# A-Z of subjects and publications

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

Bridget Hogan, Director, Publishing and Membership

As an independent professional membership organisation, we promote safer and more effective shipping practices 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 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

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

order online: www.nautinst.org/shop

Are you a maritime professional? Join us: www.nautinst.org
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

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

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 both together for just £275  
ISBN: 978 1 906915 65 0  Ref: 0383
Bridge Watchkeeping
Third edition
Captain Mark Bull FNI
A completely revised, fully updated and practical manual giving advice on avoiding potential pitfalls including not to rely on a single source of information and rather than either/or utilise combine and compare. Captain Yves Vandenborn FNI, Director of Loss Prevention at the Standard Club says in his Foreword that many accidents ‘could have been prevented if the bridge teams had embraced the best practices set out in this book.’
Published: 2021  Price: £60  Member’s price: £42
ISBN: 978 1 906915 92 6  Ref: 0402

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

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

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

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
Keep in touch – find us on social media
Members receive a 30% discount on all publications
Are you a maritime professional? Join us: www.nautinst.org
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

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: 0380

**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

---

**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.

Book 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.

Book published: 2013  
Price: £45  
Member’s price: £31.50  
ISBN: 978 1 906915 46 9  
Ref: 0342

---

Keep in touch – find us on social media

---

Are you a maritime professional? Join us: www.nautinst.org

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

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

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

Buy the two together for just £205
ISBN: 978 1 906915 03 2  Ref: 0317
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, chartparties, 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:

“Amyone 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

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
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 GiFire 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

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 Buyssse 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 shiphandling 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 FinstLM
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 Vervloesem 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

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 recoding 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

The Nautical Institute
Members receive a 30% discount on all publications

Are you a maritime professional? Join us: www.nautinst.org

Keep in touch – find us on social media
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

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

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

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

Price: £500

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
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

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

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

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

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

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

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

Course discounts for members of: The Nautical Institute, Intertanko, InterManager, BIMCO, Trinity House
Email courses@nautinst.org to check if your organisation is eligible for a discount or with any queries.

Block chain for maritime professionals – the fundamentals

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
Scheme and book price: £650 (excluding VAT and P&P)
Please e-mail 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
Scheme and book price: £2500.00 (excluding VAT and P&P)
Please contact command@nautinst.org for members’ discount.
The Nautical Institute

Members receive a 30% discount on all publications

14 Are you a maritime professional? Join us: www.nautinst.org

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

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

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

Published: 2012 Price: £50 Ref: 1501

Guidelines for the Implementation of MARPOL Annex V
Published: 2017 Price: £15 Ref: 1530

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

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

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

VAT charged as applicable

IMO 2020
Published: 2019 Price: £22 Ref: 1544

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

VAT charged as applicable

IMO 2020
Published: 2019 Price: £22 Ref: 1544

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

VAT charged as applicable
MARS – Mariners’ Alerting and Reporting Scheme

Influence change and help seafarers learn to be safer

- Free database at 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 eyecatching and informative, and intended to spark discussion. It is available both in print and online at:

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

PROUD TO BE #INtheNI