Council as Immediate Past President. Previous Past President, Stuart

Cannon, has therefore retired from Division Council but remains a RINA representative on the Joint Board with Engineers Australia.

Changes to the Australian Division Constitution, approved at the AGM, were

endorsed by Council at its meeting on 17 April 2012. The Constitution and changes are published on the Australian Division page of the website at www.rina.org.uk/Australia

New South Wales Section

The NSW Section held its 14th AGM on the evening of 7 March, following the March technical presentation in the Harricks Auditorium at Engineers Australia, Chatswood, attended by 17 with Graham Taylor in the chair.

Andrew Baglin, international sailing umpire and PhD candidate at the University of New South Wales, gave a presentation on *Racing for the America's Cup* to a joint meeting with the IMarEST attended by 39 on 7 March in the Harricks Auditorium at Engineers Australia,

Chatswood. This was the fourth-highest attendance of the 52 technical meetings held since Engineers Australia moved from North Sydney to Chatswood in June 2006.

Alan Taylor, Principal of A.H. Taylor and Associates, gave a presentation on *Shipping Disasters and their effects on Ship Design and International Conventions* to a joint meeting with the IMarEST attended by 23 on 4 March in the Harricks Auditorium at Engineers Australia, Chatswood.

John Jeremy, of the Royal Institution of Naval Architects, gave a presentation on *LHD and LSD – the Evolution of Australia's Amphibious Capability* to a joint meeting with the IMarEST attended by 25 on 2 May in the Harricks Auditorium at Engineers Australia, Chatswood.

John's presentation was recorded for webcast by Engineers Australia and is available for viewing online at www.engineersaustralia.org.au/webcasts/mediavisionz.

Phil Helmore

PEOPLE IN THE NEWS

CEMT Award

The CEMT Award is presented annually by the Confederation of European Maritime Technology Societies (CEMT) in recognition of the outstanding contribution made to the success of the European maritime industry by an individual, company or organisation. Such contribution may be technological, political or economic, and may have been achieved by a personal contribution over a period of time, or by the recent introduction of a product or service.

At the meeting of the Council of CEMT, chaired by the Chief Executive of the Institution, it was unanimously agreed that the CEMT Award should be presented to Professor Carlos A. P. Guedes Soares FRINA of the Instituto Superior Tecnico, Lisbon, in recognition of his outstanding personal contribution over many years to the furthering and dissemination of knowledge in maritime technology through your research work, and through his activities as chairman and organiser of international maritime conferences.

THOUGHTS FOR THE MONTH

It's not the towering sail, but the unseen wind that moves the ship

English Proverb

He that would learn to pray, let him go to sea.

English Proverb

Smooth seas do not make skillful sailors.

English Proverb

The ship that will not obey the helm will have to obey the rocks.

English Proverb

Senior Appointment

Dr Kirsi Tikka FRINA has been appointed President and Chief Operating Officer of ABS Europe.

3rd UK MTPC 2012 Report

60 delegates gathered at University of Strathclyde, Glasgow, on 7-8 June for the 3rd UK Marine Technology Postgraduate 2012 Conference. The conference consisted of two days of single-session presentation, given by 28 research students and early career researchers from eight UK marine technology research institutes. These included students not only from the original four Naval Architecture departments at the Universities of Strathclyde, Newcastle, Southampton, and University College London, but also students from Plymouth, Cranfield and Queen's University Belfast.

The conference was kindly sponsored by Lloyd's Register, and the Keynote speech on "Post Fossil Fuel Economy 2050" was given by Dr Fai Cheng, Head of Strategic Research Group at Lloyd's Register. This was preceded by a University Welcome by Head of the Naval Architecture and Marine Engineering Department, Professor Atilla Incecik.

Following the Keynote speech, the first day continued with sessions on Marine Structures, Maritime Technology and Fluid-Structure Interactions. Each session was co-chaired by an academic and an industrial delegate. The day ended with a conference dinner held on the University campus, which enabled students, academic

and industrial delegates alike to build networks for the future. The second day saw sessions on the subjects of Hydrodynamics, Navigation and Manoeuvring, Bio-Inspired Technology and Fluid Dynamics.

The Royal Institution of Naval Architects supported the event through the provision of a prize for the best presentation given. This was judged by one of the MTPC Conference originators, Dr Simon Benson, and Lloyd's Register representative Dr Yongwon Lee. The overall standard of all presentations was very high, with several receiving an honourable mention, and the top three were:

3rd - Mr Björn Windén of University of Southampton for his presentation on "Viscous Effects on Added Resistance in Waves"

2nd - Miss Fanfan Sun, also of University of Southampton for her presentation on "Application of Smoothed Particle Hydrodynamics Method for Multi-Phase Flow"

1st - Miss Maryam Harotunian of Newcastle University for her excellent presentation on "Mission-Based Optimum System Selection for Unmanned Underwater Bio-Inspired Vehicles".

*Paula Kellett, University of Strathclyde
3rd UK MTPC Organising
Committee Chair*

Delegates at the 2012 MTPC

Measured Mile or Measured Time?

Due to changes in ship speeds, old sea trial methods employed by many shipyards or indeed owners after conversion, are now somewhat outdated in their approach to the measured mile distance. Although ITTC, IMO, ISO etc have greatly contributed to more modern approaches, the time factor was left out and only mentioned by MARIN.

Based on that and other data, I have tried to present an approach that would

better illustrate the importance of trial duration as opposed to the standard nautical mile distance which is alas still employed by many Yards.

I hope it will help readers to see this exercise from their point of view and contribute further to the case. It has been thus kept down to absolute brevity and I am glad to provide the first or any other of the references should anyone ask for it.

P Leontis FRINA CEng

'City of Adelaide'

Sir: Good progress is being made to move the clipper 'City of Adelaide'. Recent photos of the ship can be seen at the following links:

<http://cityofadelade.org.au/transportation.html>
<http://cityofadelade.org.au/aerial-photography.html>
<http://cityofadelade.org.au/cradle.html>

*Peter Roberts, Director & Naval Architect
Clipper Ship 'City of Adelaide' Limited*