

# Publications and Services 2021

.....  
[www.nautinst.org](http://www.nautinst.org)

**PRICES HELD**  
**NO PRICE RISES FOR 2021**





# A-Z of subjects and publications

The Admiralty Manual of Navigation Vol 1: The Principles of Navigation .....	4	Human Performance and Limitation for Mariners .....	5	A Nautical Odyssey A History of The Nautical Institute .....	12
The Admiralty Manual of Navigation Vol 2: Astro Navigation .....	4	Ice Navigator Scheme.....	12	The Naval Handbook for Sailmakers.....	10
The Admiralty Manual of Seamanship.....	9	Improving Performance through the Human Element .....	13	The Naval Handbook for Ship Firefighters	10
Alert! .....	6	Improving Ship Operational Design.....	11	The Naval Handbook for Survivors .....	10
Bridge Team Management .....	5	Integrated Bridge Systems Vol 1 Radar and AIS.....	4	Navigation Accidents and their Causes.....	6
Bridge Watchkeeping .....	5	Integrated Bridge Systems Vol 2 ECDIS and Positioning .....	4	Navigation Assessments – A guide to best practice.....	5
Bulk Carrier Practice .....	9	The International Sail Endorsement Scheme	13	Navigation Assessor.....	13
Casualty Management Guidelines.....	6	Launch and Recovery of Boats from Ships.	9	Numerical Weather Prediction – A practical guide for mariners .....	11
The Nautical Institute on <i>Command</i> .....	7	Leadership Throughout.....	6	Onboard Assessment for Optimising Performance .....	13
The Nautical Institute's Command Scheme ..	13	Managing Collision Avoidance at Sea .....	12	Polar Ship Operations – a practical guide...	10
DP Operator's Handbook.....	10	Managing Traumatic Stress: Guidance for Maritime Organisations .....	6	The Nautical Institute's Recognition Scheme.....	12
The Nautical Institute DP Operator Training Scheme .....	12	Marine Incident Investigation and Analysis ..	13	Self study schemes.....	13
Driving Lifeboats and Rescue Boats.....	9	Maritime Security handbook: Coping with Piracy .....	7	Shiphandling Logbook .....	5
The Expert Witness .....	11	Maritime Security handbook: Stowaways by Sea and Rescue of Migrants.....	8	The Shipmaster's Business Self-Examiner....	8
From Paper Charts to ECDIS – A practical voyage plan.....	11	Maritime Security: A practical guide .....	7	The Shipping Industry and Marine Spatial Planning: a professional approach.....	11
A Guide to Bulk Carrier Operations .....	9	Mentoring at Sea .....	5	Short courses .....	12
Guidelines for Collecting Maritime Evidence Vol 1 .....	7	Mooring and Anchoring Ships Vol 1 Principles and Practice .....	8	A Simulation Instructor's Handbook .....	11
Guidelines for Collecting Maritime Evidence Vol 2 .....	7	Mooring and Anchoring Ships Vol 2 Inspection and Maintenance .....	8	Stability, Trim and Strength for Merchant Ships and Fishing Vessels .....	9
Handling Ships in First-Year Ice.....	11			Tug Use Offshore, in Bays and Rivers.....	8
The Harbour Master Scheme .....	13			The Use of Visual Aids to Navigation Second edition.....	4
Hatch Cover Inspections.....	11			The Work of the Harbour Master.....	9



# Tools to build best practice

**Bridget Hogan, Director, Publishing and Membership**

As an independent professional membership organisation, we promote safer and more effective shipping practises worldwide. We achieve this through a range of products and services developed for our members and the wider industry.

Our publications outline best practice and are recognised as industry and navy standards. Our members, our committees and peer review processes contribute to ensuring that our publications are current. They reflect The Nautical Institute's aims and areas of work – as driven by our Strategic Plan. You can be sure that you are getting the best quality help from us to advance your professional and career development.

All of The Nautical Institute's projects are devoted to improving industry wide standards, promoting safety and professional development. Our free resources are a good example of this. They are there for everyone to use and pass on, so that best practice can be spread as widely as possible.

## Support for you:

- Have you ever experienced an accident or near-miss? Tell us in confidence and contribute to our Mariners' Alerting and Reporting Scheme (MARS, page 15)
- *The Navigator*, our free magazine, champions the role of today's professional marine navigators. Find out how to get a copy for your ship or training institute on page
- Join us and upgrade your future. See all membership benefits on page 16
- Thanks to our Nautical Affiliates who sponsor MARS and keep it free for all in the industry to benefit from. For details on how you can help with this vital resource <https://www.nautinst.org/en/membership/for-organisations/index.cfm>

- Members are entitled to a 30% discount on all NI books, so have your login details to hand.
- Bulk or fleet orders, booksellers and training institutions are also eligible for discounts.

- Please contact [pubs.admin@nautinst.org](mailto:pubs.admin@nautinst.org) for any publication and services enquiries.
- Promote your institute! There is a range of high quality merchandise available for you. See a selection of the range on page 14.

- Details of all our publications and ways to pay are on our website. If there are any publications and services you require and cannot find within this list, please email us at: [pubs.admin@nautinst.org](mailto:pubs.admin@nautinst.org)

- Green Award and IMEC members all get a 10% discount on all Nautical Institute publications.

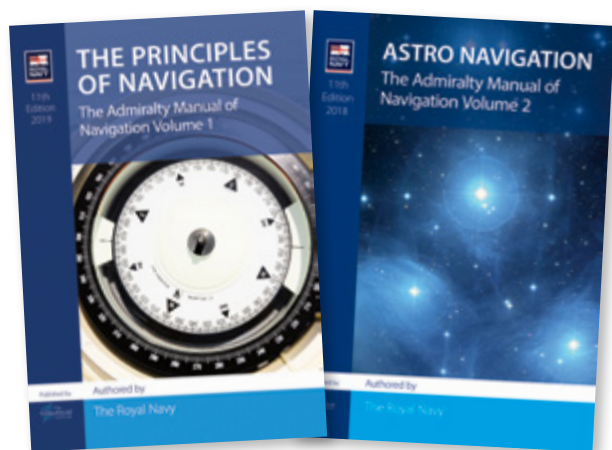
**PRICES HELD**  
**NO PRICE RISES FOR 2021**



order online: [www.nautinst.org/shop](http://www.nautinst.org/shop)



# NAVIGATION



## The Admiralty Manual of Navigation Vol 1: The Principles of Navigation Eleventh edition

**Alastair Harris MScBA (Hons)**

This comprehensive reference lays the foundation for safe and effective navigation at sea, including ocean and coastal passages, pilotage and anchoring. The fundamental principles of navigation developed over centuries of experience in the Royal Navy have been applied to the ECDIS era so that this new edition is 'digital by default'. The manual also contains essential guidance on techniques for navigating with traditional paper charts and for the operation of ships when GPS is not available.

Published: **2019** Price: **£150** Member's price: **£105**  
ISBN: **978 1 906915 64 3** Ref: **0382**

## The Admiralty Manual of Navigation Vol 2: Astro Navigation Eleventh edition

**Alastair Harris MScBA (Hons)**

Satellite technology enables almost every mariner to use electronic nav aids to fix their position on the oceans. However, electronic systems can be disrupted by errors in a satellite or its ground control systems, defects in shipboard equipment or interference with satellite signals. The celestial chart therefore remains the most reliable tool for mariners navigating out of sight of land.

This new edition of the classic guide to celestial navigation has been redesigned for clarity and contains guidance on using UKHO/ Nautical Almanac Office's NavPac v4 software for astro navigation, including full-colour screenshots. With NavPac, a modicum of skill with a sextant and the appropriate chapter from the book, anyone can do astro.

Published: **2018** Price: **£150** Member's price: **£105**  
ISBN: **978 1 906915 58 2** Ref: **0377**

**Buy both together for just £275**

ISBN: **978 1 906915 65 0** Ref: **0383**



## The Use of Visual Aids to Navigation Second edition

**Commodore David Squire CBE FNI FCMI**

The advance of technology has changed the development of, and reliance on, visual aids to navigation but they continue to be vital tools for mariners to assess and verify their position. They

provide situational awareness and orientation, indicate current flow and afford redundancy for electronic systems. They also highlight individual dangers such as wrecks, rocks and shoals. The book updates an original report issued in 2003 and includes evidence compiled during the original consultation and as part of the updating.

Published: **2013** Price: **£35** Member's price: **£24.50**  
ISBN: **978 1 906915 29 2** Ref: **0334**

## Integrated Bridge Systems Vol 1 Radar and AIS

**Dr A Norris FNI**

From 2008 all new radars were required to display AIS information, and this book looks at the implications of integrating these functions. It explains how radar and AIS systems can be better integrated with overlay and underlay displays, to assist with decision-making on board. The author draws on experience as a leading designer and industry chairman in the international arena.

Published: **2008** Price: **£60** Member's price: **£42**  
ISBN: **978 1 870077 95 8** Ref: **0307**

## Integrated Bridge Systems Vol 2 ECDIS and Positioning

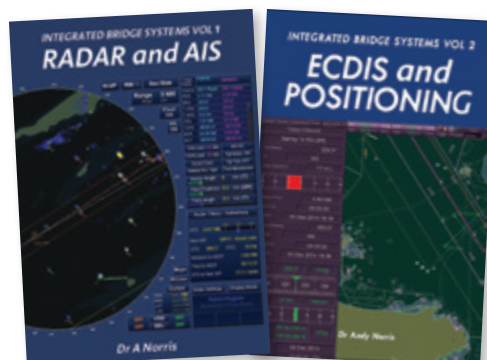
**Dr A Norris FNI**

If you have little or no knowledge of electronic charts, this is a must-read. If you have some knowledge, this book will improve your understanding and approach to the use of electronic charts. If you have a good knowledge, the book's approach will make you think a little harder as to how ECDIS can improve standards of navigation. Written especially for mariners, this is guidance on how to develop the new mindset needed to use ECDIS safely and effectively. Over 100 full colour illustrations.

Published: **2010** Price: **£60** Member's price: **£42**  
ISBN: **978 1 906915 11 7** Ref: **0321**

**Buy the two together for just £100**

ISBN: **978 1 906915 12 4** Ref: **0322**



## BRIDGE MANAGEMENT



### Bridge Team Management Second edition

**Captain A J Swift FNI and T J Bailey FNI**

This industry standard for passage planning reinforces the message that effective planning, good leadership, teamwork and sound navigational practice will ensure a safe and timely arrival in port.

The book offers solid practical guidance on navigating in coastal and estuarial waters. Proper emphasis is placed on the importance of clear communication and on creating a supportive professional relationship between the bridge team and the pilot.

Published: **2004** Price: **£70** Member's price: **£49**  
ISBN: **978 1 870077 66 8** Ref: **0091**



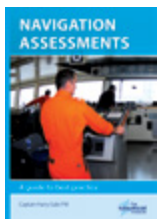
### Bridge Watchkeeping Second edition

**Various authors**

A practical self-study guide used by various companies throughout the industry for training bridge watchkeepers and enhancing understanding of the reasons for checking,

monitoring, recording and controlling. This book

examines preparing for sea, watchkeeping in pilotage waters, watchkeeping in coastal waters, making a landfall, anchoring and anchor watches, watchkeeping in reduced visibility, taking over the watch, calling the Master and responding to emergencies.



### Navigation Assessments A guide to best practice

**Captain Harry Gale FNI**

Many maritime incidents could have been prevented by the use of a navigation assessment, which, through careful observation, evaluates how the navigation of a ship is being conducted.

An effective assessment should take place over several days and provide practical feedback to the bridge team as well as guidance to shore-based management.

This handbook provides a step-by-step guide that will enable the assessor to carry out a fair, objective and positive assessment that properly takes into account human element issues. Case studies of maritime accidents and incidents provide valuable learning points.

The book is also intended to help mariners understand the assessment process. If it is properly conducted, an assessment will provide insights that contribute to navigators' continuing professional development.

Published: **2016** Price: **£55** Member's price: **£38.50**  
ISBN: **978 1 906915 51 3** Ref: **0366**



### Shiphandling Logbook

This logbook allows mariners to record and reflect on the shiphandling manoeuvres they carry out, either on board ship or on simulators. For each activity, the mariner risk-assesses and describes the manoeuvre, noting details such as wind and current, pivot point, propulsion and rudder. These details build over time into a comprehensive

resource that highlights progress, learning points and gaps in experience that need to be filled. For the aspiring mariner, it also acts as valuable proof of professional development to senior officers, company, flag state and insurers. The logbook can be used by mariners at all levels working aboard ships in any trade.

Published: **2018** Price: **£40** Member's price: **£28**  
ISBN: **978 1 906915 63 6** Ref: **0381**

## THE HUMAN ELEMENT



### Mentoring at Sea

The 10 minute challenge

**Captain André L Le Goubin MA FNI**

Anyone can be a mentor at sea and anyone can benefit from mentoring – and it only takes 10 minutes to get started. This book explains how knowledge gained through experience, and then

reflected upon, can be passed on in an informal but purposeful way. Every suggestion will take no more than 10 minutes to carry out but incorporating opportunities for mentoring into the daily onboard routine will widen and consolidate the on-the-job experience of those progressing through the ranks. It will also improve communications and enhance team-building, which should lead to a reduction in accidents and incidents. This practical guide sets the 10 minute challenge for potential mentors and candidates to identify concerns and practical solutions.

Published: **2012** Price: **£60** Member's price: **£42**  
ISBN: **978 1 906915 48 3** Ref: **0346**



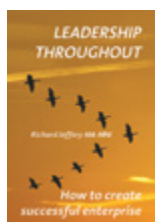
### Human Performance and Limitation for Mariners

**Various authors**

A system of examinations for aviation pilots in human performance and limitation has produced great advances in safety for that sector. This book introduces the concept to seafarers so that they can understand their own limitations and make the best

use of their physical and mental abilities in the challenging shipboard environment. This book looks at the realities of living and working on board and explains how recognising human limitations can improve performance, safety and job satisfaction.

Published: **2015** Price: **£60** Member's price: **£42**  
ISBN: **978 1 906915 34 6** Ref: **0362**



## Leadership Throughout

**R Jeffery MNI**

This practical guide looks at leadership in modern multicultural organisations with direct relevance to seafaring. Leadership is examined through five incremental steps: encourage awareness, provide direction, share information, create a positive atmosphere and coordinate action. This approach can successfully enhance the leadership skills of individuals, promote enterprise in small organisations, improve operational performance on board and considerably motivate those in large corporations.

Published: **2007** Price: **£45** Member's price: **£31.50**  
ISBN: **978 1 870077 85 9** Ref: **0300**



## Managing Traumatic Stress Guidance for Maritime Organisations

**Professor Neil Greenberg**

Produced in partnership with Human Rights at Sea and psychological health consultancy March on Stress, this booklet provides top-level guidance for senior management to help

improve the mental health of seafarers. It will be of particular value to ship managers/operators, HR departments and all involved with seafarers' welfare around the world.

Untreated post-traumatic stress disorder can lead to poor decision-making and may have legal and financial consequences for a maritime organisation. This concise guidance, which stresses the importance of early detection and prevention of mental health issues at sea, is essential reading for all responsible maritime organisations in supporting their most important asset – their people.

Published: **2016** Download for **FREE** from The Nautical Institute's website ISBN: **978 1 906915 36 0** Ref: **0365**

## Alert!

**D Squire CBE FNI FIMgt (ed)**

The Nautical Institute's *Alert!* project, supported by the Lloyd's Register Foundation, aims to improve awareness of the human element in the maritime industry. Forty issues of the quarterly *Alert!* maritime human element bulletin were produced, winning numerous industry plaudits.

Alert! Bulletins 1-12  
Published: **2007** Price: **£40** Member's price: **£28**  
Ref: **0295** ISBN: **978 1 870077 77 4**

Alert! Bulletins 13-21  
Published: **2009** Price: **£40** Member's price: **£28**  
Ref: **0319** ISBN: **978 1 906915 09 4**



## Casualty Management Guidelines

**The Nautical Institute in association with the International Salvage Union**



Casualties are not straightforward and mariners who find themselves involved in them rarely have previous experience. These comprehensive practical guidelines will help seafarers during a casualty when demands can be confusing, contradictory, unclear or a combination of all three. Masters and crew members are told what to expect from people or organisations that might be involved as the casualty unfolds. Chapters are set out in broadly chronological order of how Masters should expect to deal with different people, from owners to government officials, insurance representatives and salvage experts. It gives all involved an idea of the job each may be undertaking, together with their priorities and responsibilities.

Published: **2012** Price: **£55** Member's price: **£38.50**  
ISBN: **978 1 906915 39 1** Ref: **0336**



## Navigation Accidents and their Causes

**Various authors**

*Navigation Accidents and their Causes* looks at major casualties to illustrate the lessons that can be learned from them and sets out practical ways for those on the bridge to consider risks, plan for them and then take action to avoid them.

The authors, drawn from accident investigators, Masters, navigation specialists, pilots and university lecturers from all over the world, detail the need for risk assessment in advance of a voyage, including bridge resource management and passage planning. Situational awareness is highlighted throughout.

Each chapter can be read individually, forming a valuable onboard resource. The overall message is that everyone can learn from the mistakes of others and everyone has a part to play in ensuring that training and experience are used effectively to keep vessels safe.

IMO Secretary-General Mr Koji Sekimizu said: "This timely publication from The Nautical Institute should provide a crucial guide for every mariner serving at sea and serve to assist in reducing collisions and groundings."

Published: **2015** Price: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 32 2** Ref: **0361**

**Buy the two together for just £105**

ISBN: **978 1 906915 50 6** Ref: **0363**



## Guidelines for Collecting Maritime Evidence volume 1 Fourth edition

### Various authors

*Guidelines for Collecting Maritime Evidence* aims to provide broad answers to two questions. First, how should a Master react after an incident when several investigating bodies are knocking on the door, all with differing requirements and priorities. Second, how can the Master, crew and management ashore be ready to produce the evidence required, much of which demonstrates day-to-day operations and compliance with the ISM Code and applicable statutes.

This book provides practical guidance on the range of individuals and organisations looking for evidence, what they need and how it will be used. A state safety investigator, Master, insurers, surveyor, lawyer and arbitrator each describe evidence collection from their own point of view.

The benefits and challenges of electronically obtained evidence are discussed, as is the need to protect evidence from disclosure in case of future dispute or litigation.

Book published: **2017** Price: **£55** Member's price: **£38.50**  
ISBN: **978 1 906915 54 4** Product Code: **0390**

## Guidelines for Collecting Maritime Evidence volume 2

### Various authors

This second volume in the Collecting Maritime Evidence series focuses on electronic evidence – what it is, how to preserve and collect it, and how it can be used to understand the circumstances that led to a maritime incident.

While not completely replacing traditional records, data from ECDIS, VDR and AIS are vital resources for the investigator. Admiralty Judge Mr Justice Teare points out that the great benefit of such evidence is that “electronic or digital records cannot lie or have a faulty or imperfect recollection. They will be the best evidence of what happened.”

The book's contributors are drawn from a wide range of disciplines. Here they also discuss the roles of the average adjuster and the mariner lawyer, cover evidence collection from the P&I perspective and that of the naval architect, and consider subjects as diverse as fire, deterioration of agricultural cargoes, machinery failure and surveying.

Book published: **2019** Price: **£55** Member's price: **£38.50**  
ISBN: **978 1 906915 70 4** Product Code: **0388**



**Buy both together for just £100**

Price: **£100** Member's price: **£70**  
Product Code: **0389** ISBN: **978 1 906915 73 5**



## The Nautical Institute on Command Third edition

### Various authors

*The Nautical Institute on Command* is the Institute's flagship publication and distils the best advice available for aspiring officers, new Masters and experienced Masters.

It aims to promote reflection on aspects of the job that they may not have yet experienced. Commanding a ship requires all the skills and knowledge, professional and technical, gained up to the point of taking up command, plus soft skills.

The book's expert authors cover these in short practical articles that will guide the transition from chief officer to Master and also serve as reference for years to come. The book leads readers through the basics of command, looking at legislation and how it affects the day job and relationships with the various stakeholders. The focus on day-to-day management includes operations and personnel management.

Published: **2015** Price: **£65** Member's price: **£45**  
ISBN: **978 1 906915 21 6** Ref: **0357**

## SECURITY

## Maritime Security: A practical guide Second edition

**Steven Jones MA MSc BSc (Hons) MNI FRSA**

Masters, company and ship security officers have a pivotal role in making vessels secure. This book is aimed at those responsible for vessel crews, cargoes and the ships themselves. It will help in the development of the ship security plan and explain how to make a vessel truly secure. The principles underpinning maritime security are explained and guidance given on putting them into practice, to ensure compliance with legislation.

Published: **2012** Price: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 45 2** Ref: **0341**

## Maritime Security handbook: Coping with Piracy

**Steven Jones MA MSc BSc (Hons) MNI FRSA**

The first handbook in The Nautical Institute's maritime security suite complements the author's 2012 book *Maritime Security: a practical guide*. It takes the same practical approach to preparation and training before entering a high risk area, self-protection measures while within it and survival strategies if taken hostage. The book includes guidance on the effective implementation of the industry's Best Management Practices, the onboard implications of taking on armed guards, building a disciplined and supportive onboard team and ensuring immediate action ashore should the worst happen.

Published: **2013** Price: **£45** Member's price: **£31.50**  
ISBN: **978 1 906915 46 9** Ref: **0342**

**Buy with Maritime Security for just £95**

ISBN: **978 1 906915 41 4** Ref: **0349**

## Maritime Security handbook: Stowaways by Sea and Rescue of Migrants Second edition

Steven Jones MA MSc BSc (Hons) MNI FRSA

Stowaways are an age-old problem for shipping, but the threats they pose and the potential costs and other consequences have increased significantly in recent years.

This practical guide in The Nautical Institute's Maritime Security Suite covers the security basics of preventing illegal boarding, along with safe ways of apprehending, searching, recording, reporting and accommodating stowaways found on board. Case studies explain migrant smugglers' tactics and highlight lessons to be learned from recent stowaway incidents.

Rescue of migrants has developed into a major challenge for shipping, especially in the Mediterranean, so this section has been enlarged and updated for this second edition.

Published: **2020** Price: **£45** Member's price: **£31.50**  
ISBN: **978 1 906915 69 8** Ref: **0393**

**Buy with Maritime Security for just £95**

ISBN: **978 1 906915 81 0** Ref: **0394**



**Buy these three books together for just £130**

ISBN: **978 1 906915 80 3** Ref: **0395**

## STUDY AIDS



### The Shipmaster's Business Self-Examiner

Tenth edition

Malcolm MacLachlan FNI

Designed primarily as a study aid for Master's Orals, the book is also used by OOW and Chief Mate students and has drawn the praises of many successful Orals candidates in the UK and overseas. It is also a handy reference for serving Shipmasters, shore superintendents, ship operators and all who need to keep up to date with the frequent changes in merchant ship regulation and commercial practice. More than 4,200 questions and answers are set out in nine logically arranged sections.

Published: **2016** Price: **£80** Member's price: **£56**  
ISBN: **978 1 906915 35 3** Ref: **0364**

## PORT OPERATIONS

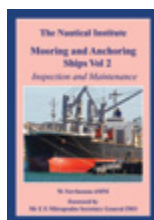


### Mooring and Anchoring Ships Vol 1 Principles and Practice

I C Clark MSc FNI

This well-researched book sets out to explain the principles involved when ships use lines and anchors to hold them in place. The particular value of this book lies in the illustrations and the seamanlike text, which is based on theoretical principles but explained in a practical way. The foreword is written by the former Secretary General of the IMO, Efthimios Mitropoulos, and the book is supported by the major international associations concerned with ship operations.

Published: **2009** Price: **£120** Member's price: **£84**  
ISBN: **978 1 870077 93 4** Ref: **0305**



### Mooring and Anchoring Ships Vol 2 Inspection and Maintenance

W Vervloesem FNI

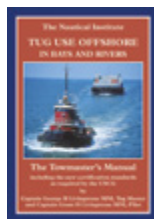
This is the most comprehensive survey into mooring equipment yet undertaken and the results are essential information for surveyors, inspectors and ship operators concerned with proper use and maintenance. The book demonstrates, with the use of photographs, appropriate and inappropriate use of mooring equipment. The author draws on his picture library from over 1,000 ship visits to show how lack of awareness and knowledge can lead to unsafe practices. Different components of mooring systems are described and the consequences of correct and incorrect use shown.

Published: **2009** Price: **£120** Member's price: **£84**  
ISBN: **978 1 870077 94 1** Ref: **0306**

**The two volumes complete a major study into the subject of mooring and anchoring which has been supported by the International Chamber of Shipping.**

**Buy the two together for just £205**

ISBN: **978 1 906915 03 2** Ref: **0317**



### Tug Use Offshore, in Bays and Rivers

Captain George H Livingstone FNI and Captain Grant H Livingstone MNI

This book sets out the practices which are used to handle tug barge systems in port and at sea. The main focus concerns operations on the west coast of the USA and Canada. However, the hard lessons learnt there will transfer into other areas around the world, making this book a valuable source of reference for tug operators generally. It is used as a text book for US Coast Guard qualifications.

Published: **2006** Price: **£80** Member's price: **£56**  
ISBN: **978 1 870077 74 3** Ref: **0290**





## The Work of the Harbour Master

Third edition

**The Nautical Institute in co-operation with the International Harbour Masters' Association**

The book is linked to the Institute's self-study scheme leading to a Harbour Master's

Certificate. It explains how responsibilities vary between ports and, based on the experience of Harbour Masters from different types of ports all over the world, gives examples of what new entrants to the industry may encounter. Different aspects of the role are examined, largely following the course of a vessel as it approaches port until it berths, including the commercial pressures that may be brought to bear. It is an ideal bridging course for those thinking of a career move ashore.

Published: **2012** Price: **£60** Member's price: **£42**  
ISBN: **978 1 906915 02 5** Ref: **0332**



## A Guide to Bulk Carrier Operations

Various authors

Bulk carriers and their crews are subject to significant risks from cargoes that can catch fire, explode, corrode holds or simply deteriorate. This highly practical guide draws on the expertise of over 20 contributing authors, taking the reader

through the essentials for a safe and successful voyage, from preparation and loading, to care of cargo and ship at sea, and arrival and discharge.

Subjects covered include strength and stability, hatch cover care, enclosed spaces, charterparties, legislation, draught surveys, deballasting, monitoring hazardous cargoes, spontaneous combustion, fumigation, coal fires, liquefaction and oxygen-depletion, safe mooring and access, ship-shore communication and ship/shore damage.

Published: **2020** Price: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 77 3** Ref: **0397**



## Bulk Carrier Practice

Second edition

**Captain Jack Isbester ExC FNI MCMS**

This fully updated second edition is aimed at enhancing the safety and efficiency of bulk carriers and their crews. Robert Lorenz-Meyer, President and Chairman BIMCO, said in the foreword:

"Anyone in the bulk carrier industry will benefit from reading *Bulk Carrier Practice*. It deserves to be on the bookshelf on the bridge of all bulk carriers, and in the offices of all bulk carrier operators."

Published: **2010** Price: **£180** Member's price: **£126**  
ISBN: **978 1 906915 10 0** Ref: **0320**



## The Admiralty Manual of Seamanship

Twelfth edition

**Vic Vance**

This collaboration between the Royal Navy and The Nautical Institute contains a wealth of experience. The fundamental principles of good seamanship are unchanging, whatever technology is introduced.

The book is relevant to merchant and naval training schools and those in pursuit of STCW qualifications. It is closely aligned with the UK's Maritime and Coastguard Agency (MCA) examination syllabuses and is used by the MCA as a standard reference.

Published: **2015** Price: **£150** Member's price: **£105**  
ISBN: **978 1 906915 49 0** Ref: **0356**



## Launch and Recovery of Boats from Ships

**Dag Pike FRIN FIMarEST AFNI FRMetS**

Launching, operating and recovering small boats are activities outside the expertise of most crew and can require considerable skill and seamanship. For safety reasons, a practice drill is unlikely to provide a realistic simulation of an emergency situation.

This book demonstrates good practice when carrying out these operations and explains the techniques and systems that can improve manoeuvres.

Published: **2018** Price: **£35** Member's price: **£24.50**  
ISBN: **978 1 906915 22 3** Ref: **0376**



## Driving Lifeboats and Rescue Boats

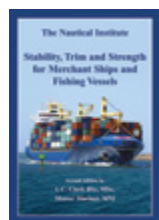
**Dag Pike FRIN FIMarEST AFNI FRMetS**

Taking to the boats, getting away from a stricken vessel and safely negotiating the open sea until rescued is one of the most demanding tasks a seafarer may have to face. This book provides potentially lifesaving insights into the realities of handling a lifeboat, MOB boat or fast rescue boat in all conditions.

Published: **2019** Price: **£35** Member's price: **£24.50**  
ISBN: **978 1 906915 66 7** Ref: **0384**

**Buy the two together for just £60**

ISBN: **978 1 906915 72 8** Ref: **0387**



## Stability, Trim and Strength for Merchant Ships and Fishing Vessels

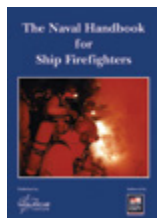
Second edition

**I C Clark MSc FNI Master Mariner**

This book is a major reference work and a useful source of reference for sea staff and fleet managers who need a deeper understanding of stability and strength to meet operational and survey requirements than is taught for certificates of competency. Its interdisciplinary character makes it a standard for student naval architects and ship design engineers.

Published: **2008** Price: **£110** Member's price: **£77**  
ISBN: **978 1 870077 87 3** Ref: **0267**

## NAVAL HANDBOOKS



### The Naval Handbook for Ship Firefighters

Eighth edition

Fire at sea is one of the most dangerous hazards. This handbook complements training given to naval firefighters, covering safety, correct principles and use of equipment, types of fire and emergency response. The last chapter, contributed by The Nautical Institute and written by F G M Evans FNI GFire E, examines the hazards on commercial vessels, particularly cargo fires. The handbook provides a refresher for drills and exercises and is a valuable guide for training.

Published: **2006** Price: **£40** Member's price: **£28**  
ISBN: **978 1 870077 72 9** Ref: **0293**

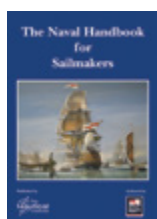


### The Naval Handbook for Survivors

Third edition

Abandoning ship is a team effort and this classic handbook is designed to complement the training given to naval personnel for the 25-person liferaft. It covers evacuation, inflation, equipment, communications, search and rescue, survival techniques, what to do when landing in remote areas, how to collect water and avoid heat stroke or hypothermia. This book is issued to all Royal Navy seagoing personnel and has been made available to The Nautical Institute so that all can benefit from the naval experience.

Published: **2007** Price: **£40** Member's price: **£28**  
ISBN: **978 1 870077 79 8** Ref: **0296**



### The Naval Handbook for Sailmakers

Third edition

Traditional maritime skills like sailmaking and canvas work have been handed down for generations but seldom recorded. There are few authoritative sources of information on this subject but the Royal Navy has maintained this knowledge in this classic handbook. The diagrams and illustrations are particularly fine while the text is the distilled expertise of countless sailmakers. This book will interest naval historians and anybody who wishes to practise the skill of sewing and canvas work.

Published: **2008** Price: **£40** Member's price: **£28**  
ISBN: **978 1 870077 89 7** Ref: **0303**

**Buy the three together for just £95**

ISBN: **978 1 906915 37 7** Ref: **0337**

## SPECIALISMS



### DP Operator's Handbook

Third edition

**Captain D Bray FNI**

Dynamic positioning is a highly effective tool for precision control of vessels, and its use has spread well beyond the offshore oil and gas sector. Increasingly, DP capability is found on dredgers, cruise ships, superyachts and vessels involved in renewable energy projects.

In this third edition the content has been revised to take account of advances in technology and its application aboard DP-equipped vessels. It is a practical guide for serving and trainee DPOs and trainers, so concentrates on operational functions, setting up and testing equipment, bridge management and communications.

Published: **2019** Price: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 76 6** Ref: **0392**

### Polar Ship Operations – a practical guide

Second edition

**Captain Duke Snider FNI**

Operating ships within any ice regime requires knowledge, skills and awareness beyond those possessed by most mariners. Written by a respected Arctic shipping expert with extensive operational experience, this book provides practical advice on conditions, awareness and preparations for transits in polar waters.

Since the first edition was published in 2012, sea ice loss in the Arctic has accelerated dramatically and more, but less experienced, ship operators are becoming active in the area. This edition takes account of IMO's Polar Code, which entered into force on 1 January 2017, and also Arctic Council agreements on SAR and marine pollution.

*Polar Ship Operations* is an indispensable companion for any mariner contemplating sailing in ice-affected waters.

Published: **2018** Price: **£60** Member's price: **£42**  
ISBN **978 1 906915 56 8** Ref **0374**



**Buy the two books together for just £105**

ISBN: **978 1 906915 57 5** Ref: **0380**

## Handling Ships in First-Year Ice

Second edition

**Johan Buysse MMar MSc MNI**

First-year ice remains a major obstacle for commercial traffic, limiting vessels' speed and manoeuvrability. Because ice can damage ships' propellers, main engines, rudders and hull plating, handling ships in such conditions demands specialist knowledge and skills. The author uses his wide experience of operating ice class vessels to offer practical guidance on shiphhandling in first-year ice.

This new edition takes account of the Polar Code, heavier traffic in ice-affected waters, better communications and new ice-detection methods, while improved illustrations provide clearer guidance on manoeuvres in ice.

Published: **2018** Price: **£60** Member's price: **£42**

ISBN **978 1 906915 55 1** Ref: **0379**



## Improving Ship Operational Design

Second edition

**Various authors**

Bad ship design can kill people. It can also make working on board difficult and resting on board impossible. Good design can make maritime operations safer and more effective. This book aims to give naval architects and ship designers, both new and experienced, an insight into how seafarers work and live on the ships they design and how their daily lives could be improved by focusing on human-centred design. Practical articles on ship types and the operational requirements of personnel, illustrated by case studies, form the core of the book. References are given along with suggestions for further reading, all of which corresponds to the work carried out by the CyClaDes project.

Published: **2015** Price: **£65** Member's price: **£45.50**

ISBN: **978 1 906915 28 5** Ref: **0360**



## Numerical Weather Prediction

A practical guide for mariners

**Huw Davies MSc MA MBA FlntLM**

Numerical weather prediction (NWP) has significantly improved the accuracy of weather forecasts and enabled the development of services specifically for mariners, including routing advice and forecasts as ECDIS overlays. This practical guide opens up the technology that now forms the basis of all modern weather forecasts so that mariners can recognise when they are being presented with NWP, establish its source and the characteristics and performance of the particular NWP model, and make informed judgements on suitability and use.

Published: **2013** Price: **£55** Member's price: **£38.50**

ISBN: **978 1 906915 40 7** Ref: **0347**



## A Simulation Instructor's Handbook: The Learning Game

**Jillian Carson-Jackson FNI**

This handbook has been developed after years of simulator training experience and discussion with simulation instructors. Simulation is a valuable resource, and it is used increasingly in training, but what about training the trainer? Specialised training on integrating simulators into teaching is not always available. The book is a resource for instructors, or those aspiring to be instructors, who are expected to design and implement simulation training and who may lack information on how to achieve this. The handbook will promote discussion and further development for simulation instructor training.

Published: **2010** Price: **£35** Member's price: **£24.50**

ISBN: **978 1 906915 16 2** Ref: **0327**



## Hatch Cover Inspections

**W Vervloessem FNI**

This book is an authoritative and superbly illustrated guide to hatch cover surveys and inspections. It contains a large selection of photographs of hatch covers – over 400 – and is an indispensable guide for inspectors, surveyors, fleet managers, P&I clubs and others concerned with claims. Includes photographs of all the main hatch types, photographic evidence of good condition, plus evidence of defects and deficiencies, and a special section on hatch testing including ultra-sound techniques.

Published: **2003** Price: **£115** Member's price: **£80.50**

ISBN: **978 1 870077 62 0** Ref: **0275**



## The Shipping Industry and Marine Spatial Planning: a professional approach

This guide to help maritime professionals participate in marine spatial planning (MSP) was co-written with the World Ocean Council. It explores MSP to help those involved understand the issues in order to make informed and co-ordinated decisions that will reduce conflict between users.

Published: **2013** Price: **£7 (print copy)** Member's price: **£4.90**

**download free at [www.nautinst.org/MSP](http://www.nautinst.org/MSP)**



## The Expert Witness

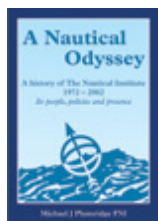
**M J Bozier ExC FAIMS FNI**

A useful guide for those involved in maritime commercial litigation. It covers the role of the expert witness, legal systems, retaining the expert, qualifications, role, duties and responsibilities, collecting and recording evidence, preparing reports, case progression and appearance in court. This book contains useful appendices with legal judgements.

Published: **2006** Price: **£40** Member's price: **£28**

ISBN: **978 1 906915 52 0** Ref: **0288**





## A Nautical Odyssey

A History of The Nautical Institute

**M J Plumridge FNI**

The book tells the story of how The Nautical Institute came to be established in 1972 and chronicles the activities of the first 30 years. It provides an understanding of nautical professional development and will inspire those who share in the belief that the nautical profession provides an essential service to society.

Published: **2003** Price **£15** Member's price: **£10.50**  
ISBN: **978 1 870077 67 5** Ref **0273**



## Managing Collision Avoidance at Sea

**Captain G W U Lee MNI and C J Parker OBE FNI**

Collision avoidance as a vital element of ship safety should be recognised in company instructions and Masters' standing orders. Safe strategies are outlined with case studies.

Published: **2007** Price: **£70** Member's price: **£49**  
ISBN: **978 1 870077 86 6** Ref: **0299**

## SCHEMES

The Nautical Institute provides a range of self-study schemes, accreditation and recognition services to provide our members and industry with guidance, advice and assistance needed to enhance their specialist knowledge and proficiency.

The Institute offers a wide range of services from being the sole recognised certification provider for dynamic positioning training to providing one-off audits. It can provide a full international certification scheme or work on behalf of flag administrations as a designated authority.



## The Nautical Institute DP Operator Training Scheme

The Nautical Institute DP Operator Training Scheme is the industry-recognised learning route to becoming a qualified Dynamic Positioning Operator (DPO).

The Nautical Institute administers the certification of DPOs together with the accreditation of the training providers and the input from the Dynamic Positioning Training Executive Group (DPTeg).

For more information about the scheme and details of the revalidation process and transition arrangements visit:  
[www.nialexisplatform.org](http://www.nialexisplatform.org)

Prices: Initial application, upgrade or conversion:  
**£170 (+ VAT where applicable)**  
Revalidation: **£160 (+ VAT where applicable)**



## Ice Navigator Scheme

Ice Navigator Scheme has been developed in response to rapidly growing demand for officers with proven expertise in handling ships in ice. This Scheme is open to those who hold, or are studying towards, a deck officer qualification awarded by a White List administration. Participants must demonstrate practical competence on board and in simulator exercises, and show a thorough understanding of ice regimes, including ice physics, operations in sea ice, hazards, search and rescue and weather. For more information visit:  
[www.nialexisplatform.org/certification](http://www.nialexisplatform.org/certification)

Price: **£170 + VAT** Member's price: **£150 + VAT**

## The Nautical Institute's Recognition Scheme

The Nautical Institute has established a recognition scheme through which maritime products and services may be formally evaluated and recognised for the purposes of CPD. For more information visit: [www.nialexisplatform.org/recognition](http://www.nialexisplatform.org/recognition)

Price: **£500**

## SHORT COURSES



The Nautical Institute's short courses are an intensive guide to professional topics that will help to ensure your organisation is operating at the highest level. Find a full list of courses on the website.

Classroom courses are taught in small groups of 12 participants and online courses with 8 participants to maximise the effectiveness of the course.

Participants receive a Nautical Institute certificate of completion.

## Navigation assessor

Masters preparing for assessment, inspectors, surveyors, superintendents, marine managers and marine consultants will learn how to conduct a thorough, fair and effective assessment and prepare the post-assessment report. The course qualifies you to conduct TMSA3 element 5 navigation audits. Successful candidate receive an NI navigation assessors certificate.

Classroom course: **2 days**

Online course: **3.5 hour sessions for 4 days**

Price(+VAT): **£1000.00 (£850.00 for NI members)**

For more information, visit [www.nautinst.org/NINA](http://www.nautinst.org/NINA)

## Onboard assessment

Developed from members' experiences and industry best practice, this course references the IMO Model Course 1.30; section A-1/6 of the STCW Code; TMSA 3 – Element 3 and section 4.20 of Guide to Safe Container Operations by the Container Ship Safety forum. It gives senior navigation officers and engineers the skills, techniques and confidence to assess and record behavioural competency in support of company operations, to improve quality and reduce risk.

Classroom course: **3 days**

Online course: **3.5 hour sessions for 5 days**

**This is a company course only, for pricing or more information email [courses@nautinst.org](mailto:courses@nautinst.org)**

## Introduction to shipping

Benefit from the experience and expertise of a leading professional organisation that understands the complex infrastructure of the shipping industry as a whole. The online course gives newcomers to the maritime industry a basic understanding of the stakeholders and how they interact.

Classroom course: **1 day**

Online course: **3.5 hour sessions for 2 days**

Price(+VAT): **£400.00 (£375.00 for NI members)**

**For more information, visit [www.nautinst.org/intro-to-shipping](http://www.nautinst.org/intro-to-shipping)**

## Reducing risk through the human element

This course is designed to provide an overview of how to reduce risks by concentrating on the most important physical and psychological aspects of the human element. It looks at the interaction of people on vessels at sea, providing risk management tools. It examines the realities of human limitations and how this can impact the delivery of consistent, safe and efficient work.

Classroom course: **2 days**

Online course: **3.5 hour sessions for 4 days**

**This is a company course only. For pricing and more information, visit [www.nautinst.org/human-element](http://www.nautinst.org/human-element)**

## Human element online modules

- Risk and risk taking behaviour
- Understanding risk from a human element perspective
- Risk and the ISO 31 000 Standard
- Managing risk the four-step SAFE way
- Risk and bow tie analysis.

Online only: **One 3.5-hour session, per module**

Price per module (+VAT): **£200.00 (£180.00 for NI members)**

**For more information, visit [www.nautinst.org/HE-modules](http://www.nautinst.org/HE-modules)**

## Blockchain for maritime professionals – the fundamentals

Blockchain and digital transformation strategies to turbocharge your business future. Delivered using the latest interactive learning tools such as guided workshops and demonstrations. This course covers the genesis, the DNA and mechanics of blockchain and its applications.

Classroom course: **2 days**

Online course: **2 hour sessions, for 3 days**

Price (+VAT): **£400.00 (£375.00 for NI members)**

**For more information, visit [www.nautinst.org/BMD](http://www.nautinst.org/BMD)**

## Rethinking investigations and audits

An understanding of audits and investigations and their fundamental role in improving safety and learning is provided together with practical tools and concepts to create learning organisations.

- The Investigation and audit framework, basic course
- Investigations and audits differently, advanced course

Duration of both online courses: **6 two-hour sessions over a period of 3 weeks**

Price for basic course (+VAT): **£750.00 (£675.00 for NI members)**

Price for advanced course (+VAT): **£750.00 (£675.00 for NI members)**

**For more information, visit [www.nautinst.org/RAI](http://www.nautinst.org/RAI)**

## Onboard competency assessment

The NI's Onboard competency assessment course provides industry guidance for those conducting in-service assessments of competence of seafarers on board.

Classroom course: **2 days**

Online course: **3.5 hour sessions for 4 days**

Price(+VAT): **£1000.00 (£850.00 for NI members)**

**For more information, visit [www.nautinst.org/OCA](http://www.nautinst.org/OCA)**

### Course discounts for members of:

The Nautical Institute, Intertanko, InterManager, BIMCO, Trinity House

Email [courses@nautinst.org](mailto:courses@nautinst.org) to check if your organisation is eligible for a discount or with any queries.

## SELF-STUDY SCHEMES

Please visit the CPD area of our website for more details on all Institute schemes: [www.nautinst.org/CPD](http://www.nautinst.org/CPD)

## The Harbour Master Scheme

For existing and new Harbour Masters, this modern course will give anyone a good grounding and preparation for the work of the Harbour Master. For more information visit: [www.nautinst.org/HMS](http://www.nautinst.org/HMS)

Scheme and book price: **£650 (excluding VAT and P&P)**

**Please e-mail [harbourmaster@nautinst.org](mailto:harbourmaster@nautinst.org) for members' discount**

## The Nautical Institute's Command Scheme

This self-learning scheme enables aspiring officers to prepare for command beyond the minimum standards of STCW. For more information visit: [www.nautinst.org/commandscheme](http://www.nautinst.org/commandscheme)

Scheme and book price: **£2500.00 (excluding VAT and P&P)**

**Please contact [command@nautinst.org](mailto:command@nautinst.org) for members' discount.**

## MERCHANDISE

Drawing on our rich heritage, The Nautical Institute's online shop invites you to join the NI community in style. Our collection features pure silk ties, enamel cufflinks and gold foiled notebooks detailed with the traditional armillary sphere. To see the full range or to place an order visit: [www.nautinst.org/shop](http://www.nautinst.org/shop)



VAT charged as applicable



### Pure Silk Tie

Smart navy blue tie, accented by the NI armillary logo

Price: **£29** Member's price: **£20.30**  
Ref: **5020**



### Medium Ruled Notebook

Rust tone notebook detailed with a gold foiled logo and elastic fastening

Price: **£15** Member's price: **£10.50**  
Ref: **5026**



### Stainless Steel Travel Mug

Durable stainless steel travel mug with the NI logo

Price: **£15** Member's price: **£10.50**  
Ref: **5027**



### Enamel Armillary Cufflinks

Small enamel cufflinks detailed with the NI armillary logo

Price: **£29** Member's price: **£20.30**  
Ref: **5023**

## IMO BOOKSHELF

10% discount for members  
15% for all customers on orders of 10 or more

To order any other IMO title, please contact

[pubs.admin@nautinst.org](mailto:pubs.admin@nautinst.org)

### Cargo Stowage & Securing (CCS) Code

Published: **2011** Price: **£20** Ref: **1507**

### Collision Prevention Convention (COLREG)

Published: **2003** Price: **£10** Ref: **1513**

### Fire Safety Systems (FSS) Code

Published: **2015** Price: **£30** Ref: **1503**

### GMDSS Manual

Published: **2019** Price: **£120** Ref: **1546**

### Guide to Maritime Security & ISPS Code

Published: **2012** Price: **£50** Ref: **1501**

### Guidelines for the Implementation of MARPOL Annex V

Published: **2017** Price: **£15** Ref: **1530**

### High Speed Craft (2000 HSC) Code

Published: **2008** Price: **£20** Ref: **1521**

### IAMSAR Manual: Volume I

Published: **2019** Price: **£30** Ref: **1541**

### IAMSAR Manual: Volume II

Published: **2019** Price: **£60** Ref: **1542**

### IAMSAR Manual: Volume III

Published: **2019** Price: **£65** Ref: **1543**

### IMDG Code, 2018 Edition

(inc. Amdt 39-18)

Published: **2018** Price: **£135** Ref: **1536**

### IMDG Code Supplement:

Published: **2018** Price: **£65** Ref: **1537**

### IMO 2020

Published: **2019** Price: **£22** Ref: **1544**

### IMO Standard Marine Communication Phrases (SMCP)

Published: **2005** Price: **£40** Ref: **1519**

### IMSBC Code

Published: **2020** Price: **£70** Ref: **1547**

### International Convention for Safe Containers

Published: **2014** Price: **£12** Ref: **1506**

### International Code of Signals

Published: **2005** Price: **£49** Ref: **1520**

### International Convention on Load Lines

Published: **2005** Price: **£22** Ref: **1512**

### ISM Code & Guidelines

Published: **2018** Price: **£20** Ref: **1534**

### Life-Saving Appliances including LSA Code

Published: **2017** Price: **£30** Ref: **1524**

### MARPOL Annex VI & NTC 2008

Published: **2017** Price: **£35** Ref: **1527**

### MARPOL Consolidated Edition 2017

Published: **2017** Price: **£80** Ref: **1531**

### Polar Code, 2016 Edition

Published: **2016** Price: **£20** Ref: **1523**

### Procedures for Port State Control 2017

Published: **2018** Price: **£23** Ref: **1535**

### Ships' Routeing, 2019 Edition

Published: **2019** Price: **£135** Ref: **1545**

### SOLAS Consolidated Edition 2014

Published: **2014** Price: **£90** Ref: **1500**

### STCW including 2010 Manila Amendments

Published: **2017** Price: **£50** Ref: **1528**



# MARS – Mariners' Alerting and Reporting Scheme

## Influence change and help seafarers learn to be safer

- Free database at [www.nautinst.org/MARS](http://www.nautinst.org/MARS)
- Keyword searchable database
- Safety case studies
- Risk management
- Confidential
- No blame



# THE NAVIGATOR

Inspiring professionalism in marine navigators

*The Navigator* championing the role of today's professional marine navigators

Published in association with the Royal Institute of Navigation, *The Navigator* is free and appears three times a year. Articles are short, but eye-catching and informative, and intended to spark discussion. It is available both in print and online at:

[www.nautinst.org/thenavigator](http://www.nautinst.org/thenavigator)



# UPGRADE YOUR FUTURE



Can you keep up with new technology & new regulations?  
Want to network & improve your job prospects?  
Want a direct line to IMO decision making?  
Want professional recognition?  
Want legal defence insurance?



join today at [www.nautinst.org](http://www.nautinst.org)

PROUD TO BE #INtheNI