



JANUARY 2022

THE SHIPPING LANES

RINA & IMarEST Southern Joint Branch Bulletin

Here we go again...

Just as we were hoping for a return to some normality, COVID rears its ugly head. As many of you will know we were planning to provide hybrid lectures as a follow on from our first in-person event of the year, the President's Drinks Reception. Sadly we have had to put those plans on hold and the upcoming lectures and AGM will be held using Zoom only. We will also be delaying our plans for an Early Careers Professionals event.

However, it is not all doom and gloom as this is the time of year when we celebrate the successes of our younger members and the lives and times of our long serving members. Later on in this issue of The Shipping Lanes you be able to read all about their achievements.

In the meantime I hope you and your families stay safe.

Happy New Year

Lizzie McCaig, Southern Joint Branch Council Chair

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Prize winners

The Southern Joint Branch awards a number of prizes to young members who have demonstrated exceptional ability and dedication, whether that is being the best student in their year at university or the outstanding engineering officer at HMS Sultan. We also award a prize for the best lecture of the previous season.

Top Final Year Student 2020/2021 on the Oceanography Degree at the University of Southampton

Claire Conning MSci

Studying an integrated Masters in Oceanography at the University of Southampton allowed me to combine my keen interest in Chemistry, Maths, Physics and Biology to develop an understanding of the dynamic and vibrant world within our oceans. I found the prospect of unlimited learning and undiscovered phenomena truly exciting and was constantly motivated throughout my degree to broaden my oceanographic knowledge.

After 4 years, I now have experience in not only subject matter, but also invaluable fieldwork, scientific report writing, presentation and data analysis skills that I can take with me as I start my career in the marine industry. As an avid water sports enthusiast and aspiring marine consultant, I can't see myself living very far from the sea for the rest of my life!

Having the knowledge and skills to contribute to marine sustainability and help develop a future which looks after our oceans, has always been my long-term goal and it is one which I now feel equipped to achieve.

"The will to win,
the desire to
succeed, the urge
to reach your full
potential, these
are the keys that
will unlock the
door to personal
excellence."

CONFUCIUS



Claire Conning

Prize winners cont.

Top Final Year Student 2020/2021 on the Ship Science with Semester Abroad Degree at the University of Southampton

Riccardo Brizzi Albertelli MEng (Hons)

My passion for naval architecture and maritime engineering began many years ago. I was always determined to pursue the best possible education in this sector and, therefore, when the time came, I did not hesitate in selecting the MEng degree in "Ship Science – Naval Architecture" offered by the University of Southampton. In doing so, I was able to gain experience not only in naval architecture as a whole, but also in other subjects, such as economics, ship production, management and law, which I feel are essential in completing the profile of an engineer.

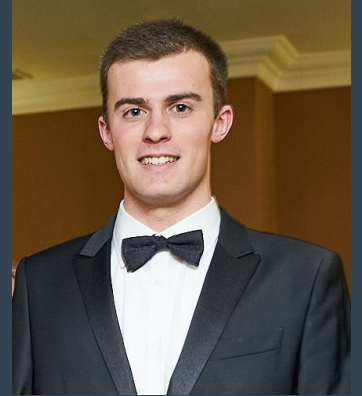
After graduating in July 2021 with a First Class MEng degree in Naval Architecture from the University of Southampton, I began my professional career in the Cruise Division of Fincantieri S.p.A. as the Planner for the "Princess Sphere" project. As such, I am responsible for the planning and integrated management of all engineering, purchasing and production activities related to the construction of the two largest cruise ships ever built in Italy.

Being employed by one of the major players in the global shipbuilding market, I currently have the opportunity of further developing those skills whilst helping to deliver state-of-the-art cruise ships to clients around the world.

I do not know what the future has in store for me, but I definitely intend to continue developing my professional career in the shipping industry through dedication, hard work and endless passion!

"The will to win, the desire to succeed, the urge to reach your full potential, these are the keys that will unlock the door to personal excellence."

CONFUCIUS



Riccardo Brizzi Albertelli

Prize winners cont.

Top Final Year Student 2020/2021 on the Yacht & Powercraft Degree at Southampton Solent University

Lewis Brown BEng

I joined the BEng (Hons) Yacht & Powercraft Design course at Solent University in 2018 after completing over 10 years in competitive youth sailing, during this time I benefited from a well-structured course giving me access to design practise with expert teaching staff. My success during the course as a student, a course representative and an intern at Pendennis Shipyard has earned me a job at the highly respected Laurent Giles Superyacht Architecture where I now shares responsibility in the busy companies' projects acting as a competent Naval Architect and Designer.

Outstanding Junior Marine Engineer Officer 2021 on the Systems Engineering & Management Course at HMS Sultan

SLt Clare Mawson, RN

No bio or photo available.

Best Lecture 2020/2021

'Second Generation Intact Stability Criteria' by Andy King

The Second Generation Intact Stability Criteria are a newly developed approach for understanding the dynamic stability characteristics of a ship. They consider five failure modes; parametric rolling, pure loss of stability, excessive acceleration, surf-riding/broaching and the dead ship condition. The criteria were finalised in early 2020 at the IMO and they include a tiered approach of increasing complexity.

Andy King is a Lead Naval Architect working for Lloyd's Register in Southampton in the United Kingdom. Andy graduated from Newcastle University in 2007 and has previously worked for QinetiQ and Global Maritime. He currently manages the Stability, Load Line and Tonnage team for the UK and Ireland region which looks after these aspects of statutory plan appraisal. Andy currently works with a variety of ship types and regularly engages with Flags, designers, consultants and yards.

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CONFUCIUS



Lewis Brown



Andy King

Long Service Members

This year we have ten members who have served over 45 years as either members of RINA or IMarEST or both.

Peter Sheppard IEng IMarEng MIMarEST

Upon leaving school I joined the Merchant Navy as an engineering cadet. The period of apprenticeship was four years. I was sponsored by a shipping company called Furness Withy & Co Ltd. The fleet comprised a mixture of steam and motor ships trading world wide but predominantly to the continents of North and South America as well as the Caribbean.



From the Merchant Navy I entered the commercial world of sales and marketing of marine equipment to the shipping and shipbuilding industry on behalf of a Scandinavian employer. This eventually led me to being recruited by Alfa Laval Marine and Power division in the UK which resulted in an extensive career lasting twenty-six years.

In the 1980s I was appointed Regional Manager China and Taiwan which meant a relocation together with family to Hon Kong where the objective was to develop the market and train up the local staff to eventually takeover. 1990 saw my return to the UK to become Divisional Director Marine and Power.

The next chapter in my career was another re-location, this time to the Middle East and to Dubai in the UAE. This posting was as a Regional Manager, for Marine, Power, and Industrial products across eighteen countries comprising Pakistan in the East, to Libya in the West, Cyprus in the North and Sudan and Yemen in the South. This period however saw me building a new organisation and repair workshop which I believe still thrives today.

After ten years in this appointment, it was time to retire and I returned to the UK. I now live in Hampshire with my wife, not too far from the sea. To maintain my interest in ships and the sea I am a maintenance volunteer, and a member of the sailing crew, on the SS-SHIELDHALL, owned by the Solent Steam Packet Ltd which is berthed in Southampton Docks.

"The only
source of
knowledge is
experience"

ALBERT EINSTEIN

Long Service Members cont.

Andrew Bunney FRINA

After graduating in 1978 with a degree in Naval Architecture and Shipbuilding, Andrew joined Vosper Thornycroft UK Ltd as a graduate trainee. The structured graduate training scheme provided excellent basic training in various shipyard skills and was an important introduction to safety in the shipyard.



Andrew's first position of responsibility was as an assistant manager on the construction of HMS Brocklesby, a Hunt Class Mine Counter Measures Vessel. Working on the project from planning stage to handover provided Andrew with valuable experience. During the years which followed, Andrew undertook a variety of jobs at Vosper Thornycroft in project management, production and technical departments with increasing levels of seniority and responsibility. This experience resulted in Andrew being elected as a Fellow of RINA in October 1993.

In 2000, Andrew was appointed as Managing Director, Shipbuilding at VT Group. This was a particularly significant period for the company as the future of the business was dependent on securing a major share of the work on the Type 45 Destroyer programme and subsequently the Queen Elizabeth Carrier programme. In parallel, it was determined that the shipbuilding business should move to new facilities and Andrew was responsible for transferring the entire shipbuilding business from its historic base in Southampton to new facilities within Portsmouth Naval Base.

In 2004, Andrew joined Abu Dhabi Ship Building (ADSB) in the United Arab Emirates. During a seven year period at ADSB, he was responsible for managing both shipyard operations and a number of high value naval ship construction projects.

Andrew retired from full-time work in 2012 and he now works part time as a consultant in the marine industry. In 2010, Andrew joined the Professional Affairs Committee of RINA. He currently chairs the committee which has a remit for promoting and maintaining professional standards on behalf of RINA.

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ALBERT EINSTEIN

Long Service Members cont.

Antony Gray MRINA

I started my career in 1969 with a Shipwright apprenticeship at the Royal Naval Dockyard Chatham. Having gained my HNC and Endorsements in Naval Architecture and after a short spell as a Technical Officer, I took a position as Ship Designer (Naval Projects) at Brooke Marine Ltd.



However, as British shipbuilding reached a low ebb in the late 70s, I transferred my skills to the power generation industry for a few years. The increase in offshore activity in the early 80s presented to opportunity to move back in to the marine industry and I joined Det Norske Veritas (DNV) in 1982 as a Ship and Engineer Surveyor, where my most interesting assignment was the new-build survey of 2 hovercraft on the I.O.W intended for operation between Malmo and Copenhagen. In this period I obtained an MSc from Cranfield and Chartered status.

Following posts as Chief Engineer with an insurance company and my own quality consultancy, I re-joined DNV in 1995 where I managed their certification business (quality, safety and environment) and ended up as a Senior Principal Surveyor and Country Manager. Following a reorganisation in 2005 I moved on and, until my retirement earlier in 2021, I have been a contract Quality/Safety Lead on various offshore oil and gas projects. I now volunteer at Boathouse 4, Portsmouth Historical Dockyard where I am back on my tools helping preserving historic small craft collection;

<https://www.pnbpropertytrust.org/the-collection/25/>

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ALBERT EINSTEIN

Long Service Members cont.

Robert Mulligan MRINA

Bob worked for over 40 years in the field of naval ship design and construction establishing an international reputation for his work in an extensive range of ship designs. His naval career started with the Ministry of Defence in 1973 with an MSc in Naval Architecture from University College London. He worked for 17 years on a variety of assignments, gaining experience in submarine design and refits, new build fleet auxiliaries and future Royal Naval Programmes. During a deployment to Carderock R&D Centre in Washington DC he developed a computer-aided design tool for Small Waterplane Area Twin Hull forms (SWATH).



In 1990 he joined Vosper Thornycroft (VT) for 13 years, initially as Technical Director where he directed a large team of designers and drawing office staff to provide challenging solutions to satisfy RN and overseas navy requirements. In 1997 he was appointed Shipbuilding Director responsible for all design, procurement and shipbuilding activities for minehunters, OPVs and a trimaran. In 2001 he was appointed Engineering Director to lead the VT team working jointly with BAE Systems to design and build T45 destroyers for the RN.

Bob joined Thales in 2003 as Platform Director on the Aircraft Carrier project. He was then appointed to lead the team transferring technical information in support of the UK/FR Aircraft Carrier Cooperation. He later provided professional engineering and ship design direction to Thales Naval Operations in the UK and overseas.

He joined Vancouver Shipyards (VSY) in February 2012 following VSY award of a National Shipbuilding Procurement Strategy contract for non-combat science vessels/Joint Support Ships. Responsibilities included hiring engineers and directing the development of affordable ship designs. Bob completed his assignment at VSY and left at the end of 2013. He later undertook consultancy work on a variety of naval projects.

Much of his time is now devoted to family support, DIY projects around his home, hiking and the gym.

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ALBERT EINSTEIN

Long Service Members cont.

Robert Hughes CEng CMarEng FIMarEST

I started my working life in 1961 serving a full 5 year apprenticeship in shipbuilding and marine engineering, whilst attending day release classes at the local colleges for further and higher education. Upon completion of my training my skills were put to use for a couple of years until I moved into training, initially having responsibility for craft and technician apprentices and then for the graduate recruitment and training for the company. In 1976 I graduated with the degree of B Sc in mechanical engineering.

In 1980 I moved into further education and latterly higher education teaching the subjects of mathematics and applied mechanics, finishing up as a senior lecturer at Warsash Maritime Academy. I retired from Warsash in 2009 but still worked for a few years in a part time capacity writing the seconds and then chiefs examinations in applied mechanics.

Eur Ing Alastair Hunter FRINA

No bio or photo available.

Anthony Bowman FRINA

No bio or photo available.

Charles Rossiter MRINA

No bio or photo available.

Clive Robinson FRINA

No bio or photo available.

Richard Roberts MRINA

No bio or photo available.

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ALBERT EINSTEIN

AGM

The AGM will take place on the 09 February and you will receive an invitation soon via email to register. At the AGM we will be electing new Council Members (we have two vacancies) and if any of you are interested in standing for election then please contact the Honorary Secretary at

honsec@southernjointbranch.co.uk

Technical events

Upcoming lectures

- Titanic and Regulatory Evolution - 6th January 2022
- MCA Counter Pollution - 9th February 2022
- Suiso Frontier - The World's First Liquified Hydrogen Carrier - 9th March 2022

Join our LinkedIn group to get the latest news about our lectures and other events. You will also receive an email from either RINA or IMarEST inviting you to register for lectures and social events.



"Scientists
study the
world as it is;
engineers
create the
world that
has never
been"

THEODORE VON
KARMEN

Social Events

The President's Drinks Reception took place in October and was the first in-person event held since March 2020. Southern Joint Branch Members from across the region joined us for drinks and Cuban tapas at Revolucion de Cuba in Southampton and made the most of the opportunity to chat to people they hadn't seen since before the pandemic started. We would like to thank everyone who attended for taking the plunge as well as complying with our COVID protocols with good humour.



We currently looking at whether it will be possible to hold the annual dinner this year so watch this space.

Stay Connected

To receive updates about branch events and news, follow us on EventBrite (search for RINA & IMarEST Southern Joint Branch) and join our LinkedIn group (Southern Joint Branch of RINA & IMarEST). Subscribe to our YouTube channel to receive the latest recordings of lectures. You can also find information at our website;

www.southernjointbranch.co.uk

"The engineer
has been, and
is, a maker of
history"

JAMES KIP FINCH

