

ICHCA
INTERNATIONAL

20/20
CARGO VISION

NEW RULES | NEW TECH | NEW WORLD
11-14 NOV 2019 | MALTA



20/20 CARGO VISION

THE ICHCA INTERNATIONAL 2019 CONFERENCE & EXHIBITION

11-14 November 2019 | Hilton Hotel, Malta

NEW RULES, NEW TECH, NEW WORLD

KINDLY HOSTED BY



WHAT IS THIS EVENT ABOUT & WHY IS IT NEEDED?

Dear Cargo Industry Colleague

On land and at sea, global cargo handling and operations are undergoing a period of profound change. Along with the immense opportunities and challenges of automation and digitalisation, regulators and industry alike are grappling with the growing demands of safety, security and sustainability.

Responding to climate change and other key challenges to people, planet and profit, as laid out in the UN Sustainable Development Goals, is a now matter of action, not words. Recent reports also indicate that the increase in extreme weather incidents are themselves posing new disruption, loss and safety risks for shipping, port and cargo operations around the world.

Meanwhile, workforce diversity, equality, wellbeing and skills development are also rightly gaining heightened attention, at a time when maritime trade and cargo supply chains are under more active public and regulatory scrutiny than ever before, and with all sectors of industry needing to attract, train and protect the women and men who will power the future.

All this takes place against the backdrop of mega ships, ocean carrier consolidation and alliances, which as discussed at previous ICHCA conferences has put considerable operational pressure on ports

and other members of the cargo chain. Ongoing shifts in global trade patterns are also reshaping the scope, scale and spread of cargo operations, creating a need for investment, capacity building and training on new maritime and inland routes.

With so much change taking place at the same time, there is a pressing need for sustained dialogue between industry and regulators as everyone seeks to define and adapt to an exciting but challenging new reality. Technology holds out great promise, however there is a huge amount of experimentation, failure, lesson learning and change management to do along the way. Development of appropriate standards, protocols and legal frameworks is also crucial. None of this can be achieved in isolation.

Meantime, we are still seeing far too many preventable incidents leading to loss of life, cargo and assets. Not least, recent months have seen a worrying spate of major vessel fires, confined space fatalities of seafarers and port workers, loss and injury due to poor cargo packing, stowage and securing, and fires and other incidents in ports sadly also leading to fatalities. Dangerous goods misdeclaration (and non-declaration) remains a major issue, along with incidents caused by goods that, while not classified as hazardous, can pose significant risks if not properly managed. Everyone deserves to go home safely and our industry has a shared responsibility to make that the daily reality.

Hard-won experience, innovative new thinking and technology all need to come together to move the needle and make a demonstrable difference. As the global NGO for cargo handling and operations, the mission of ICHCA's 20/20 CargoVision conference and exhibition is to facilitate the dialogue, bringing institutional and industry stakeholders together to develop mutual understanding, share experiences, explore innovation and review appropriate policy and regulation that can contribute to safe, clean, compliant and efficient cargo operations.

Shippers, carriers, ports and terminals, inland operators, regulators, researchers, educators, NGOs, equipment, technology, service providers and all those concerned with the safety, security and sustainability of cargo operations on land and at sea are invited to join ICHCA in the Mediterranean hub port of Malta this 11-14 November to help shape the future.

Kindly hosted by Malta Freeport Terminals, the 2019 ICHCA International 20/20 Cargo Vision Conference & Exhibition will feature a tour of the port and 2 full conference days alongside an exhibition, with plenty of high-level networking opportunities including Icebreaker Reception, Official Drinks Reception, 3rd TT Club Innovation in Safety Award presented by IMO Safety Director Heike Deggim and 2nd A.O John Strang Memorial Award.

The conference & exhibition will be followed by the 82nd meeting of ICHCA's Technical Panel, a global volunteer group of industry professionals dedicated to fostering best industry practice to #makeitsafe.

SPEAKERS & MODERATORS

KEYNOTES & WELCOME REMARKS

Heike Deggim, Director Maritime Safety Division, **IMO – International Maritime Organization**

Hon. Dr. Ian Borg, Minister for Transport, Infrastructure and Capital Projects, **Government of Malta**

Hon Dr. Konrad Mizzi, Minister for Tourism, **Government of Malta**

Joseph Bugeja, Chairman & CEO, **Transport Malta**

Alex Montebello, CEO, **Malta Freeport Terminals**

SPEAKERS

John Beckett, Chairman, **ICHCA International**

Capt. Richard Brough OBE, Head, **ICHCA International**

Steve Cameron, Managing Director, **CMR**, Technical Panel Member, **ICHCA International**

Rafael Company, Director of European Projects – Innovation UE, **Valenciaport Foundation**

Dr. Dimitrios Dalaklis, Associate Professor (Safety and Security), **World Maritime University**

Elmo Diederiks, Director Development Engineering, **Cordstrap**

James Douglas, Director, **Exis Technologies**

Kevin Furniss, Vice President – Head of Corporate Safety, **A.P. Moller – Maersk**

James Hookham, Secretary General, **Global Shippers Forum** & Deputy Chief Executive, **Freight Transport Association (UK)**

Madoka Ikemachi, Senior Director for Research, **Japan Association for Cargo-Handling Machinery Systems (JACMS)**

Lamia Kerdjoudj-Belkaid, Secretary General, **FEPOR**

Lars Kjaer, Senior Vice President, **World Shipping Council**,

Ian Lennard, President, **National Cargo Bureau**

Hon. Dr. Konrad Mizzi, Minister for Tourism and Malta Freeport Terminals Operations

Takashi Nakamoto Director, Engineering Administration Office Ports & Harbours Bureau, **Ministry of Land, Infrastructure, Transport & Tourism (MLIT)**

Charles Oakley, Head of Commercial Business, **HSE Health and Safety Executive Science and Research Centre**

Jason Pratt, Group – Global Director Health, Safety and Environment, **DP World**

Erick H.-Saia, Director of Safety & Loss Control, **Greenwich Terminals, LLC & Port of the Delaware River Trade Association**

Bingbing Song, Technical Officer – Maritime Safety Division, **IMO – International Maritime Organization**

Capt. Panagiotis Stavrakakis, Head of Organizational Health & Wellbeing, **HSE Health and Safety Executive Science and Research Centre**

Peregrine Storrs-Fox, Risk Management Director, **TT Club**

Stephan Trauth, Vice President, **Yardeye**

Peter van Duyn, Maritime Logistics Expert, **Deakin University, Australia**

Patrick Verhoeven, Managing Director – Policy and Strategy **International Association of Ports and Harbors (IAPH)**

Boris Wenzel, Managing Director, **Terminal Link SAS (a CMA-CGM / China Merchants Port Holdings joint venture)**

Lukasz Wyrowski, Economic Affairs Officer, Sustainable Transport Division, **United Nations Economic Commission for Europe (UNECE)**

Rachael White, CEO, **Next Level Information**, Technical Panel Member, **ICHCA International**

MONDAY 11 NOVEMBER | PRE-CONFERENCE PORT TOUR & ICEBREAKER

10:00-16:00 ICHCA INTERNATIONAL BOARD MEETING

Open to Board Members & Invited Observers Only

14:30-17:00 MALTA FREEPORT TERMINALS PORT TOUR

19:00-22:00 ICEBREAKER RECEPTION

TUESDAY 12 NOVEMBER | CONFERENCE DAY 1, AWARDS & RECEPTION

08:00 Registration desk open | Refreshments, networking & exhibition visits

09:00 WELCOME, KEYNOTES & PLENARY SESSION:

NEW RULES, NEW TECH, NEW WORLD – VIEWS FROM REGULATORS & INDUSTRY

Emcee: Rachael White, Technical Panel Member & Conference Organiser, **ICHCA International**

Opening remarks from ICHCA International

Capt. Richard Brough OBE, Head, **ICHCA International**

John Beckett, Chairman, **ICHCA International**

Opening remarks from Malta Freeport, Transport Malta & the Government of Malta

Hon. Dr. Ian Borg, Minister for Transport, Infrastructure and Capital Projects, **Government of Malta**

Hon Dr. Konrad Mizzi, Minister for Tourism, **Government of Malta**

Joseph Bugeja, Chairman & CEO, **Transport Malta**

Alex Montebello, CEO, **Malta Freeport Terminals**

Regulator Keynote

Heike Deggim, Director Maritime Safety Division, IMO – International Maritime Organization

Industry Keynotes

To be announced

Q&A

10:30 Refreshments, networking & exhibition visits

11:00 SESSION 1: AUTOMATION & DIGITALISATION – EMBRACING THE SMART CARGO REVOLUTION

Key talking points:

- Automation and digitalisation in vessel, port and inland cargo operations – state of the union and case studies
- Digital platforms, AI, IoT, sensors, blockchain, robotics, autonomous vehicles, drones, wearables, VR and remote control... assessing how different smart technologies can reduce risk to people, cargo and assets at sea and on land
- The need for standards and frameworks to facilitate effective adoption and integration of new technologies
- Adapting maritime and cargo regulations to the new world order
- Cyber security threats and defence strategies – rethinking digital and physical security

Moderator:

Capt. Richard Brough OBE, Head of ICHCA International

Speakers and panel members:

Rafael Company, Director of European Projects – Innovation UE, **Valenciaport Foundation**

Madoka Ikemachi, Senior Director for Research, **Japan Association for Cargo-Handling Machinery Systems (JACMS)**

Lamia Kerdjoudj-Belkaid, Secretary General, **FEPOR**

Boris Wenzel, Managing Director, **Terminal Link SAS** (a **CMA-CGM** / **China Merchants Port Holdings** joint venture)

13:00 Lunch, networking & exhibition visits

14:00 SESSION 2: EXECUTIVE LEADERS PANEL: RESHAPING THE HSSE AGENDA IN GLOBAL CARGO OPERATIONS

Key talking points:

- HSSE in the Cargo C-suite
- Redefining the relationship between HSSE, operations, IT, procurement, finance and other core business functions – the need for a more holistic approach?
- How is automation and digitalisation impacting the executive HSSE mandate?
- Achieving a zero-incident, zero-emissions world – what will it take?
- Developing the next generation of HSSE leaders in cargo operations
- Compliance, governance and ethics – what's changing?

Moderator:

Rachael White, Technical Panel Member, **ICHCA International Ltd** & CEO, **Next Level Information**

Speakers and panel members:

Kevin Furniss, Vice President – Head of Corporate Safety, **A.P. Moller – Maersk**

Jason Pratt, Group – Global Director Health, Safety and Environment, **DP World**

15:00 Refreshments, networking & exhibition visits

15:30 SESSION 3: CARGO PEOPLE - THE FUTURE OF WORK, THE WORKFORCE & WORKPLACES ASHORE & AFLOAT

INCLUDES SPECIAL PANEL DEBATE: Diversity, Inclusion & Empowering Women in the Maritime Cargo World

"The future before us is challenging. However, technology is here to stay. The question is, how do we use it to enhance the human condition, and how do we prepare the work force for tomorrow?" – *Dr. Cleopatra Doumbia-Henry, President, World Maritime University (WMU) at the January 2019 launch of the International Transport Workers' Federation (ITF) and WMU report ["Transport 2040: Automation Technology Employment - the Future of Work"](#)*

Key talking points:

- How will automation and digitalisation impact the future of work in cargo transport and handling?
- How can we enhance the human experience and keep people safe, productive and well with new technology?
- Workforce diversity, inclusion and attracting the next generation
- Leadership, training and skills development
- Health, wellbeing and safety

Speakers and panel members:

Dr. Dimitrios Dalaklis, Associate Professor (Safety and Security), **World Maritime University**

Stephan Trauth, Vice President, **Yardeye**

Patrick Verhoeven, Managing Director – Policy and Strategy, **International Association of Ports and Harbors (IAPH)**

18:00 Close of Conference Day 1 - refreshments, networking & exhibition visits

19:00 ICHCA INTERNATIONAL OFFICIAL RECEPTION & AWARDS CEREMONY

KINDLY HOSTED BY MALTA FREEPORT



Join us courtesy of host Malta Freeport Terminals to network with industry colleagues from across the globe and celebrate excellence in global cargo operations with the presentation of two prestigious awards:

3RD TT CLUB INNOVATION IN SAFETY AWARD



established expertise

The TT Club Innovation in Safety Award was launched by ICHCA International in 2016 to highlight the importance of safety at a time of increased operational demands on cargo handling infrastructure and operations worldwide. Our goal was equally to champion and celebrate the many companies and individuals around the world who are 100% dedicated to 'making it safe' every day, and to acknowledge and foster innovation to improve safety in cargo operations and logistics.

The Award is open to anyone – an individual, team or company – involved in cargo logistics. Entrants are required to show that a product, idea, solution, process, scheme or other innovation has resulted in a demonstrable improvement to safety. For more details of how to enter, contact helen@nextlevelinfo.com.

Winner and highly commended to be presented by Heike Deggim, Director Maritime Safety Division, IMO – International Maritime Organization

JOHN STRANG A.O. MEMORIAL AWARD



The **John Strang A.O. Memorial Award** was launched by ICHCA in 2017 to recognise an outstanding individual or organisation dedicated to the development of the cargo handling industry; achievements that have led to improvements in efficiency, effectiveness, health and safety, as well as the organisation or individual being a catalyst for positive change and innovation within the industry.

The Strang family have a long history of supporting ICHCA. John's father was involved in its establishment in the 1950s and John himself was a pioneer and ambassador of ICHCA throughout his lifetime. He was appointed an Officer of the Order of Australia (A.O.) in HM The Queen's Birthday Honours List in June 2016, before sadly passing away in September 2016.

The second John Strang A.O Memorial Award will be presented by Sallie Strang, daughter of John and the third generation of the Strang family to sit on the board of ICHCA International.

WEDNESDAY 13 NOVEMBER | CONFERENCE DAY 2

08:00 Registration desk open | Refreshments, networking & exhibition visits

09:00 SESSION 4: CARGO MARKET FOCUS: THE MEDITERRANEAN, AFRICA AND OBOR

Moderator: Steve Cameron, Managing Director, CMR

10:30 Refreshments, networking & exhibition visits

11:00 SESSION 5: PROTECTING PEOPLE, CARGO, ASSETS & PLANET – SAFETY ALONG CONTAINER & BULK CARGO CHAINS #makeitsafe

Part 1 Container Supply Chain Safety & Cargo Integrity

Key talking points:

- Safe weighing, packing and stowage of containers and cargoes
- The CTU Code in practice – challenges and options for global dissemination and adoption of effective container and unit load packing
- Reducing dangerous goods incidents, including how to tackle misdeclared and undeclared cargoes
- How do we tackle the worrying growth in fires on container ships? Reviewing inspection regimes and technologies
- Minimising pest contamination of containers and their cargoes

Speakers and panel members:

Capt. Richard Brough OBE, Head of ICHCA International

Elmo Diederiks, Director Development Engineering, Cordstrap

James Douglas, Director, Exis Technologies

Ian Lennard, President, National Cargo Bureau

Lars Kjaer, Senior Vice President, World Shipping Council

Bingbing Song Technical Officer – Maritime Safety Division, IMO – International Maritime Organization

Peregrine Storrs-Fox, Risk Management Director, TT Club

Lukasz Wyrowski, Economic Affairs Officer, Sustainable Transport Division, United Nations Economic Commission for Europe (UNECE)

Part 2 Health & Safety for the Port & Maritime Industry #makeitsafe

“Everyone deserves to get home safely”

Key talking points:

- Assessing the primary causes of injury and fatalities in ship, port and cargo logistics
- Health, safety and welfare in the global container terminal industry
- Confined space incidents in bulk and container operations: how do we stop seafarers and port personnel from dying?
- Organisational health and wellbeing – research and innovation
- New technologies to support human health, safety and wellbeing

Speakers and panel members:

Capt. Richard Brough OBE, Head of **ICHCA International**

Dr. Dimitrios Dalaklis, Associate Professor (Safety and Security), **World Maritime University**

Erick H.-Saia, Director of Safety & Loss Control, **Greenwich Terminals, LLC & Port of the Delaware River Trade Association**

Charles Oakley, Head of Commercial Business, **HSE Health and Safety Executive Science and Research Centre**

Capt. Panagiotis Stavrakakis, Head of Organizational Health & Wellbeing, **HSE Health and Safety Executive Science and Research Centre**

Round Table Debate: Improving Global Safety Intelligence

- Data gathering, reporting and analysis - what do we need? What do we have? How can we collaborate more effectively?
- How can we embrace digital technology for better outcomes?
- How can industry and regulators collaborate to move the needle?

13:30 Lunch, networking & exhibition visits

**15:00 SESSION 6: PROTECTING PEOPLE, CARGO, ASSETS & PLANET – SUSTAINABILITY
ALONG CONTAINER & BULK CARGO CHAINS #makeitclean #makeitgreen**

Key talking points:

- The new regulatory environment after the Paris Accord
- IMO2020 and greenhouse gas emission reductions in shipping – next steps and implications for the broader cargo logistics community
- Cargo logistics and the UN Sustainable Development Goals
- Reducing the environmental and social impact of shipping and ports
- Achieving energy efficiency and emissions reduction in ports, shipping and the cargo chain
- What does a carbon neutral cargo operation look like?
- Technology innovations to make cargo handling operations more sustainable

Speakers and panel members:

Takashi Nakamoto Director, Engineering Administration Office Ports & Harbours Bureau,
Ministry of Land, Infrastructure, Transport & Tourism (MLIT)

Peter van Duyn, Maritime Logistics Expert, **Deakin University Australia**

Patrick Verhoeven, Managing Director – Policy and Strategy, **International Association of Ports and Harbors (IAPH)**

17:00 Refreshments, networking & exhibition visits

17:30 WRAP UP & CLOSING REMARKS

ICHCA International and its partners reserve the right to alter the content, speakers and timings of the agenda

THURSDAY 14 NOVEMBER | ICHCA ITP TECHNICAL PANEL MEETING 82

Open to ITP Technical Panel Members & Invited Observers Only

Further agenda details to be announced

For more information on speaking, sponsorship and exhibiting opportunities, attending as a delegate, or becoming a media or industry partner, contact a member of the event organising team

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ABOUT ICHCA INTERNATIONAL

The International Cargo Handling Coordination Association (ICHCA), founded in 1952, is an independent, not-for-profit organisation dedicated to improving the safety, security, sustainability, productivity and efficiency of cargo handling and goods movement by all modes and through all phases of national and international supply chains.



ICHCA International's privileged non-government organisation (NGO) status enables it to represent its members, and the cargo handling industry at large, in front of national and international agencies and regulators including the International Maritime Organization and other UN bodies. Its International Technical Panel provides technical advice and publications on a wide range of practical cargo handling issues and compliance.

ICHCA International operates through a series of autonomous national and regional chapters – including ICHCA Australia, ICHCA Japan and ICHCA Canarias/Africa (CARC) – plus Correspondence and Working Groups to provide a focal point for informing, educating, networking, shaping and sharing industry views to improve knowledge and best practice across the global cargo chain.