

PROGRAMME

**Europe & Africa Regional Marine Forum
(EARMF 1)**



18 June 2018 – Evening Reception

19 June 2018 – Regional Marine Forum

**Parco dei Principi Grand Hotel & SPA
Via G. Frescobaldi, 5, 00198 Rome, Italy**

A Voice for Safety

Oil Companies International Marine Forum

EUROPE & AFRICA REGIONAL MARINE FORUM

18th June 2018

OCIMF Evening Reception 1800 – 2000

19th June 2018

Registration 0815-0900

I. Introduction and Welcome

0900-0930

- **RMF Welcome** – *Sam Thompson, BP (Europe/Africa Regional Marine Forum Champion)*
Faisal Rashid, Technical Adviser (Offshore) - OCIMF
- **Director's Welcome** – *Rob Drysdale, Director - OCIMF*

II. Mooring Equipment Guidelines (MEG) and FPSOs

0930 – 1045

- **MAIB investigation: Failure of an HMPE mooring line on board LNG carrier Zarga** –
Howard Flegg, MAIB
 - A high modulus synthetic fibre mooring rope parted causing severe head injuries to a crewman. The investigation identified safety issues in mooring deck design; the mooring lines were unsuitable, and the rope degradation and failure modes were not fully understood.
- **MEG4 Overview and Update** –
Andrew Dogherty, MEG4 Steering Group Chairman
 - The 4th Edition of the Mooring Equipment Guidelines (MEG) is due for release this summer. This presentation will provide an overview on the background to this revision, and an update of the key issues addressed.
- **Cargo Guidelines for F(P)SOs Vs. ISGOTT** –
Sebastian Gerrits, SBM Offshore
 - Fundamental differences exist between the operation of an F(P)SO and a tanker. Existing industry guidance for conventional tankers, like ISGOTT, is not always suitable for F(P)SOs because it does not address the safe management of the concurrent activities undertaken by F(P)SOs. This presentation aims to highlight these issues.

1045 – 1100 Coffee Break – 15mins

III. OCIMF Programmes (MTIS, SIRE, OVID) and Guidelines for Offshore Tanker Operations

1100 – 1230

- **Guidelines for Offshore Tanker Operations** –
Hielke Brugts, Bluewater
 - A presentation of the guidelines which aim to familiarise all stakeholders with the general principles and equipment involved in offshore cargo transfer operations. The focus of this new publication is on the safe management of the interface between offshore terminals and offtake tankers.

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- **Introduction to Marine Terminal Inspection System (MTIS) –**

Salvatore Bianca, Eni

- OCIMF has developed the MTIS system with the aim of filling the gaps that exist in the international standards for terminals, improving safety, reliability, efficiency and Environmental protection. MTIS aims to help marine terminal operators ensure continuous improvement of their operational standards.

- **SIRE and OVID –**

Patrick McGrogan, Compliance Manager OCIMF

- Update on SIRE & OVID usage and statistics, status of changes to SIRE VIQ 7, and TMSA & OVMSA usage statistics.

- **Ship Operator views of Vetting and SIRE –**

Stefanos K. Stylianos, Minerva Marine Inc.

- Vetting, our “ticket to trade” - A discussion on the challenges that ship operators face and some insights on the divergent views and interests between the commercial and technical sectors of our industry. An outlook on how SIRE has contributed in raising safety in the tanker industry, the current status and future expectations.

1230 – 1330 Lunch Break – 1 hour

IV. Best Practice and Lessons Learned

1330– 1515

- **Demystifying Safety Culture: Making it Real, Engaging and Impactful –**

James Pomeroy, LR

- How to change safety culture within global organisations. Using practical examples, the presentation will overview how the concept of safety culture has developed, and examine some of the challenges, opportunities and successes in making and sustaining real change.

- **Tanker Damage Stability Regulations Guidelines and Interpretations –**

Luca Letizia, Herbert Engineering Corp.

- The presentation aims to highlight some of the issues arising from the application of the current regulatory regime on tanker damage stability and to suggest additions and corrections to the IMO guidelines to obviate to such issues.

- **Eni emergency preparedness and response in the Mediterranean Sea –**

Francesca Polla Mattiot, Eni

- Oil spill preparedness and response at headquarters will be presented with special focus to: procedures, tools, exercises, offshore response kit and coastal resources whilst supporting emergency response operated by the Administration.

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- **Safety and Management of Migrants in the Mediterranean –**

Rear Admiral (ITCG) Luigi Giardino & Captain (ITCG) Sergio Liardo, Italian Coast Guard

- The Italian Coast Guard has been appointed for the search and rescue organization in the assigned SAR Region the extension of which is well beyond its territorial waters. The SAR activity related to the migrant's flow by sea – managed by criminal organizations and which do not find legal access to Italy and European Countries – go beyond the mere SAR rules because of several elements that will be illustrated during the Forum for a better and more detailed comprehension.

1515 – 1530 Coffee Break – 15mins

V. OCIMF Updates

1530 – 1730

- **Changes to OCIMF Programmes – GDPR & the Sanctions Framework –**

Philip Pascoe, General Counsel - OCIMF

- Update on some changes to OCIMF Programmes caused by GDPR and the introduction of the OCIMF Sanctions Framework.

- **ISGOTT Updates –**

Andrew Dogherty, ISGOTT Project Adviser

- The current International Safety Guide for Oil Tankers and Terminals (ISGOTT) 5th Edition was released in 2006. This presentation will provide a status review on the industry project to update and enhance this edition with an ISGOTT6.

- **OCIMF & INTERTANKO Joint Safety Initiative –**

Dr Phillip Belcher, INTERTANKO

- Discussion on the safety initiative undertaken by OCIMF and INTERTANKO to enhance safety in the tanker industry by sharing of incidents and assessing behavioural competency.

- **Publications –**

Faisal Rashid, Technical Adviser (Offshore) - OCIMF

- This presentation will briefly cover recently published books and information papers and will look at publications planned for 2018.

- **Meeting wrap-up – Rob Drysdale, Director - OCIMF**

Faisal Rashid, Technical Adviser (Offshore) – OCIMF

Sam Thompson, BP (Europe/Africa Regional Marine Forum Champion)

- Additional questions taken from audience, thanks for attendance, and wrap-up and closing of conference.

Regional Marine Forums

For any queries, please contact regionalmarineforums@ocimf.org



Join OCIMF at your local Regional Marine Forum

What is OCIMF?

The Oil Companies International Marine Forum (OCIMF) is a voluntary association of oil companies (the 'members') who have an interest in the shipment and terminalling of crude oil, oil products, petrochemicals and gas.

OCIMF was formed in April 1970 in response to the growing public concern about marine pollution, particularly by oil, after the Torrey Canyon incident in 1967. Today, OCIMF is widely recognised as the voice for safety of the oil shipping industry. Its mission is to be the foremost authority on the safe and environmentally responsible operation of oil tankers, terminals and offshore support vessels, promoting continuous improvement in standards of design and operation.

To support this mission, OCIMF creates publications and programmes, including:

Publications

- *Mooring Equipment Guidelines (MEG)*.
- *International Safety Guide for Oil Tankers and Terminals (ISGOTT)*.

Programmes

- Ship Inspection Report Programme (SIRE), including the Tanker Management and Self Assessment (TMSA).
- Marine Terminal Inspection System (MTIS).
- Offshore Vessel Inspection Database (OVID).

OCIMF also maintains a strong relationship with the International Maritime Organization (IMO) and sends a representative to every IMO meeting that concerns safety and the environment as it related to tanker operations.

www.ocimf.org

What is an OCIMF Regional Marine Forum?

Each forum consists of a one-day panel of talks and an evening reception. The aim is to give OCIMF members and industry representatives the opportunity to:

- Learn about OCIMF, current work in progress and issues affecting safety and the environment.
- Tell OCIMF and each other about important issues in the region.

OCIMF tries to link the Regional Marine Forum to a bigger industry event, to make the most of people's time and travel budgets. The Regional Marine Forums move around each region every year, e.g. the North America Regional Marine Forum was in Tampa, Florida in 2017 and in Stamford, Connecticut in 2018.





Where do the OCIMF Regional Marine Forums take place?

The five regions are:

- North America.
- South and Central America.
- Europe and Africa.
- Middle East.
- Asia Pacific.

When and where is the OCIMF Europe and Africa Regional Marine Forum in 2018?

An evening reception will be held on 18 June at 1800–2000, before the main forum on 19 June, at the Parco dei Principi Grand Hotel and Spa, Via G. Frescobaldi, 5, 00198 Rome, Italy.

The forum coincides with INTERTANKO's 2018 Annual Tanker Event (18–22 June), which is at the same hotel.

What will happen at the forum?

The Regional Marine Champion Sam Thompson (BP) and Technical Adviser Faisal Rashid (OCIMF) will welcome guests before the OCIMF Secretariat and invited speakers give 15-minute presentations on current OCIMF work and issues affecting safety and the environment in the tanker industry. There will be two morning sessions and two afternoon sessions and guests will have an opportunity to ask questions after each session.

I am interested in attending. How can I join?

Contact regionalmarineforums@ocimf.org or register your interest via the OCIMF website www.ocimf.org/organisation/regional-marine-forums.



Europe & Africa Regional Marine Forum (EARMF 1)

Speakers

Rob Drysdale	Director, OCIMF
Faisal Rashid	Technical Adviser – Offshore, OCIMF
Samuel Thompson	Naval Architect, BP Shipping (Europe & Africa Regional Marine Forum - Regional Champion, OCIMF)
Philip Pascoe	General Counsel, OCIMF
Patrick McGroggan	Compliance Manager (SIRE & OVID), OCIMF
Andrew Dogherty	ISGOTT Project Adviser, OCIMF (MEG4 Steering Group Chairman)
Howard Flegg	Inspector of Marine Accidents, Marine Accident Investigation Branch (MAIB)
Sebastian Gerrits	Fleet Marine Superintendent SBM Offshore
Hielke Brugts	Operations Support Manager, Bluewater
Capt. Salvatore Bianca	Global Marine Assurance / Vetting , ENI
Stefanos Stylianos	Safety, Quality & Marine Manager / DPA, Minerva Marine Inc.
James Pomeroy	Group Health, Safety, Environment and Security, Lloyd's Register
Dr. Luca Letizia	Managing Director, Herbert Engineering Europe (UK) Ltd.
Francesca Polla Mattiot	Manager, Major Emergencies - HSEQ department, ENI
RAdm. (ITCG) Luigi Giardino	Head of Safety of Navigation Department, Italian Coast Guard
Capt. (ITCG) Sergio Liardo	Head of the 3rd "Plans and Operations" Department, Italian Coast Guard
Dr. Phillip Belcher	Marine Director, INTERTANKO

Europe & Africa Regional Marine Forum (EARMF 1)

Biographies



Rob Drysdale
Director, OCIMF

Rob began his career in the marine industry as a Technician Apprentice for the UK MOD at Rosyth Dockyard. Subsequently he attended Glasgow University, where he graduated in 1985 with a degree in Naval Architecture and Ocean Engineering joining Lloyd's Register as a Marine Surveyor. In 1992, he moved to Mobil Shipping Company Limited and held a number of positions within that organisation including Fleet Operations Superintendent.

In 2000, as part of the ExxonMobil merger, Rob transitioned to IMT where he led their Nautical and Technical Services team, providing support for the fleet and into Upstream Marine Projects. Following this assignment, he was appointed Project Manager, ExxonMobil Development Company, where he was responsible for the development, construction and installation of the Banyu Urip offshore facility.

In 2010, Rob commenced a commercial leadership role in ExxonMobil's chartering affiliate as Manager, Marine Transportation Optimization, Europe Africa and Middle East.

In his most recent role as Manager, Global Field Engineering & Logistics, Rob led the marine team responsible for supporting ExxonMobil's Aviation & Marine Fuels & Lubricants global function.



Faisal Rashid
Technical Adviser – Offshore, OCIMF

Faisal joins OCIMF from BP Shipping Limited, where he started in vetting and clearance before moving on to work in marine offshore support. In this later role he provided marine risk management advice and support to upstream marine operations. This included identifying and assessing marine risk as well as recommending mitigation initiatives for all marine operations involving offshore support vessels. He has led vessel owner and third-party contractor assessments around the globe and provided valuable support to upstream, in particular with his deep expertise in FPSO and shuttle tanker operations.

Before joining BP, Faisal sailed as a Master with Shell. He then worked ashore for Shell in a number of roles, first as Marine Operations Superintendent then as Marine Assessor, where he carried out SIRE and OVID inspections of numerous vessel types. As Marine Operations Manager Upstream, he was the marine focal point for offshore operations in the North Sea. Faisal's last role at Shell was as Offshore Installation Manager on Shell's FPSOs.

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Faisal has an MSc in Marine Operations and is currently studying for an MBA in Shipping and Logistics. He is a Specialist Fellow of the International Institute of Risk and Safety Management (SFIRMS) and Associate Fellow of the Nautical Institute (AFNI). Faisal was awarded the Member of the British Empire (MBE) in 2014 for his community services in the United Kingdom.

While serving as Technical Advisor (Offshore) Faisal's goal is to continue to promote OCIMF's mission as it pertains to the offshore marine industry, to support and improve upon the OVID system and to improve standards in the offshore industry.



Samuel Thompson
Naval Architect, BP Shipping
(Europe & Africa Regional Marine Forum - Regional Champion, OCIMF)

Sam Thompson graduated with a Masters of Engineering in Naval Architecture from the University of Southampton. He joined BP Shipping in 2010 as part of their graduate development program. Throughout this program Sam worked in operational and technical teams of an oil major's shipping arm. The program also included a secondment into Lloyd's Register (Rotterdam office) working in design appraisal, statutory approvals, new construction and existing ships surveying.

In 2012 Sam moved to the BP Upstream Global Project Organisation as Naval Architect on Q204 FPSO Project based in HHI Offshore Shipyard in Ulsan, Korea. Working within the engineering team initially as a package engineer for marine systems and providing support to structural plan approval. By 2014 he was the only permanent Naval Architect onsite delivering Naval Architecture support for all aspects of the hull system including managing the structural integrity. In delivery of this work he supported all other disciplines including construction, QA/QC, commissioning and operations.

In 2015 Sam returned to BP Shipping to work in their Engineering Team. In this role he provides engineering support to BP Shipping and marine assurance to BP Upstream. He has supported BP Shipping Projects as Naval Architect for construction of 6 new 173,400m³ MEGI LNG carriers and conducts structural assurance activities for the vetting/screening of 3rd party vessels. He also develops BP Shipping Design & Construction standards and provides on-call support for emergencies/incidents.

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Philip Pascoe
General Counsel, OCIMF

Philip Pascoe joined OCIMF as the General Counsel in April 2007. Philip spent 10 years in the Royal Navy as a Seaman Officer where he specialised as a Hydrographic Surveyor. He served in many parts of the world including spending a year working with the United Nations in Cambodia.

After leaving the Royal Navy, Philip completed a Master of Science Degree in International Transport at the University of Wales College of Cardiff. He studied law attending the College of Law in Guildford. Philip qualified as a Solicitor in 1998 at the maritime law firm Constant & Constant in London. During his time in private legal practice he experienced a broad range of wet, dry, ship building and trade disputes. Philip left Constant & Constant as a salaried partner to join OCIMF.



Patrick McGroggan
Compliance Manager (SIRE & OVID), OCIMF

Patrick joins us from ConocoPhillips where he was working within a joint industry project to enhance industry subsea well containment response capabilities. Following more than 20 years sailing on oil tankers, breakbulk, bulkers, RORO and survey vessels, of which 8 years as Master with Maersk Line Ltd on their US oil tanker fleet, Patrick joined ConocoPhillips ashore. In his first role he was Marine Terminal Adviser - Vetting in the ConocoPhillips Marine Risk Management team where he provided suitability guidance on tank vessels, barges and terminals, as well as acting as a SIRE inspector and quality assurance auditor. In his current role, Patrick has established 8 shore-based locations for emergency response equipment in 6 countries and has authored and contributed to the first set of industry guidelines for subsea well containment on industry areas extending across mutual aid, SIMOPS, response vessel selection and emergency mobilization logistics including air freight. Patrick is a graduate of the United States Merchant Marine Academy, Kings Point, where he received a Bachelor of Science degree in Marine Transportation.

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Andrew Dogherty
ISGOTT Project Adviser, OCIMF
(MEG4 Steering Group Chairman)

Andrew Dogherty began his marine career in 1975 with Houlder Brothers (Furness Withy Group) where he served on a variety of ship types including dry and bulk cargo, and oil, gas and chemical tankers. In 1980 Andrew turned his focus fully to the tanker sector and joined Esso Marine UK, where he remained in Exxon and ExxonMobil affiliates (including International Marine Transportation IMT) for 33 years working in a diverse range of marine related job roles and assignments covering all aspects of the marine business.

As a Master Mariner, Andrew's career has seen him undertake activities representative of the whole industry including; ship and terminal operations, marine quality assurance (tanker, terminal and OSV), HSE, and nautical and marine technical support to various oil and gas projects. His last role in ExxonMobil was as Manager of the Technical and Nautical Services Group in IMT overseeing a team of marine specialists supporting their global marine business.

Following a reorganisation in IMT, Andrew moved to BG Group in 2014 where he undertook the role of Director, Maritime Effectiveness overseeing the development and implementation of marine policies, procedures and practices. Andrew left BG in 2016 following the Shell acquisition.

Throughout his career Andrew has maintained a passion for ensuring the maritime industry (particularly the tanker and terminal sector) benefit from continuous improvement. To further this objective, on his departure from BG Group he chose to establish himself as a maritime consultant providing support to OCIMF leveraging from his 15+ years of engagement with industry associations. This experience included 4 years working in the OCIMF Secretariat (2002-06) where he achieved the position of Deputy Director, as well as time as OCIMF Ports & Terminals Committee Chairman (2008-13), Champion of the OCIMF ERP (2014-16), Chairman of the MEG4 revision Steering Group and now ISGOTT Project Adviser.

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Howard Flegg

Inspector of Marine Accidents, Marine Accident Investigation Branch (MAIB)

Howard Flegg Howard Flegg has been an Inspector of Marine Accidents with the UK Marine Accident Investigation Branch (MAIB) for 16 years. The MAIB is an independent part of the UK Department for Transport.

Howard obtained his Bachelor of Engineering degree in Marine Engineering at Newcastle University in 2002 after a 17-year career in the merchant navy. During that time, he sailed on a wide variety of vessel types worldwide giving him an insight in to the diverse nature of the industry. This insight has contributed to his work at MAIB in understanding the complex nature of accidents and the benefits of no-blame safety investigations. Howard has been the lead investigator in a number of accident investigations that have resulted in his involvement in working groups for regulatory changes at national and international level.

Between 2007 and 2009, he was a Seconded National Expert to the European Maritime Safety Agency (EMSA) to provide technical guidance and assist in the development of the EU Accident Investigation Directive. During his secondment he took a lead role in developing the common methodology for investigating marine casualties in support of the Directive; developed the first EMSA accident investigation training course and initiated an investigation guidance manual.



Sebastian Gerrits

Fleet Marine Superintendent SBM Offshore

Sebastian graduated from the Nautical College in Amsterdam as an integrated maritime officer. After his apprenticeship he continued his sailing career with Shell on the crude carriers and the crude/product carriers. His competency as Ship Manager (Master/Chief Engineer) he obtained on chemical/product carriers after he switched companies.

With the career change to join Bluewater he moved into the offshore industry where he became involved with FPSOs and their operations. Amongst other marine operations, the tandem offload operations to dynamic positioned shuttle tankers operating in the North Sea and South Africa, as well as the tandem offloading to conventional tankers in the South China Sea became part of his work.

After nearly 10 years with Bluewater he moved to Brazil where he joined BG Brasil. In Brazil Sebastian became involved in the design and start-up of a new generation DP2 classed shuttle tankers designed for both load and discharge operations over the bow, direct export operations to South American countries and STS operations in Uruguay. The latter from DP2 shuttle tankers to exporting conventional tankers.

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When he repositioned to Europe he joined SBM Offshore where operations on the West Coast of Africa, different regions in Asia, the Gulf of Mexico and recently Guyana were added to the list of countries where he became involved with the FPSO's cargo and marine operations, including the tandem offload and export operations.



Hielke Brugts
Operations Support Manager, Bluewater

Hielke Brugts' present position is Operations Support Manager in Bluewater and has been with them since 1996. He is responsible for the operations readiness of FPSO projects. Bluewater owns and operates a fleet of FPSOs.

Prior to working for Bluewater he spent 17 years of his life at sea: 10 years with Shell Tankers as deck and engineer officer on trading Shell tankers and 7 years with Workships as a dynamic positioning (DP) operator and master on offshore DP construction, dive support and drilling vessels.

Since 1998 he actively contributes to the Oil Companies International Marine Forum (OCIMF) and was a member/chairman of working groups developing FPSO related guidelines.

He studied at Nautical College in Flushing, the Netherlands and obtained his Master Mariner's license all ships and Engineer Officer License.



Capt. Salvatore Bianca
Global Marine Assurance / Vetting, ENI

Captain Bianca graduated from Syracuse Maritime Nautical Institute in 1975, he started his carrier in the marine industry as Officer, where he worked for over eight years aboard ocean-going tankers, carrying crude oils and chemical, including general cargo and supply vessel and then developing in the role of a Master.

Salvatore transitioned ashore in Eni' up-stream in 1985, initially working as a member of oil supply division, based in Rome, supporting the "Oils Controls Operations System" of Eni' domestic Refineries, as expert team coordinator. Following the 1987, he was appointed for Milazzo & Southern Refineries as regional manager, covering off-shore (Nilde-Vega FPSO) and on-shore terminals interface operations controls, involving supply activities of crude oils and other imported commodities.

Five years later, in 1992, following the transition of supply activities to Eni' Refining & Marketing Division, as team leader of "Crude Oils Operation Controls" and tanker vessels expertise, he started to support the development of Eni' Vetting activities, involving all types of tankers, with thousands of ship's inspections followed.

Europe & Africa Regional Marine Forum (EARMF 1)

In the 1999, he was accredited SIRE Inspector for Oil, Chemicals & Gas vessels, category 1, following the inspection activity over the past years belongs Eni Trading & Shipping - Midstream Division, involving also the activity of ship's Operator management review (TMSA- Audit) and incidents investigation analysis review.

Salvatore was attending as Eni representative the OCIMF - Ports & Terminals Committee and Marine Terminals SG/FG, over the last ten years.

His team works with marine terminals operations and engineering experts have contribute for the creation of OCIMF important documents as MTMSA, MTOTC, ROCTMAE, MLA & MEG4, giving significantly assistance to Eni' Global Marine Terminals Operators to assess their management system and standards implementation.



Stefanos Stylianos
Safety, Quality & Marine Manager / DPA, Minerva Marine Inc.

Stefanos Stylianos joined Minerva Marine, currently managing a fleet of 64 modern oil tankers and 5 bulk carriers, in August 2017 as DPA and Manager of SQ and Marine departments. He is proud to be a member of maritime working groups promoting maritime safety and best practices including ITOSF, founding member of Hellenic Maritime HSQE forum and is currently the Vice Chairman of the Vetting Committee of INTERTANKO.

Stefanos started his career with the American Bureau of Shipping in London as a plan approval engineer then as field surveyor in Athens and Dubai specializing in tankers, covering all aspects of Classification. Later joined Shell in their Quality Assurance headquarters in London where he gained unique experience in cultivating advanced safety culture and auditing skills with extensive exposure to global shipping operators.

Following 14 years in Governance, he moved to Greece in 2010 joining a traditional Ship Operator, Andriaki Shipping as Vetting & Compliance Manager before joining Minerva Marine Inc.

Stefanos holds a Master's degree from Newcastle University in Marine Technology and a Bachelor of Science degree from University College London in Naval Architecture and Ocean Engineering.

Europe & Africa Regional Marine Forum (EARMF 1)



James Pomeroy

Group Health, Safety, Environment and Security, Lloyd's Register

James Pomeroy is the Group Health, Safety, Environment and Security (HSES) Director for Lloyd's Register. An engineer by training, James has been involved in leading global HSES programmes for over 25 years. His HSE experience covers a variety of sectors including heavy manufacturing, petroleum, construction and transportation.

His focus is on making safety simple, risk-focused and engaging. James holds MSc in HSE management, an LLM in environmental law and a MBA in sustainable development.



Dr. Luca Letizia

Managing Director, Herbert Engineering Europe (UK) Ltd.

Dr Letizia joined Herbert Engineering Corp. (HEC) in April 2004 and worked in its Alameda office as a Senior Engineer until 2008, when he was asked to create the company's European branch office, Herbert Engineering Europe (UK) Ltd. (HEE). Dr Letizia has been HEE's Managing Director since. The bulk of Dr Letizia technical knowledge lies in the fields of naval architecture, ship safety and stability, hydrodynamics, and risk assessment.

Between 1999 and 2004, Dr Letizia worked at Safety-at-Sea Ltd. as Technical Manager, responsible for a number of engineering consulting projects, and for the coordination of two large EU-funded research programs. In this role, he was in charge of a team of eight naval architects, responsible for all technical aspects of the business and reporting directly to the board.

Prior to joining Safety at Sea, Dr Letizia worked as a consultant in the field of fluid mechanics at WS Atkins Science and Technology and RINA, following a few years as a researcher at the University of Strathclyde.

Europe & Africa Regional Marine Forum (EARMF 1)



Francesca Polla Mattiot
Manager, Major Emergencies - HSEQ department, ENI

Francesca joins Eni HSE (Health, Safety & Environment) corporate department, emergencies unit, in 2003 after more than ten years spent in Enitecnologie as researcher and environmental model specialist, where she gained special experience to simulate the evolution of spills of petroleum products at sea. In her role for Eni Major Emergencies unit (Manager) she deepens the issues related to naval accidents with spills of petroleum and chemical products at sea, and she participates in international working Groups on the topic (IPIECA-OSWG, IMO-MEPC). Recently, also as representative of Eni and Federchimica (Italian Association of Chemical companies), she participates in the drafting of guidelines for assistance in the Mediterranean in case of spills, just issued by REMPEC (Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea).

From 2007 to 2010, she manages an Eni-SAIPEM project, shared with the REMPEC, on risk analysis of spills occurring along marine routes and at maritime terminals of the Mediterranean. The project results have been implemented in a Web cartographic system for the maritime safety of the Mediterranean (MEDESS-4MS). Similarly, from 2015 she coordinated a multidisciplinary team to carry out a study of the areas crossed by pipelines. Scope of the project was to describe the hydrogeological and environmental sensitivity characteristics of such areas, to prepare intervention cards for the management of a possible emergency and to enrich the Eni Web GIS proprietary cartographic system 3Ter Advanced. This application is the Common operating Picture (COP) during emergencies; Francesca is the process owner of the application and was a key user for the development.

She coordinates the complex exercises that Eni organizes with the Business Units each year with the participation of international Administration (eg RAMOGE in the Mediterranean Sea) in case of multinational exercises.

Francesca Polla Mattiot is the Eni's representative in the Operational Committee of Italian Civil protection Department since 2009 for management of national emergencies, where Eni provides information about the state of production (assets) and distribution (depots, tankers, trucks etc) of fuels during emergencies. She is also the Eni representative for the Tsunami Early Warning in the Mediterranean basin.

Finally Francesca is an internal trainer in Eni Faculty.

Europe & Africa Regional Marine Forum (EARMF 1)



RAdm. Luigi Giardino

Head of Safety of Navigation Department, Italian Coast Guard

R. Adm. Luigi Giardino was born in Sant'Agnetto (Naples), a small village in the Sorrento coast in 1958.

After graduation at the Nautical Technical Institute "Nino Bixio" in Piano di Sorrento in 1977 (Naples), he worked as ship deck officer and finally he joined the Italian Coast Guard as Officer in 1983 where he fulfilled various positions:

- Flag state, PSC Officer and Technical Department at Trieste Harbour Master (1984 – 1992);
- Commanding Officer at Caorle Harbour Master (1992 – 1995);
- Chief of the Technical & Safety Navigation Department -Trieste Harbour Master (1992 – 2006);
- Chief of the ITCG Training Center on Safety of Navigation and Maritime Security in Genoa (2006 – 2009);
- Chief of Flag State Branch – Safety Navigation department at the Italian Coast Guard Headquarters (2009 – 2014);
- Chief of International & National Legislation - Safety Navigation Department at Italian Coast Guard Headquarters (2014 – 2015).

He holds qualifications of Flag State Surveyor - Port State Control Officer - Duly Authorized Officer – ISM Lead Auditor –Marine Safety Officer at USCG Yorktown - ILO facilitator at ITC/ILO Turin.

In September 2015 he was appointed as Head of Safety of Navigation Department of ITCG Headquarters.

He leads the Italian Delegation at IMO, also in support of PermRep and Italian Delegation on Safety Navigation issues in Bruxelles.

Europe & Africa Regional Marine Forum (EARMF 1)



Capt. (ITCG) Sergio Liardo
Head of the 3rd "Plans and Operations" Department, Italian Coast Guard

Born in Catania (Italy) on 19 October 1961, Captain Sergio Liardo after scientific maturity and degree in Geological Sciences, he attended the 76th Course for Complementary Cadets Officers in Italian Naval Academy in Leghorn, subsequently lending service (in the rank of Ensign) in the Port Authority of Salerno. In August 1988 he was appointed Lieutenant junior grade after the public contest for the entry into the "normal roles" of the Italian Coast Guard.

In October 1989 was allowed to take part in the "pre-flight" course preparatory to the next pilot course in the USA. He finished such course in September 1991 achieving the golden wings. At Catania Air Base, he obtained the qualification of "second pilot" on the aircraft Piaggio "P166DL3-SEM", taking part to numerous rescue and maritime police operations; in the same time lapse, he was also the Head of Section "Navigation and TLC".

In October 1993 he was promoted Lieutenant and in July 1995 transferred to Agropoli (SA), as Head of the Maritime District and Commander of the port.

Completed the command, he went back to Catania Air Base being in charge, in a first time, of the Office "Training" and, subsequently his promotion to Lieutenant Commander in June 1997, as second in command.

In 1997 he also obtained the position of Crew Chief on the aircraft Piaggio P166DL3-SEM.

In the academic year 1999-2000 he attended the Institute of Military Strategic Studies of the Navy (Venice). In the academic year 2001-2002 he attends, at the Center for High Defense Studies, the 4th Advanced Course of Combined Staff, obtaining, in addition to the title "ISSMI", also a Master's degree in "Strategic-Military International Studies" issued by the same Center, jointly with the University of Milan and the LUISS "Guido Carli" of Rome.

Returned in Catania he continued to hold the position of second command until February 2005. From February 28th 2005 to October 2nd 2009 he was the Chief of the Catania Air Base: in such period there was a strong expansion of the flight activities of the air component of the Italian Coast Guard.

In the same period he first obtained the qualification of "Specialty Instructor" on the P166DL3SEM aircraft and, subsequently, the qualification on the ATR42MP aircraft.

Europe & Africa Regional Marine Forum (EARMF 1)

In February 2009 he was promoted to the rank of Captain and, in the following month of October, he was assigned to the Italian Coast Guard Headquarters with the post of Head Office for Air Vehicles.

From 2011 to 2012 he was transferred to the Maritime District of Genoa with the post of Head of Operations.

Returned in Rome to Italian Coast Guard Headquarters he again holds the position of Head Office for Air Vehicles and, subsequently, that of Head of Operations.

From 2015 to January 2018, he was appointed Head of the Italian Maritime Rescue Coordination Center at the 3rd "Plans and Operations" Department.

From January 21, 2018 he holds the position of Head of the 3rd "Plans and Operations" Department.

Captain Sergio Liardo is awarded the following honors / merits:

- Gold Medal of long air navigation;
- Gold cross for seniority in military service;
- Certificate of Public Merit of the Civil Protection Department;
- Knight of Merit of the Sacred Military Constantinian Order of St. George;
- Traditional gold badge of the Air Service of the Corps of the Port Authorities;
- Ribbon of Merit for the service provided at the Central Authorities of the Navy;
- Bronze medal of long-term merit.

It has totaled over 3,000 flight hours on T34C, T44A, P166DL3 and ATR42 airplanes.



Dr Phillip Belcher
Marine Director, INTERTANKO

Phil first went to sea in 1989 and served 10 years mostly on board tankers with BP shipping. He gained a Master Mariner's certificate of competency and read for a number of degrees at Cardiff University. Consequently, he was awarded a PhD which focussed on maritime safety. Following a 5-year stint as assistant director within the Bahamas Maritime Authority he joined INTERTANKO as their marine director.

Phil's duties now include the management of the marine section which encompasses safety, security, vetting, cargoes and the human element.