ICOPCE 2019
INTERNATIONAL CHEMICAL AND OIL POLLUTION
CONFERENCE AND EXHIBITION
21 - 24 OCTOBER 2019 • ONE FARRER HOTEL, SINGAPORE

SMART TECHNOLOGIES AND INTELLIGENT OPERATIONS FOR MARINE ENVIRONMENT PROTECTION

“IT IS A VERY USEFUL EVENT AND IT PROVIDES A VERY OPEN OPPORTUNITY TO SHARE THE IDEAS OF EVERYONE”
Ahmed Shahid, Deputy Managing Director, Fuel Supplies Maldives Pvt. Ltd

INDUSTRY KEYNOTES

Jonathan Evans
Managing Director, International Marine Transportation
Singapore, Fuels and Lubricants
ExxonMobil

Ray McNamara
Vice President, Head of Shipmanagement and Technical
Teekay Tankers

E-XHIBITORS
The event is well organised. The speakers are experienced personnel who have shared their view on topics. The information that I gained would enhance my work further.

Tan Seng Huat, Principal Engineer, National Environment Agency

### A Stellar Line Up of Industry Leaders

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Organization</th>
</tr>
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<tbody>
<tr>
<td>Hirofumi Nara</td>
<td>Executive Officer, Marine and Operations Division, MOL Chemical Tankers</td>
<td>Singapore</td>
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<tr>
<td>Josée Lamoureux</td>
<td>Senior Advisor, Environmental Response, Transport Canada – Marine Safety</td>
<td>Canada</td>
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<tr>
<td>Bernard Ong</td>
<td>Director of Operations</td>
<td>Yopak Terminals</td>
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<tr>
<td>Caroline Yang</td>
<td>President, Singapore Shipping Association, Chief Executive Officer, Hong Lam Marine</td>
<td>Singapore</td>
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<tr>
<td>Denzal John Hargreaves</td>
<td>Deputy Regional Manager, Regional Production &amp; QHSE Manager, Regional Chief Surveyor, Maritime – Region Southeast Asia, Pacific &amp; India, DNV GL</td>
<td>Singapore</td>
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<tr>
<td>Steve Brown</td>
<td>Managing Director</td>
<td>Sci Aero Group, USA</td>
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<td>Regional Marine Leader – Asia</td>
<td>Marsh JLT Specialty, Hong Kong</td>
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<td>Alan Lim</td>
<td>Assistant Director, Emergency Preparedness, Maritime and Port Authority</td>
<td>Singapore</td>
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<tr>
<td>Capt. Charles Alexandar De Souza</td>
<td>Assistant Director (Operations Planning &amp; Pilotage / Marine Environment and Safety), Deputy Port Master, Maritime and Port Authority</td>
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<tr>
<td>Alex Hunt</td>
<td>Technical Team Manager</td>
<td>ITOPF, UK</td>
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<td>Capt. Raymond Peter</td>
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<td>Bernhard Schulte Shipmanagement, Singapore</td>
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<tr>
<td>Mohd Fairoz Rozali,</td>
<td>Senior Principle Assistant Director, Safety &amp; Environment Division (Policy &amp; Planning), Marine Department Malaysia, Malaysia</td>
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<tr>
<td>Brian McGregor</td>
<td>Deputy Director, Claims, The North of England P&amp;I Association</td>
<td>Singapore</td>
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<tr>
<td>Ir. Wijnand A.J. Moonen</td>
<td>Vice President, Business Development, SEA, Sky Futures</td>
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<tr>
<td>Sean Geraghty</td>
<td>Senior Claims Director and Regional Syndicate Manager, Thomas Miller (UK P&amp;I)</td>
<td>Hong Kong</td>
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<td>Tienchial Makthiengtrong</td>
<td>Executive Officer – Level 13, Laem Chabang Port, Port Authority of Singapore</td>
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<tr>
<td>Een Nuraini Saidah</td>
<td>Deputy Director, Marine Disaster Response and Underwater Work, Directorate General of Sea Transportation Indonesia</td>
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<tr>
<td>Anne Le Roux</td>
<td>Emergency Response Coordinator</td>
<td>CEDRE, France</td>
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<tr>
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<td>HARBO Technologies, Israel</td>
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<td>Dr. Kang Seong-Gil</td>
<td>Director, Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC), Korea</td>
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<tr>
<td>Mark Morrow</td>
<td>General Manager – Response, Maritime Emergency Response Commander (MERCOM), Australian Maritime Safety Authority</td>
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<td>Gard, Singapore</td>
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CONFERENCE AGENDA
MAIN CONFERENCE DAY 1
TUESDAY, 22 OCTOBER 2019

0800 Main Conference Registration & Morning Coffee
0900 Opening Address by Guest of Honour
Niam Chiang Meng, Chairman, Maritime and Port Authority of Singapore
0910 KEYNOTE ADDRESS: Pollution Prevention by Eliminating Human Error
Jonathan Evans, Managing Director, International Marine Transportation Singapore, Fuels and Lubricants, ExxonMobil, Singapore
0930 KEYNOTE ADDRESS: Forging New Pathways for Sustainable Shipping – Cultivating a Mindset of Shared Responsibilities in Spill Prevention
Ray McNamara, Vice President, Head of Shipmanagement and Technical, Teekay Tankers, Singapore
0950 Opening of Exhibition and Morning Networking Break

SMART PORTS, DIGITALISATION AND POLLUTION PREVENTION

1030 Oil Terminals and Storage Perspective: Digital Applications for Early Warning Systems, to Detect Potential Spills
- Tech-enabled emergency spill control, prevention and response
- IT and technology innovation in managing safety and potential spills
- Case study of deploying drones and Remotely Operated Vehicles (ROV) for safer inspection

Bernard Ong, Director of Operations, Vopak Terminals, Singapore

1145 PANEL DISCUSSION: Advances in Remote Sensing UAVs and AUVs for Monitoring and Responding to Oil Spills
Moderator:
Dave Rouse, Response Manager, Oil Spill Response Limited, Singapore
Panelists:
Lau Siu Li, Duty Manager, Senior Specialist, Oil Spill Response Limited, Singapore
Steve Brown, Managing Director, Sci Aero Group, USA
Wijnand A.J. Moonen, Vice President, Business Development, SEA, Sky Futures, Malaysia

1230 Networking Lunch

1330 Case Study on How Technology is Helping Response to Chemical Spills at Sea and Protection of Responders
- Use of flying drones to detect, identify and sample chemicals
- Technologies onboard ship aiming at responding in safe conditions
- Remote sensing technologies and search for floating/sunken objects
- Examples of ships from various countries

Anne Le Roux, Emergency Response Coordinator, CEDRE, France

1400 Potential Value Creation by Digitalisation of Ship’s Operational Data - in the Case of Chemical Tankers
Sanjeev Namath, Chief Business Officer, Alpha Ori Technologies, Singapore

1430 Operational Guidance on How to Improve Preparedness and Response to HNS Spills
- International technical co-operation in respect of preparedness and response to pollution incidents between France and Canada as highlighted in the Protocol on Preparedness, Response and Co-operation to Pollution incidents by Hazardous and Noxious Substances (HNS), 2000
- The purpose and the function of the Operational Guide on Accidental Water Pollution by Hazardous and Noxious Substances
- Information about the preparatory phase of an incident, the operational response phase and the post-incident phase and all of the important procedures connected with each phase

Josée Lamoureux, Senior Advisor, Environmental Response, Transport Canada – Marine Safety, Canada

1530 Oil Spill Risk Level in Northwestern Pacific and NOWPAP MERRAC’s Regional Cooperation on Marine Pollution Preparedness and Response
- Analysing the oil and HNS spill accidents occurred in the NOWPAP region
- Understanding NOWPAP Regional Oil and HNS Spill Contingency Plan
- Exploring regional cooperative activities of MERRAC on marine pollution preparedness and response

Dr. Kang Seong-Gil, Director, Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC), Korea

1600 Supporting Oil Spill Preparedness in Southeast Asia
- Recap - Global Initiative and the Global Initiative for Southeast Asia (GISEA)
- Recap - Timeline on evolution of oil spill response arrangements in Southeast Asia
- MoU on ASEAN Cooperation Mechanism on Joint Oil Spill Preparedness and Response and the ASEAN Regional Oil Spill Contingency Plan (ROSCP)
- Operationalising the ROSCP – next steps

Lee Nat Ming, GISEA Project Manager, IMO-IPIECA GISEA, Singapore

1630 PANEL DISCUSSION: Ship – Shore Interface
Best Practice for Chemical Cargo
- Strategic operational best practices during the Ship-to-Shore transfer for oil and chemical cargoes
- Chemical and oil spill management during the transfer process
- Safety practices of handling such cargoes across the whole shipping process
- Pollution prevention measures during Ship-to-Ship transfer at mid-sea

Panelists:
Capt. Raymond Peter, Managing Director, Bernhard Schulte Shipmanagement, Singapore
Capt. Vijay Ranjoo, Managing Director, MTM Shipmanagement, Singapore
Capt. Subir Bector, Regional Manager, Chevron Asia Pacific Shipping, Singapore

1715 End of Conference Day One
CONFERENCE AGENDA

WEDNESDAY, 23 OCTOBER 2019

0945 Morning Networking and Refreshment Break

1045 BUNKER OPERATORS PANEL: Preventive, Response and Punitive Measures During Bunkering
- Bunkering operations at the sea, environmentally sustainable bunker operations in Singapore waters
- STS bunker transfer and spill management
- What are the measures for emergency response and prevention of accident during bunkering operations?
- Case study on T-Fence technology on actual oil spills
- Use case studies on T-Fence technology on actual spill incidents
- Lessons learnt from recent spill deployments

1145 PANEL DISCUSSION: Regional Risk and How Government Agencies are Collaborating to Mitigate
- Regional busy trade lanes, increasing cargo volumes and safety
- Inter-government and agencies collaboration
- International cooperative agreements on oil and chemical spill regulations and standards update
- Governments and industry integration

Moderator:
- Boaz Ur, Co-Founder, Chief Executive Officer, HARBO Technologies, Israel

1230 Technical Advances in Spill Response
- Key technological advances: what have we learned in 50 years?
- Application of technology to recent spills: did it make a difference?
- Research focus: what does the future of spill response hold?
- Trends in ship-sourced spills: how can we plan better?

1330 CASE STUDY: Solomon Trader Incident Response
- Response development after bulk carrier Solomon Trader grounded due to unexpected weather front
- Addressing the challenges, securing the source, mitigating the impact in a remote island of the Solomon Islands
- Assessing the extend and specific scope for the CSR resource deployment
- Optimizing the response in a remote location and dealing with the waste resulting from a spill

Bos Wiebe, General Manager, Resolve Marine Group, Singapore

1430 PANEL DISCUSSION: Partnering with the Media for Effective Communication – In House Social and Digital Communications Strategy for Incident Management
- Strategic media and public relations and communication strategy
- Crisis management in the age of social media and digital platforms
- Media team deployment
- Best practices for before, during and after the incidents

Nicholas James Roe, Regional Director, MTI Network, Hong Kong

1515 Afternoon Networking and Refreshment Break

1615 CASE STUDY: Strategic Response on 4.600 Meters Below Surface Leaks from Grande America

Scott Ng, Senior Contract Manager, Ardent Global, Singapore

1715 Premium Trends and What to Expect in Renewal Renegotiations
- P&I results review
- What do the Clubs want?
- Unlocking data to challenge ratings

Christopher Coupland, Regional Marine Leader – Christopher Coupland, Regional Marine Leader –

Chairperson’s Summary & End of Conference Day Two

THURSDAY, 24 OCTOBER 2019

0900 - 1200 ChemSpill exercise is a real-time emergency situation exercise out at sea.

As a collaborative measure, HARBO Technologies will work together with Maritime and Port Authority of Singapore to conduct the exercise. Instead of relying on massive, bulky equipment and a large team of skilled professionals, HARBO presents a lightweight and portable system that can be deployed by just two people in less than 30 minutes, controlling oil spills right at the source. By quickly stopping the spread of oil, the T-Fence drastically reduces the consequences of oil spills.
Digitalisation, smart ports and connected ships are having a profound impact on marine operations. Keeping pace with the evolution are spill modelling and monitoring technologies, which are equipping industry with new trends.

Organised by the Maritime and Port Authority of Singapore; the International Chemical and Oil Pollution Conference and Exhibition (ICOPCE) will spotlight strategic, operational, and tactical aspects of response strategies for chemical and oil cargos, against the backdrop of new technology, its deployment and regional collaboration.

**WHO WILL YOU MEET**

**By Industry**
- Government 5%
- Ports and terminals 2%
- Bunkering 10%
- Oil and petrochemicals 5%
- Shipowners and managers 32%
- Equipment / Technology providers 7%
- Salvage and wreck 5%
- Legal 2%
- P&I 8%
- Associations 3%
- Consulting 1%

**By Region**
- Singapore 45%
- The rest of Southeast Asia 30%
- India 4%
- China 4%
- Australia and New Zealand 7%
- Middle East 2%
- Europe 7%
- Others 1%

**AGENDA AT A GLANCE**

**Pre-Conference Workshop** | Monday, 21 October 2019
- Managing Legal Liability, Claims and Compensation for Oil and Pollution Spills

**Main Conference Day 1** | Tuesday, 22 October 2019
- Smart Ports and Pollution Prevention
- Response Strategies for Chemical and Oil Cargos
- Digitalisation, Data and Spill Modelling

**Main Conference Day 2** | Wednesday, 23 October 2019
- Government Initiatives
- Strategic Response Planning
- Bunker operators’ panel
- UAVs and AUVs for Monitoring and Responding to Oil Spills
- Supporting Oil Spill Preparedness in Southeast Asia

**Post-Conference ChemSpill Exercise** | Thursday, 24 October 2019
- Cross border team and infrastructure mobilization
- Case Studies: Solomon Trader and Grande America

**WHY EXHIBIT**

Organised by the Maritime and Port Authority of Singapore (MPA)
Government led event, gain exposure in industry trends, and see how the region is collaborating

Showcase Technology Solutions
Feature bespoke technology solutions for oil and chemical spill prevention to a targeted audience in the region

Meet and Network
Participate in high-level discussion in the conference and network with 300+ regional leaders from oil, chemical and ship owning

Enhanced Brand Awareness
Your brand matters! Market it to a targeted audience through our integrated marketing campaigns

For more information on sponsorship and exhibition opportunities, please contact:
Jonathan Kiang • +65 6508 2471 • Jonathan.Kiang@ibcasia.com.sg

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Credit Card Payments
The best way to pay by credit card is through our secure on-line registration process, simply log on to the website at www.icopce.com.

Fee Per Delegate
Early Bird Rate Normal Rate Group Rate
Register and pay on or before 13 Sept 2019 SGD 1,300 SGD 1,400 SGD 1,100
Register and pay after 13 Sept 2019

Group Rate (3 or more delegates)
FREE* FREE* FREE*

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Job Title: 
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Delegate 3 Details
Name: Dr/Mr/Ms
Job Title: 
Department: 
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Delegate 4 Details
Name: Dr/Mr/Ms
Job Title: 
Department: 
Tel: 
Mobile No.: 
Email: 

Who is Head of your Department?
Company Name: 
Main Business/Activity: 
Address: 
Postal Code: 

Who is Head of Training?

Job Title: 
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