

The Nautical Institute

# Publications and Services 2022

A golden anniversary year of international events  
For details see [www.nautinst.org](http://www.nautinst.org)



1972-2022

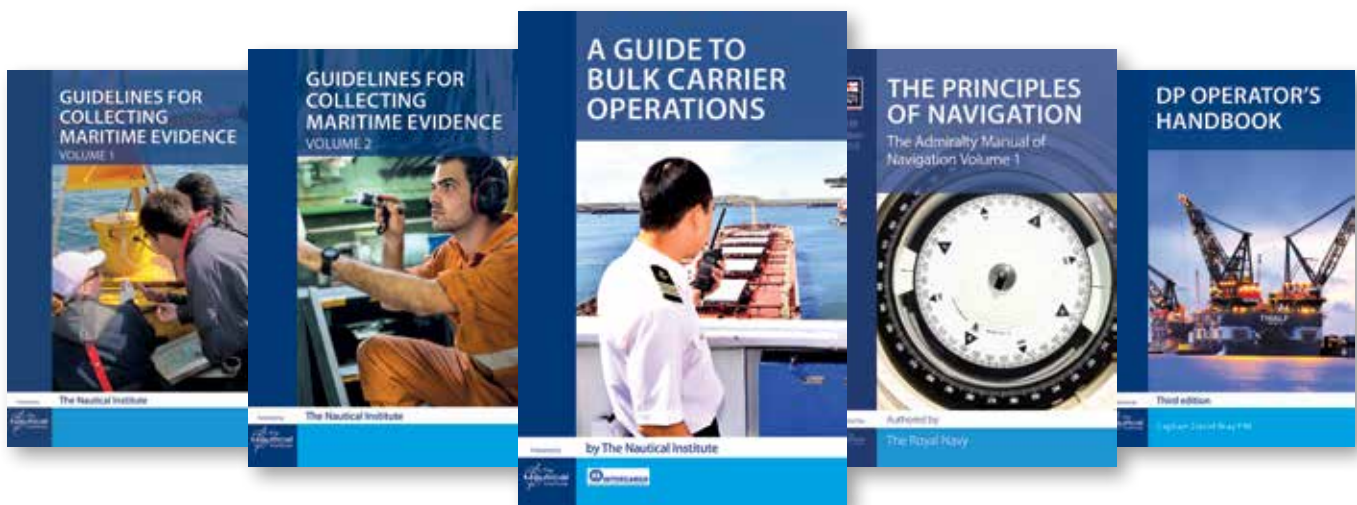
## A-Z of subjects and publications

The Admiralty Manual of Navigation Vol 1: The Principles of Navigation .....	4	Integrated Bridge Systems Vol 2 ECDIS and Positioning .....	5
The Admiralty Manual of Navigation Vol 2: Astro Navigation .....	4	Launch and Recovery of Boats from Ships..	11
The Admiralty Manual of Seamanship .....	11	Managing Traumatic Stress: Guidance for Maritime Organisations .....	6
Alert! .....	6	Maritime Security handbook: Coping with Piracy .....	8
Bridge Team Management .....	5	Maritime Security handbook: Stowaways by Sea and Rescue of Migrants.....	8
Bridge Watchkeeping .....	5	Maritime Security: A practical guide .....	8
Bulk Carrier Practice .....	10	Mentoring at Sea .....	6
Casualty Management Guidelines.....	6	Mooring and Anchoring Ships Vol 1 Principles and Practice .....	10
The Nautical Institute on Command.....	5	Mooring and Anchoring Ships Vol 2 Inspection and Maintenance.....	10
DP Operator's Handbook.....	12	Navigation Accidents and their Causes.....	7
Driving Lifeboats and Rescue Boats.....	11	Navigation Assessments – A guide to best practice.....	5
Fifty Years of The Nautical Institute.....	3	Numerical Weather Prediction – A practical guide for mariners .....	12
A Guide to Bulk Carrier Operations .....	11	Polar Ship Operations – a practical guide....	11
Guidelines for Collecting Maritime Evidence Vol 1 .....	7	Shiphhandling Logbook .....	6
Guidelines for Collecting Maritime Evidence Vol 2 .....	7	The Shipmaster's Business Self-Examiner....	8
Guidelines for the Maritime Expert Witness..	7	A Simulation Instructor's Handbook .....	12
Handling Ships in First-Year Ice .....	12	Stability, Trim and Strength for Merchant Ships and Fishing Vessels .....	11
Hatch Cover Inspections.....	12	Tug Use Offshore, in Bays and Rivers.....	10
Human Performance and Limitation for Mariners .....	6	The Work of the Harbour Master.....	10
Improving Ship Operational Design.....	12		
Integrated Bridge Systems Vol 1 Radar and AIS .....	5		

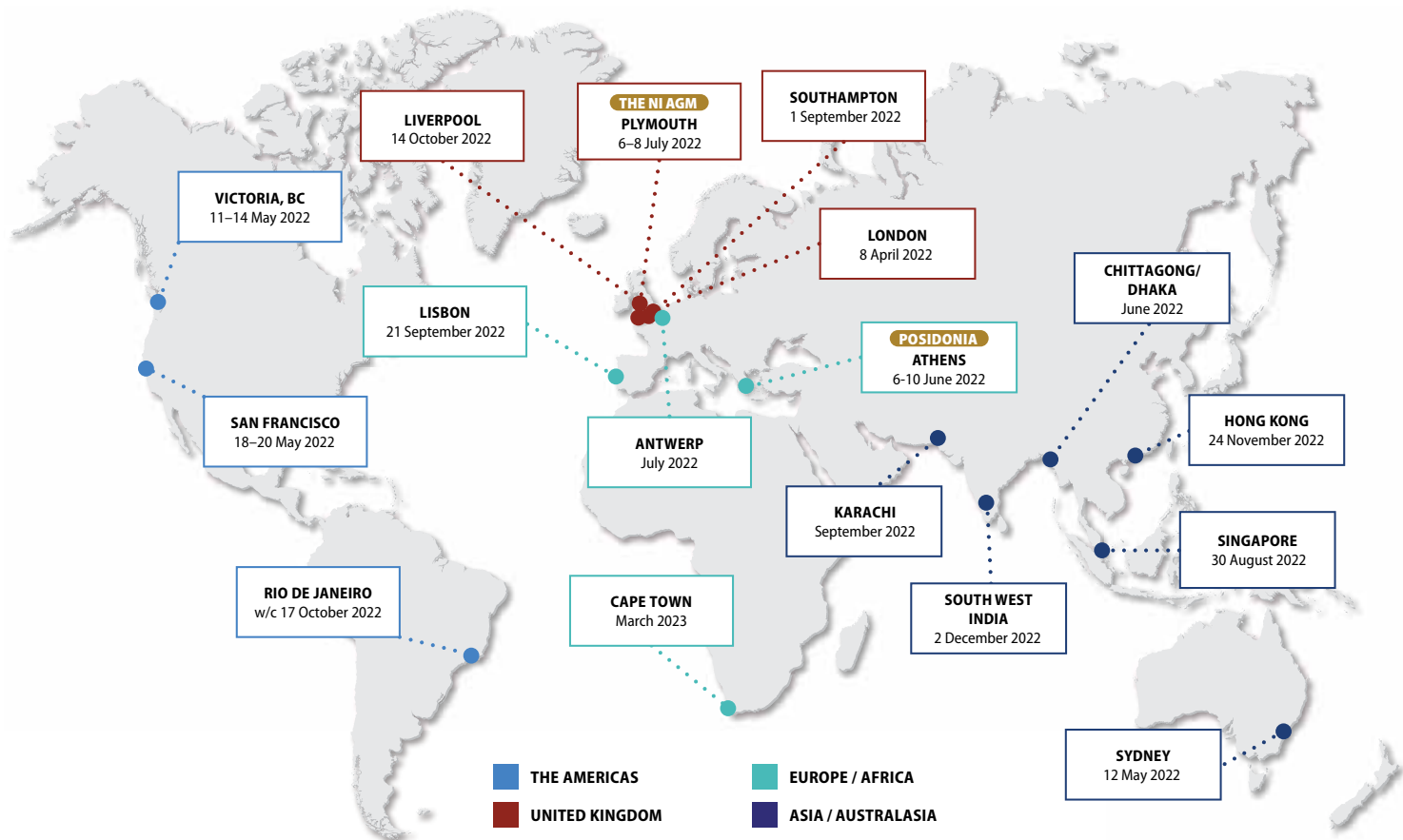
**The following books are no longer featured in this catalogue but are still available on the website**

Collision Avoidance at Sea  
 Leadership Throughout  
 Managing Collision Avoidance at Sea  
 The Naval Handbook for Ship Firefighters  
 The Naval Handbook for Survivors  
 The Naval Handbook for Sailmakers  
 A Nautical Odyssey  
 The Shipping Industry and Marine Spatial  
 Planning: a professional approach  
 The Use of Visual Aids to Navigation

**For information about courses and schemes please visit the NI academy at <https://www.nautinst.org/ni-academy.html>**



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



# The NI – celebrating 50 inspiring years

The idea for a professional body for the benefit of deck officers came in the 1960s as a reaction to increasingly fragmented approaches to merchant navy qualifications and poor retention of officers.

It wasn't until 1972 that the aspirations for a nautical professional body were realised. The founders needed foresight – and some courage – to struggle against opposition to the idea from industry and trades unions.

Early difficulties contributed to the character of the Institute today – an inspirational, robust and thriving organisation with 7,000 members, consultative status at the IMO, cooperative projects promoting best practice and over 50 branches worldwide. These have their own programmes to further the ambition of the NI as it looks to the next 50 years. New developments will look at innovative training techniques, research and other cooperative activities.

Conferences and publishing were early initiatives to try to bridge the widening gap between CoCs and the rate of change in technological innovation in shipping as ships grew larger and propulsion systems changed. These are all issues that NI members face today.

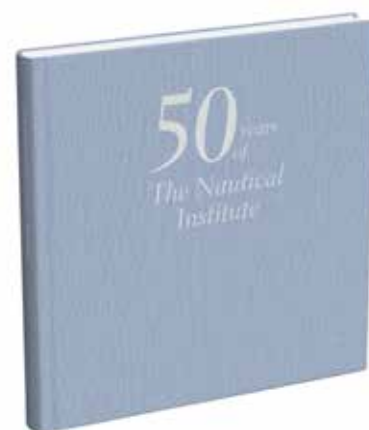
The events scheduled for the 50th anniversary year show that members are committed to being at the forefront of determining the skills and expertise that will be needed in this new world. They are reaching out to other interested organisations around the world to engage others with relevant skills and experience to enrich the arguments.

The best way to influence the future of best practice is to join the NI and make sure you attend at least one of the 50th anniversary events around the world. By being an active member you can best influence the look of the industry over the next 50 years.

## Fifty Years of The Nautical Institute

A year-by-year look at the history of the NI and maritime in words and pictures, *Seaways* articles and the memories of founder and long-standing members. The cover is woven from plastic recycled from the oceans – a truly appropriate feature!

Price: **£75** Member's price: **£50**  
ISBN: **978 1 906915 99 5** Ref: **0405**



# NI BOOKSHOP

Nautical Institute books are practical guides on best practice. Robust peer review and input from experts helps ensure our books remain current and many are recognised as industry and military standards.

## THE BENEFITS OF MEMBERSHIP

We have a membership type to suit everyone. Find out what Nautical Institute membership can do for you. The Nautical Institute is a thriving membership organisation, open to all those with a professional interest in the control of sea-going ships and other maritime matters. Join us in a winning partnership and receive a **30% discount** on all NI titles.

## DISCOUNTS

In addition to the discount offered to NI members, we offer the same 30% discount to other organisations that share our goal of better standards across the maritime industry. If you are a member of the following organisations you can buy one of our books at the NI membership price:

- IFSMA
- IMarEST
- IMEC
- RINA
- Green Awards.

To find out more and to see the full range of NI titles, go to:

[www.nautinst.org/shop-listing.html](http://www.nautinst.org/shop-listing.html)

## NAVIGATION AND BRIDGE MANAGEMENT



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

**Alastair Harris MSc BA (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: **£160** Member's price: **£112**  
ISBN: **978 1 906915 64 3** Ref: **0382**



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

**Alastair Harris MSc BA (Hons)**

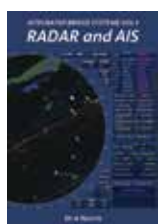
Satellite technology enables almost every mariner to use electronic nav aids to fix their position on the oceans. However, electronic systems can be disrupted by errors in a satellite or its ground control systems, defects in shipboard equipment or interference with satellite signals. The celestial chart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

This 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: **£160** Member's price: **£112**  
ISBN **978 1 906915 58 2** Ref **0377**

**Buy both together for just £295**

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



## Integrated Bridge Systems Vol 1

Radar and AIS

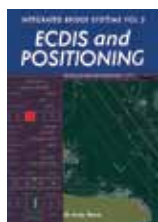
**Dr A Norris FNI**

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: **£65** Member's price: **£45.50**

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: **£65** Member's price: **£45.50**

ISBN: **978 1 906915 11 7** Ref: **0321**

**Buy the two together for just £110**

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



## 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: **£70** Member's price: **£49**

ISBN: **978 1 906915 21 6** Ref: **0357**

**Ebook available**

ISBN: **978 1 906915 85 8** Ref: **0357e**



## 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 Vandenberg 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: **£65** Member's price: **£45.50**

ISBN: **978 1 906915 92 6** Ref: **0402**

**Ebook available**

ISBN: **978 1 906915 94 0** Ref: **0402e**



## 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: **£75** Member's price: **£52.50**

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: **£60** Member's price: **£42**

ISBN: **978 1 906915 51 3** Ref: **0366**

**Ebook available**

ISBN: **978 1 906915 87 2** Ref: **0366e**

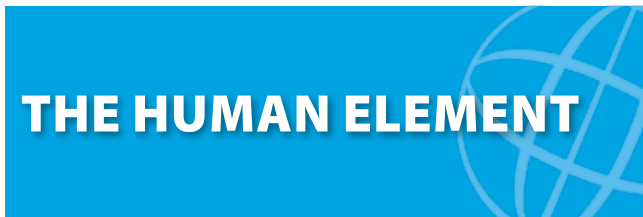


## Shiphandling Logbook

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: **£45** Member's price: **£31.50**  
ISBN: **978 1 906915 63 6** Ref: **0381**



## 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.

Published: **2012** Price: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 48 3** Ref: **0346**

**Ebook available**

ISBN: **978 1 906915 88 9** Ref: **0346e**

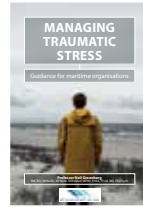


## Human Performance and Limitation for Mariners

**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: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 34 6** Ref: **0362**



## 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**



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

Alert! is a Nautical Institute project, sponsored by The Lloyd's Register Foundation, that aims to improve

awareness of the human element in the maritime industry. Since the project began in 2003, 40 issues of the award-winning *Alert!* international human element bulletin have been produced, with 2.5 million copies distributed worldwide. The project continues to serve the maritime industry as a valuable resource for all to use and it is available at

<https://www.nautinst.org/resource-library/he-alert.html>



## Casualty Management Guidelines

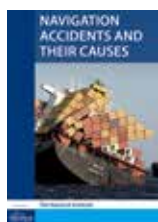
**The Nautical Institute in association with the International Salvage Union**

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: **£60** Member's price: **£42**  
ISBN: **978 1 906915 39 1** Ref: **0336**

**Ebook available**

ISBN: **978 1 906915 79 7** Ref: **0336e**



## 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: **£70** Member's price: **£49**  
ISBN: **978 1 906915 32 2** Ref: **0361**

**Ebook available**

ISBN: **978 1 906915 97 1** Ref: **0361e**

**Buy the two together for just £115**

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: **£60** Member's price: **£42**  
ISBN: **978 1 906915 54 4** Product Code: **0390**

**Ebook available**

ISBN: **978 1 906915 83 4** Ref: **0390e**



## 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: **£60** Member's price: **£42**  
ISBN: **978 1 906915 70 4** Product Code: **0388**

**Ebook available**

ISBN: **978 1 906915 84 1** Ref: **0388e**

**Buy both together for just £110**

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



## Guidelines for the Maritime Expert Witness

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

Published: **2022** Price: **£60** Member's price: **£42**  
ISBN: **978 1 906915 90 2** Ref: **0403**

**Ebook available**

ISBN: **978 1 915488 10 7** Ref: **0403e**

**Buy with Guidelines for Collecting Maritime Evidence Vol 1 & Vol 2 for just £145**

ISBN: **978 1 906915 93 3** Ref: **0404**

## 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: **£70** Member's price: **£49**  
ISBN: **978 1 906915 45 2** Ref: **0341**

**Ebook available**

ISBN: **978 1 906915 95 7** Ref: **0341e**



### 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: **£50** Member's price: **£35**  
ISBN: **978 1 906915 46 9** Ref: **0342**

**Ebook available**

ISBN: **978 1 906915 96 4** Ref: **0342e**

**Buy with Maritime Security for just £105**

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: **£50** Member's price: **£35**  
ISBN: **978 1 906915 69 8** Ref: **0393**

**Ebook available**

ISBN: **978 1 906915 82 7** Ref: **0393e**

**Buy with Maritime Security for just £105**

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

**Buy these three books together for just £145**

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: **£85** Member's price: **£59.50**  
ISBN: **978 1 906915 35 3** Ref: **0364**

The Nautical Institute's

# Professional Short Courses

Take your career to the next level

The Nautical Institute's short courses are an intensive guide to professional topics that will help ensure your organisation is operating at the highest level. Courses are taught in small groups and take place at locations around the world.



## Courses currently available include:

### Navigation Assessor Part A

- Improving navigational safety and sharing best practice on board
- A systematic approach to conducting navigation assessments
- Preparing an effective report

### Navigation Assessor Part B

- Undertaking an actual navigation assessment
- Submitting a navigational assessment report for review.

### Onboard Competency Assessment

- Organising a competency and behavioural assessment
- Performance observation and recording
- Assessment debriefs

### Blockchain for Maritime Professionals – The Fundamentals

- A firm understanding of the key concepts behind Blockchain
- Learn to apply an original framework (NEF\*) to evaluate Blockchain uses
- An understanding of the digital transformation phenomenon
- Strategies for successful Blockchain implementation

### Understanding Risk through the Human Element

- Understanding human capabilities and limitations
- The ship and its environment
- Cultural and organisational issues

### Risk and Risk-taking Behaviour

- Understanding risk theory and risk-taking behaviour
- Culture, motivation, perception, decision-making and attitudes
- Error and rogue behaviour

### Introduction to Shipping

- What shipping is, types of vessels and common terms
- Functionality of the logistical chain including demand, supply and shipping cycles
- Seafarer's right to protection
- Factors and innovations shaping the future of international shipping

### Casualty Management

- Understanding accident and incident response, legal frameworks and the lawyer's perspective
- The roles and responsibilities of various stakeholders
- The role of communication and technology

### Marine Insurance

- Definitions, case law and the three pillars of marine insurance
- Types of marine insurance and the different clauses
- Maritime fraud

### Criminalisation of Seafarers

- Definitions, case law and what constitutes a criminal act
- Seafarers' exposure to different laws and the rights of seafarers
- IMO guidelines and a look at some recent incidents

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

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The Nautical Institute**

**For more information or to book your  
place, visit [www.nautinst.org/courses](http://www.nautinst.org/courses)**

# 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: **£130** Member's price: **£91**  
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: **£130** Member's price: **£91**  
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 £220**

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 are valid for 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: **£85** Member's price: **£59.50**  
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: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 02 5** Ref: **0332**

# SEAMANSHIP



## 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: **£190** Member's price: **£133**  
ISBN: **978 1 906915 10 0** Ref: **0320**



## The Admiralty Manual of Seamanship

**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: **£160** Member's price: **£112**  
ISBN: **978 1 906915 49 0** Ref: **0356**



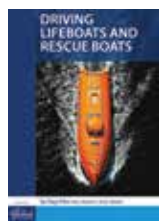
## Launch and Recovery of Boats from Ships

**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: **£40** Member's price: **£28**  
ISBN: **978 1 906915 22 3** Ref: **0376**



## Driving Lifeboats and Rescue Boats

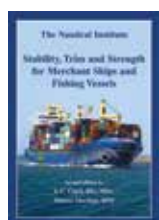
**Dag Pike FRIN FIMarEST AFNI FRMetS**

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: **£40** Member's price: **£28**  
ISBN: **978 1 906915 66 7** Ref: **0384**

**Buy the two together for just £65**

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 information 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: **£120** Member's price: **£84**  
ISBN: **978 1 870077 87 3** Ref: **0267**



## 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: **£70** Member's price: **£49**  
ISBN: **978 1 906915 77 3** Ref: **0397**

**Ebook available**

ISBN: **978 1 906915 89 6** Ref: **0397e**

## SPECIALISMS



## 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: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 56 8** Ref: **0374**

**Ebook available**

ISBN: **978 1 906915 98 8** Ref: **0374e**



## 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 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: **£65** Member's price: **£45.50**  
ISBN: **978 1 906915 55 1** Ref: **0379**

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



## 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.

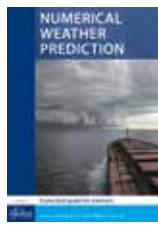
Increasingly, DP capability is found on dredgers, cruise ships, superyachts and vessels involved in renewable energy projects.

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: **£70** Member's price: **£49**  
ISBN: **978 1 906915 76 6** Ref: **0392**

**Ebook available**

ISBN: **978 1 906915 86 5** Ref: **0392e**



## 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: **£60** Member's price: **£42**  
ISBN: **978 1 906915 40 7** Ref: **0347**



## 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: **£70** Member's price: **£49**  
ISBN: **978 1 906915 28 5** Ref: **0360**



## 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: **£40** Member's price: **£28**  
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 ultrasound techniques.

Published: **2003** Price: **£125** Member's price: **£87.50**  
ISBN: **978 1 870077 62 0** Ref: **0275**

# SCHEMES



The Institute offers a wide range of services from being the leading certification provider for dynamic positioning training to providing one-off audits. It can develop training, standards and administer full international certification schemes or work on behalf of flag administrations as a designated authority

**The Nautical Institute Dynamic Positioning Operator Training & Certification Schemes**

**The Nautical Institute Dynamic Positioning Vessel Maintainer Scheme**

**Ballast Control Operator Training Scheme**

**Vessel Traffic Services Training Scheme (IALA R0103)**

**Oil Spill Response**

**Ice Navigation Scheme**

**Training and Certification Scheme for DP Station Keeping Systems for Remote Operations**

**The Nautical Institute Training Centre Accreditation**

**The Nautical Institute Recognition for CPD Scheme**

**The Harbour Master Scheme**

**The Command Diploma Scheme**

**The International Sail Endorsement Scheme**

[www.nautinst.org/ni-academy](http://www.nautinst.org/ni-academy)

## 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)

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#### Pure Silk Tie

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Member's price: **£30** Ref: **5051**

### Available to all members



#### Pure Silk Tie

Two-tone blue

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### Available to everybody



#### 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**  
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#### Bobbie Hat

Navy blue hat with the Nautical Institute's traditional armillary logo.

Price: **£15** Member's price: **£10.50**  
Ref: **5028**



#### Tea Boxes

A beautiful tea box emblazoned with the NI's armillary sphere. Made of hard-wearing, sustainable bamboo.

\*Please note that the tea bags in the picture are not included.

Price: **£15** Member's price: **£10.50** Ref: **5030**



#### 50th Anniversary Calendar

Stunning images from the winners of the NI photography competition featured in an A4 wall-calendar.

Price: **£8** Member's price: **£5.60** Ref: **5031**



#### Polo Shirt

#### 50th anniversary limited edition

Double tipped polo shirts with The Nautical Institute 50th logo. Colour navy.

Sizes S to XXX-Large

Price: **£30** Member's price: **£21**



#### Unisex Fleece Pullover Hoodie

#### 50th anniversary limited edition

Ultra-comfortable unisex fleece pullover hoodie, with The Nautical Institute 50th logo. Available only in navy blue.

Sizes S to XXX-Large

Price: **£50** Member's price: **£35**



#### Unisex Soft Shell Jacket

#### 50th anniversary limited edition

Smart blue and charcoal jacket with The Nautical Institute 50th logo and contrasting breathable underarm and side panels. Front zip and two front zip pockets.

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# MARS – Mariners' Alerting and Reporting Scheme

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