



Accident prevention: managing risks / sharing knowledge

3-4 May 2022

12.30-16.30 & 10.00-14.00 EEST

WEBINAR

Addressed to crew officers (deck & engine) and office personnel of HELMEPA Member companies

Supported by



This webinar is part of the project titled “Enhancing the Understanding of New and Enduring Challenges in Maritime Safety Culture in the Eastern Mediterranean”, which is supported by Lloyd’s Register Foundation (LRF)* and implemented by HELMEPA between 2019 and 2022 in Greece and Cyprus, in cooperation with partners CYMEPA, Lloyd’s Register and DYNAMARINE.

* LRF is a charitable Foundation, helping to protect life and property by supporting engineering-related education, public engagement and application of research (www.lrfoundation.org.uk)

3 May 2022

- 12.30 – 13.20 Risk-based approach for safe planning and conduct of SIMOPS and other hazardous activities on board — Lloyd’s Register
- 13.20 – 13.30 Break
- 13.30 – 14.20 Risk-based approach for safe planning and conduct of SIMOPS and other hazardous activities on board (cont.)
- 14.20 – 14.30 Break
- 14.30 – 15.20 **The theory of risk management in plain terms for maritime professionals** — NTUA, Laboratory for Maritime Transport
- 15.20 – 15.30 Break
- 15.30 – 16.20 **Situational awareness and weak signals** — NTUA, Laboratory for Maritime Transport & comments by Capt. M. Fragkias, HELMEPA Training Committee
- 16.20 – 16.30 Q&As / Wrap-up / Closure

4 May 2022

- 10.00 – 10.50 Maritime global safety trends — Nautical Institute
- 10.50 – 11.00 Break
- 11.00 – 11.50 **Incident reporting and investigation in practice for maritime professionals** — Springfield Shipping Co. Panama S.A.
- 11.50 – 12.00 Break
- 12.00 – 12.50 **Experience-sharing from marine casualty investigations** — Hellenic Bureau for Marine Casualties Investigation
- 12.50 – 13.00 Break
- 13.00 – 13.50 **Experience-sharing from marine casualty investigations (cont.)**
- 13.50 – 14.00 Q&As / Wrap-up / Closure



Alexandros TOUTOUNTZIS

Marine Management Systems
Senior Specialist
Lloyd's Register

Mr. Toutountzis started his career back in June 2000, as a seagoing Engineer Officer on board bulk carriers and tankers. In time following further BSc and MSc studies, he decided to work on land and progressed to become a Senior Surveyor / Auditor at a leading IACS class society and later a Ship Manager in a major management Company. Back in 2017 Mr. Toutountzis returned to Greece and now holds the position of a Senior Auditor at LR Marine Management Systems, being responsible for office & shipboard audits, as well as for executing tailor made training courses.



Dr. Nikolaos VENTIKOS

Associate Professor
Laboratory for Maritime
Transport, School of Naval
Architecture and Marine
Engineering, **NTUA**

Dr Nikolaos P. Ventikos is an Associate Professor in the Laboratory for Maritime Transport of the School of Naval Architecture and Marine Engineering at the National Technical University of Athens (NTUA), Greece. He is the head of the Maritime Risk Group (MRG). Dr Ventikos's expertise lies with marine safety; risk engineering; autonomous shipping and maritime operations; (oil) marine pollution; human factors; resilience engineering; crew centered design; salvage engineering; lifecycle analysis and design; port operations; ship recycling; maritime sustainability; blue growth, and statistical/probabilistic modelling. Dr Ventikos has published his work in many peer reviewed journals and to more than 120 conferences and symposia.



George LYKOS

Commander Engineer,
Hellenic Navy
Research Engineer, **NTUA**

Mr. Lykos is a PhD Candidate and a Research Engineer in the Laboratory for Maritime Transport at the School of Naval Architecture and Marine Engineering of the National Technical University of Athens (NTUA), Greece. Mr. Lykos's expertise is in marine safety and security, risk engineering, human reliability, marine casualty investigation, naval design, resilience engineering and firefighting. Mr. Lykos holds Master in Science in "Human Resources Management" from Athens University of Economy and Business and Master in Science in "Nautical and Sea Technology and Science" from NTUA. He is a senior trainer and a developer for DNV academy and for VENLYS maritime specialization services.



David PATRAIKO, MBA, FNI

Director of Projects
The Nautical Institute

As Director of Projects and Head of Research and Relationship for the NI, David oversees much of the Institute's work on technical and training issues, and how these convert into Professional Development for individuals and the development of best practices in the industry. In addition to many of the NI's projects he manages the NI's Mariners' Alerting and Reporting Scheme (MARS). He is a regular contributor to the NI's publications, and represents the NI with international organisations such as the IMO and IALA. He is currently the Chair of the Green Award Board of Experts. David spent 20 years at sea on a range of vessels on a global basis and is a Master Mariner.



Panagiotis PANAGIOTAKOPOULOS

Training Manager
SPRINGFIELD SHIPPING Co.
PANAMA S.A.

Capt. Panagiotakopoulos is an ex Hellenic Navy officer (Captain) and holds an MBA on Financial Management from Naval Postgraduate School of Monterey Ca. He served as a Commanding Officer of a submarine and in multiple national and multinational positions as Department Head and as Coordinator of Naval Education in the Hellenic Naval Academy. Now he is Training Manager of **SPRINGFIELD SHIPPING Co. PANAMA S.A.**



Constantinos MOUTZOUVIS

Hellenic Coast Guard Officer
Director, **HBMCI**

Mr. Moutzouvis is a Captain of the Hellenic Coast Guard, which he joined in 1999. He has graduated the Merchant Marine Academy in 1994 and has served as a Safety and Duty Officer on Oil Tankers. He has also attended a Master degree course in Transports & International Trade at Aegean University/ Department of Shipping Business Administration and the Hellenic Coast Guard course on Port State Control Inspections. From 2016 to 2018, Mr. Moutzouvis was positioned as the Maritime Affairs Attaché of the Ministry of Shipping and Insular Policy, in Shanghai China and in 2018 he appointed as the Director of the Hellenic Bureau for Marine Casualties Investigation (HBMCI). He has participated, as national correspondent in several EU Member States' technical working groups and in the Group of Experts on "Fire on ROPAX", established by EMSA in 2014.



Ignatios NIKOLAOU

Hellenic Coast Guard Officer
Marine Casualties Investigator
Head of Dept. of Research,
Applications and Statistical
Analysis, **HBMCI**

Mr. Nikolaou is currently a Commander of the Hellenic Coast Guard. His educational background is in Mechanical Engineering and he holds 2 MSc in "Mechanics Engineering" and "Environment and Development" at NTUA. In 2003, he joined the Hellenic Coast Guard as an officer and has served for a number of years, among other, as Flag State Surveyor, Environmental Protection Officer and Legal Prosecution Officer. He joined HBMCI in 2012 and in 2015 he succeeded in getting the position of National Expert seconded at EMSA. He returned to HBMCI in 2018 and since then his expertise focusses on accident investigation and training and is a main contributor for various safety studies published by EMSA and HBMCI.

Webinar Learning Objectives | Outline

Risk-based approach for safe planning and conduct of SIMOPS and other hazardous activities on board

The topic will include two presentations about "Risk Management for Hazardous Activities on board" and "Safe Planning and Conducting SIMOPS on board".

Learning objectives:

- Become familiar with the terms: Risk, Risk Management & SIMOPS

The theory of risk management in plain terms for maritime professionals

This part of the seminar focuses on the origins and practical explanation of risk analysis and risk assessment; elements of risk analysis are presented and discussed so that the objectives and usefulness of this approach is well defined. The presentation gives some background on the development of risk theory and analysis, depicts how maritime risk analysis is being dealt with at the International Maritime Organisation and on the day-to-day operations of ships and it discusses a practical example. In effect, the aim is for the attendee to further understand, why and how risk analysis is being employed in the maritime industry.

Situational awareness and weak signals

Participants will become familiar with the fundamentals principles of Situational Awareness (SA) and Weak Signals (WS) on board. SA is a term used in the maritime industry to describe the cognitive skills that involve selection and comprehension of information from the world around us to make sense of our work environment. Problems relating to SA are commonly attributed as causes of incidents in dynamic task settings such as navigating, problem solving, troubleshooting, firefighting and almost every task on board. A WS is the first indicator of a change or an emerging issue that may become significant in the future. Participants will understand the correlation between SA and WS and the risk of impaired SA on board and how to develop and maintain acceptable levels of SA to be able to respond on WS.

Scope of the course is to introduce participants with the following SA and WS related modules:

1. Defining SA and WS in the maritime environment
2. Correlation of SA - WS and Safety
3. Development and maintaining of SA and alertness to WS
4. Analysis of the three-level model of SA
5. Human limitations in SA
6. Factors that affect SA and the human capacity to respond on WS

Maritime global safety trends

The Nautical Institute established the Mariners' Alerting and Reporting Scheme (MARS) in 1992 as a platform for mariners to share 'lessons learned' with other mariners in a Confidential (but not anonymous) format. In this presentation David Patraiko will reflect on some of the key issues over the decades and what has (and has not) changed over the last 30 years.

Incident reporting and investigation in practice for maritime professionals

The course provides useful insight on incident investigation with practical approach regarding incident management, incident reporting and good practices for an effective planning of an investigation.

The course is aiming to strengthen the skills of Company's personnel enabling them to carry out an effective incident investigation.

Experience-sharing from marine casualty investigations

Learning objectives:

- Introduction in the basics of marine safety investigations
- Lessons learnt from real case studies

The presentations' content:

- HBMCI's role within the International, European and National legislative provisions for marine safety investigations
- Process of a safety investigation
- Case study 1: collision between two cargo vessels in the open sea
- Case study 2: fire in the cargo space (car deck) of a Ro-Pax vessel

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