



ICHCA INTERNATIONAL 65TH ANNIVERSARY CONFERENCE

Monday 2 - Wednesday 4 October 2017 | Hotel Santa Catalina, Las Palmas, Gran Canaria

**SAFE, SECURE, SUSTAINABLE, SMART & SKILLED: INNOVATING
CARGO HANDLING FOR THE NEXT PHASE OF WORLD TRADE**

INTRODUCTION

When ICHCA was founded in 1952 with a mandate to share logistics best practice in the aftermath of WW II, the world was a very different place. In the space of 65 years, trade globalisation, containerisation and other technological advances at sea and on land have utterly transformed the international cargo handling and transport landscape – in scale, scope and sophistication.

And the story is far from over.

The speed of technological change and innovation in the digital world, combined with shifts in global trade flows and patterns, will present the next generation of cargo handling professionals with fresh challenges. But through all the changes, goods still need to be moved – in large volumes and across great distances, serving supply chains of every description from basic commodities to highly complex manufacturing and retail operations.

ICHCA's 65th Anniversary Conference in Las Palmas will be built around 5 key challenges confronting all those involved in cargo movement worldwide across land and sea. How do we make cargo operations and handling safe, sustainable and secure? How can we incorporate smart technologies to improve outcomes? And what skills does the cargo handling industry of the future need? Specific



Improving the safety, efficiency and sustainability of cargo handling worldwide

2-6 OCTOBER 2017

Celebrate ICHCA's 65th anniversary in Las Palmas

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focus areas will include cargo packing, SOLAS VGM a year on, dangerous goods, port and terminal safety, energy efficiency and decarbonisation, and physical and cyber security.

Africa is a developing market whose importance in future global trade will increase, reflecting the importance of ICHCA's Canaries and Africa Regional Chapter and the role Las Palmas is set to play. These developments will also be an important consideration for discussion in October.

While much may have changed since 1952, the fundamental aim of ICHCA – bringing a cross-stakeholder network of cargo handling professionals together to raise the bar for all – is as important today as it has ever been. We hope you will join us in Las Palmas to map out the future and explore how we can harness new technologies and innovative approaches to make the business of cargo handling safe, secure, sustainable and efficient.

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 regulatory bodies. Its Expert Panel provides technical advice and publications on a wide range of practical cargo handling issues.

ICHCA International operates through a series of autonomous national and regional chapters – including ICHCA Australia, ICHCA Japan and ICHCA Canaries/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.

To find out more visit www.ichca.com or contact us at secretariat@ichca.com





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SPEAKERS & MODERATORS



KEYNOTES

Gunther Bonz, President, **FEPORT**

Olaf Merk, Administrator Ports and Shipping, **International Transport Forum, OECD**

Joseph Westwood-Booth, Senior Deputy Director, **Subdivision for Marine Technology and Cargoes, Maritime Safety Division, IMO – International Maritime Organization**

Captain Ebenezer Afadzi, Director of Port Takoradi, **Ghana Ports and Harbours Authority**

John Beckett, Vice President, Training Safety & Recruitment, **British Columbia Maritime Employers Association**

Jan Boermans, Regional HSSE Director Europe and Russia, **DP World** and Chairman, **ICHCA ISP Technical Panel**

Guenther Bonz, President, **FEPORT - Federation of European Private Port Operators and Terminals**

Martijn Breuer, Director, **ShoreTension**

Capt. Richard Brough OBE, Technical Adviser and Observer, **ICHCA International**

Jody Cleworth, CEO, **Maritime Transport International**

Rafael Company, R&D Project Manager, **Valenciaport Foundation & Project Lead, SAURON**

Erik de Neef, Chairman, **Royal Boatmen Association**

Wouter de Gier, Director – Global Head of Safety, Environment and Performance Management, **APM Terminals**

Elmo Diederiks, Global Product Manager, **Cordstrap BV**

Michael Dempsey, Vice President Container and Port Solutions, **ORBCOMM**

James Douglas, Director, **Exis Technologies**

Conor Feighan, Policy Advisor, **Federation of European Private Port & Terminal Operators (FEPORT)**

Andrew Francis, Director, **DP World Institute**

Pedro Garcia, **IPCSA - International Port Community System Association**

Dr José Joaquín Hernández-Brito, Science, Technology and Innovation Manager, **PLOCAN**

Manuel Herrera, Canary Professor, **Louvain School of Management**

Mike Howie, Global System Specialist MoorMaster, **Cavotec**

Christophe Joubert PhD, Chief Technology Innovation Officer, **Prodevelop**



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

Michael Shen, Head of Cyber Innovation, **Novae**

Professor Shuo Ma, Vice-President (International), **World Maritime University**

Pablo Martín Carbajal González, Director General for Economics African Affairs, CEO – PROEXCA,
Government of the Canary Islands

Jorge Martín Diaz de Espada, Global HSSE Manager, **Terminal Investment Limited**

Daniel MacGregor, Sales and Marketing Director, **Nexiot AG**

Olaf Merk, Administrator Ports and Shipping, International Transport Forum, **OECD**

Cecilia Muller Torbrand, Programme Director, **Maritime Anti-Corruption Network (MACN)**

Yasuyuki Nishio, Director, Engineering Administrative Office, Engineering Planning Division for Ports and Harbours Bureau, **Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japanese Government**

Douglas Owen, Secretary General, **BIC - Bureau International des Containers**

Ken Rohlmann, Senior Director – Dangerous Goods, **Hapag-Lloyd** and Deputy Chairman,
CINS - Cargo Incident Notification System

Dr Yvo Saanen, Commercial Director, TBA

Joel Shirriff, Vice President & Global Practice Lead Terminals & Transportaton, **Ausenco**

Marcelo Siminet, Head of HSE Cluster, **APM Terminals**

Stephan Stiehler, Independent Consultant @ **Stiehler Consulting - International Ports & Cranes**,
Ex Chairman, **PEMA Safety Committee** and Deputy Chairman, **ICHCA ISP Technical Panel**

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

Peter van Duyn, Deputy Chairman, **ICHCA Australia** and Maritime Logistics Expert, **Centre for Supply Chain and Logisitics, Deakin University**

Chris Welsh MBE, Secretary General, **Global Shippers Forum**

Rachael White, CEO Secretariat, **ICHCA International**

The speaker and moderator list is a work in progress and will be continually updated | Last update 13 September 2017

PRE-CONFERENCE PORT TOUR & ICEBREAKER | MONDAY 2 OCTOBER

Timings to be confirmed

10:00-16:00 **ICHCA INTERNATIONAL BOARD MEETING**

Open to Board Members & Invited Observers Only

10:00-16:00* **GLOBAL SHIPPERS FORUM ANNUAL GENERAL MEETING**

Open to GSF Members & Invited Observers Only



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16:00-18:00 LAS PALMAS PORT TOUR

18:00-20:00 ICEBREAKER RECEPTION

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CONFERENCE DAY 1, AWARDS & RECEPTION | TUESDAY 3 OCTOBER

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

09:00 WELCOME & KEYNOTES

09:00 Opening remarks from ICHCA International
Rachael White, CEO Secretariat, ICHCA International

09:15-09:35 Opening remarks from the host
Pablo Martín Carbajal González, Director General for Economics African Affairs, CEO – PROEXCA, Government of the Canary Islands

09:40-10:00 Keynote 1:
Connecting Ships, Ports and People – Next Generation Blue Economy
Joseph Westwood - Booth, Senior Deputy Director, Subdivision for Marine Technology and Cargoes, Maritime Safety Division, IMO

10:00-10:20 Keynote 2:
Where does Global Freight Go from Here?
Olaf Merk, Administrator Ports and Shipping, International Transport Forum, OECD



10:20-10:40

Keynote 3:

Priorities for Ports in a Changing World

Gunther Bonz, President, FEPORT

10:40-11:00

Discussion:

Future Scenarios for Cargo Handling in the New Global Economy

11:00

Refreshments, networking & exhibition visits

11:30

SESSION 1 CONTAINER SUPPLY CHAIN SAFETY #makeitsafe

'The safest supply chain is also the most productive'

- **Safety as a shared responsibility** along the entire container supply chain – how can we do better?
- **Container weighing: SOLAS VGM 18 months on** – where are we now? What do industry and regulators need to do next?
- **Container packing:** tackling a major cause of damage, loss and injury along the cargo chain. How can we ensure implementation of good practice from the IMO/ILO/UNECE CTU Packing Code from packing to delivery?
- **Dangerous goods:** addressing the scourge of misdeclaration and eradicating avoidable risks
- **Technology and innovation** to improve container and cargo safety along the chain

PART 1: Safety in the Intermodal Supply Chain and the Importance of the CTU Code

11:30

Moderator's opening remarks and brief introduction to the CTU Code

Capt. Richard Brough OBE, Technical Adviser and IMO Liaison, ICHCA International

11:40

CTU Code compliance and awareness

Peregrine Storrs-Fox, Risk Management Director, TT Club

11:50

Role and responsibilities – the shippers' view

Chris Welsh MBE, Secretary General, Global Shippers Forum – *Shipper view on container supply chain safety priorities and progress*



- 12:00** **CTU cleanliness and pest contamination – an issue of growing concern to regulators**
Lars Kjaer, Senior Vice President, World Shipping Council – *Carrier view #1 - container cleanliness for pest minimisation*
- 12:10** **CTU Code Q&A**
- PART 2: Wider Safety Considerations and Potential Solutions**
- 12:25** **Tackling the scourge of dangerous goods misdeclaration**
Ken Rohlmann, Senior Director – Dangerous Goods, Hapag-Lloyd and Deputy Chairman Cargo Incident Notification System
- 12:35** **Technology and innovation 1: Dangerous goods, shared databases to improve safe transport and reporting of prohibitions, restrictions and inspection results**
James Douglas, Director, Exis Technologies
- 12:45** **Technology and innovation 2: universal technical container characteristics database**
Douglas Owen, Secretary General, Bureau International des Containers (BIC)
- 12:55** **Technology and innovation 3 - securing cargoes inside containers**
Elmo Diederiks, Global Product Manager, Cordstrap BV
- 13:05** **Panel Debate: Safety as a shared responsibility along the entire container supply chain – how can we do better?**
- CTU Code
 - SOLAS VGM
 - Dangerous goods
- With speakers joined by:**
Joseph Westwood-Booth, Senior Deputy Director, Subdivision for Marine Technology and Cargoes, Maritime Safety Division, IMO



13:25 Lunch, networking & exhibition visits

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14:30 SESSION 2 REDUCING RISKS IN CARGO OPERATIONS #makeitsafe

- Safety in ports and terminals – what are the major priorities?
- Next generation HSE management and innovative approaches to HSE risk management in terminals
- Lifting cargo personnel with cranes – developing global best practice
- Preventing collisions between containers, equipment and people
- Reducing the risks of lashing and twistlock handling
- Improving safety in vessel mooring operations
- Embedding safety in port and terminal design and construction
- Technology and innovation to make cargo handling operations safer

14:30 Moderator's opening remarks

Stephan Stiehler, Independent Consultant @ Stiehler Consulting - International Ports & Cranes, Deputy Chairman, ICHCA ISP Technical Panel

14:35 Next generation HSE management and innovative approaches to HSE risk management in terminals

Wouter de Gier, Director – Global Head of Safety, Environment and Performance Management, APM Terminals

14:50 Embedding safety in port and terminal design and construction

Joel Shirriff, Vice President & Global Practice Lead Terminals & Transportation, Ausenco

15:05 Technology and innovation to make cargo handling operations safer

- Lifting cargo personnel with cranes – developing global best practice
- Preventing collisions between containers, equipment and people
- Reducing the risks of lashing and twistlock handling
- Improving safety in vessel mooring operations



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- 15:05** **Safety technology in ports and terminals – an overview**
Stephan Stiehler, Independent Consultant @ Stiehler Consulting - International Ports & Cranes, Deputy Chairman, ICHCA ISP Technical Panel
- 15:20** **Safe mooring 1**
Martijn Breuer, Director, ShoreTension & **Erik de Neef**, Chairman, Royal Boatmen Association; Chairman/CEO, KRVE
- 15:35** **Safe mooring 2**
Mike Howie, Global System Specialist MoorMaster, Cavotec
- 15:50** **Innovation in safety – one year on**
Marcelo Siminet, Head of HSE Cluster, APM Terminals
We are pleased to welcome back the winner of our inaugural TT Club Innovation in Safety Award to give a 'one year on' update
- 16:05** **Closing Panel debate: HSE in ports and terminals – what are the major priorities?**

An open Q&A session

Jan Boermans, Regional HSSE Director Europe and Russia, DP World and Chairman, ICHCA ISP Technical Panel
Capt. Richard Brough OBE, Technical Adviser and Observer, ICHCA International
Wouter de Gier, Director – Global Head of Safety, Environment and Performance Management, APM Terminals
Jorge Martín Diaz de Espada, Global HSSE Manager, Terminal Investment Limited
Marcelo Siminet, Head of HSE Cluster, APM Terminals (tbc)
- 16:30** **Close of Conference Day 1 - refreshments, networking & exhibition visits**
- 19:30** **AWARDS EVENING: LAS PALMAS PORT AWARDS & ICHCA INTERNATIONAL AWARDS**



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Join us to celebrate excellence in global cargo handling and regional port operations with presentations of three prestigious awards:

LAS PALMAS PORT AWARDS

2ND TT CLUB INNOVATION IN SAFETY AWARD



Presented by Joseph Westwood-Booth, International Maritime Organization

JOHN STRANG A.O. MEMORIAL AWARD



20:30 ICHCA 65TH ANNIVERSARY COCKTAIL RECEPTION

CONFERENCE DAY 2 | WEDNESDAY 4 OCTOBER

08:30 Registration desk open

Refreshments, networking & exhibition visits

09:00 **SESSION 3 NEW MARKETS & TRADE ROUTES - RESHAPING THE GLOBAL CARGO LANDSCAPE #futureflows**

- Emerging global trade routes
- China Silk Road initiative
- Development and investment outlook for African shipping, ports and hinterland operations

09:00 **Moderator's opening remarks**

Steve Cameron, Principal, Cameron Maritime Resources

09:05 **China New Silk Road initiative**

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- OBOR and its global impact
- West Africa implications

Prof. Manuel Herrera, Canary Professor, Louvain School of Management

An overview and introduction to China's New Silk Road / OBOR Initiative to create a new network of overland and maritime infrastructure linking China-Europe, with particular focus on the potential impact for the western coast of Africa and the Canary Islands.

09:25 Emerging global trade routes

Yasuyuki Nishio, Director, Engineering Administrative Office, Engineering Planning Division for Ports and Harbours Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan

Based on the current status of global container transport, Mr Nishio will outline the influence of the new marine transport route in the Asian region, including a new approach to LNG bunkering in Japan.

09:45 Development and investment outlook for African shipping, ports and hinterland operations

09:45 Captain Ebenezer Afadzi, Director of Port Takoradi, Ghana Ports and Harbours Authority

09:55 Q&A

10:20 Refreshments, networking & exhibition visits

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- 11:00** **SESSION 4 THE FUTURE IS SMART #cargointelligence**
Automation, IoT, big data, AI, machine learning, autonomous vehicles, the cloud.
Global cargo operations on land and at sea are set to be transformed by technology innovation. What could new technologies mean for safety, sustainability and efficiency?
- Intelligent cargo operations: redefining the future
 - Autonomous vessels and vehicles
 - Port automation, robotics and digitisation
 - Cloud and enterprise platforms
 - Telematics and sensors
- 11:00** **Moderator's opening remarks**
Capt. Richard Brough OBE, Technical Adviser and IMO Liaison, ICHCA International
- 11:05** **Intelligent cargo operations: redefining the future**
Rise of the robots: automation in logistics and shipping
Peter van Duyn, Deputy Chairman, ICHCA Australia and Maritime Logistics Expert, Centre for Supply Chain and Logistics, Deakin University
- Autonomous vessels and vehicles
 - Port automation, robotics and digitisation
- 11:25** **Smart ports – digital applications and open platforms**
11:25 **Christophe Joubert** PhD, Chief Technology Innovation Officer, Prodevelop
11:35 **Pedro Garcia**, International Port Community System Association (IPCSA)
11:45 **Smart ports Q&A**
- 12:00** **Smart cargo chains – blockchain and the IoT**
12:00 **Jody Cleworth**, CEO, Maritime Transport International
12:10 **Michael Dempsey**, Vice President Container and Port Solutions, ORBCOMM
12:20 **Daniel MacGregor**, Sales and Marketing Director, Nexiot AG
12:30 **Smart cargo chain Q&A**



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- 12:45** **Closing Q&A with all speakers**
- 13:00** **Lunch, networking & exhibition visits**
- 14:00** **SPECIAL SESSION: GOOD GOVERNANCE – TACKLING CORRUPTION**
Cecilia Muller Torbrand, Programme Director, Maritime Anti-Corruption Network (MACN)
Introduced by Rachael White, CEO, ICHCA International Secretariat
- 14:30** **SESSION 5 PHYSICAL AND CYBER SECURITY #makeitsecure**
- Security challenges and responses
 - Security and speed of cargo handling
 - Information sharing
 - Physical security
 - Multidimensional security issues for protecting maritime critical infrastructures:
 - SAURON project
 - Modelling of cyber risks and evaluating the effectiveness of critical cyber controls.
- 14:30** **Moderator's opening remarks**
Peregrine Storrs-Fox, Risk Management Director, TT Club
- 14:35** **Security challenges and responses**
Jorge Martín Diaz de Espada, Global HSSE Manager, Terminal Investment Limited
- 14:50** **Multidimensional security issues for protecting maritime critical infrastructures: SAURON project**
Rafael Company, R&D Project Manager, Valenciaport Foundation
- 15:05** **Modelling of cyber risks and evaluating the effectiveness of critical cyber controls.**
Michael Shen, Head of Cyber Innovation, Novae
- 15:20** **Panel discussion to include**
- Security and speed of cargo handling
 - Information sharing
 - Physical security



15:30 SESSION 6 SUSTAINABLE CARGO OPERATIONS – DECARBONISATION, ENERGY EFFICIENCY AND SOCIAL STEWARDSHIP #makeitsafe

- New regulatory environment after the Paris accord
- Reducing the environmental and social impact of shipping and ports
- Achieving energy efficiency and emissions reduction in ports
- What does a carbon neutral cargo operation look like?
- Technology innovations to make cargo handling operations more sustainable

15:30 Moderator's opening remarks

Steve Cameron, Principal, Cameron Maritime Resources

15:30 Reducing the environmental and social impact of shipping and ports – new regulatory environment after the Paris Accord

Chris Welsh MBE, Secretary General, Global Shippers Forum

15:45 Decarbonising ports, terminals and the cargo chain – adopting a common framework for emissions measurement and reduction

Conor Feighan, Policy Advisor, Federation of European Private Port & Terminal Operators (FEPORT)

16:00 Protecting our oceans and blue economy – the research agenda

Dr José Joaquín Hernández-Brito, Science, Technology and Innovation Manager, PLOCAN

16:15 Refreshments, networking & exhibition visits+

16:40 SESSION 7 FUTURE SKILLS #cargopeople

How do we re-skill for next generation cargo handling needs?

- Recruitment and retention
- Future skills development
- New training concepts, technologies and tools

16:40 Moderator's opening remarks

Capt. Richard Brough OBE, Technical Adviser and IMO Liaison, ICHCA International



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- 16:50** **Future maritime industry education and skills development**
Professor **Shuo Ma**, Vice-President (International), World Maritime University
- 17:05** **New training concepts, technologies and tools**
John Beckett, Vice President, Training Safety & Recruitment, British Columbia Maritime Employers Association
- 17:20** **Developing management capabilities, tools and technologies for the container terminal industry**
Andrew Francis, Director, DP World Institute
- 17:35** **Q & A**
- 17:45** **WRAP UP & CLOSING REMARKS**

ICHCA ISP TECHNICAL PANEL MEETING 78 | THURSDAY 5 OCTOBER

Open to ISP Technical Panel Members & Invited Observers Only
Further agenda details to be announced

ICHCA CANARIES & AFRICA REGION CHAPTER AGM | FRIDAY 6 OCTOBER

Open to CARC Members & Invited Observers Only
Further agenda details to be announced

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



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