

Savannah International Convention Center, Georgia, USA



(27) 28 & 29 March 2023

EVENT BROCHURE & AGENDA

THE 'MUST-ATTEND' EVENT FOR THE PORT, TERMINAL & CONTAINER INDUSTRY

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Conference Agenda

Tuesday 28 March 2023



08.30 - 09.00 Arrival & Registration

09.00 - 09.10 Opening Remarks

Peter van Schie, Event Director, MCI

09.10 - 09.35 **Keynote presentation**

The GPA is official supporter of the event.

Details of the presentation to be announced.

Griff Lynch, Executive Director, Georgia Ports Authority, USA

Session 1

Moderator: Vijay Agrawal, AECOM

09.35 - 10.00 **TopView: The smart spreader**

The presentation will explain how OCR and vision technology have turned the spreader into a smart device. The speaker will show how any spreader, on any CHE, can be retrofitted to serve as a data collection device to enhance operations and productivity. Intelligent camera systems on spreaders match box IDs and work orders in real time to help operators make better decisions leading to cost savings, increased efficiency, and safety. The spreader will save time and money on every container move and improve KPIs such as CHE utilization.

John Lund, Sales & Marketing Director, Visy, USA

10.00 - 10.25 **Improving crane operator performance and cognitive efficiency**

Following in-depth ergonomic research relating to the many biomechanical stress issues that container crane drivers face during day-to-day operations, Brieda developed the innovative work solution: the Dynamic control station. The speaker will give a detailed look at the interface devices that introduce a new way of working and how operator performance and cognitive efficiency is increased.

Siro Brieda, Owner, Brieda Cabins, Italy

10.25 - 10.35 Q&A Session

10.35 - 11.00 Refreshment break

Session 2

Moderator: Ashebir Jacob, Moffatt & Nichol

11.00 - 11.25 **Complete process digitalization of terminals and ports**

The speaker will delve into the next generation of industry standard private cellular technology along with modern applications like RXRM to improve port and terminal operator productivity with accuracy and low latency operations.

Niren Choudhury, Chief Technology Officer, Alcatel-Lucent/Nokia, USA

11.25 - 11.50 **Port of Virginia digital transformation by air, land and sea**

Jacobs and the VPA have partnered together to create innovative digital tools that have improved efficiency across the terminals, and allowed the port to harness, utilize and leverage its digital data investment in a variety of ways. Herein, the speakers give an overview of the technologies and applications used including GIS, mobile applications, and drones.

Dakota Anderson, GIS Manager, Virginia Ports Authority, Derek Lobedan, Marine Engineer, Jacobs, and Beckie Haney, Project Manager, Jacobs, USA

11.50 - 12.15 **Optimization in the digital age: the key role of human experience to boost productivity**

In the era of digitalization, artificial intelligence and automation of container terminals, there is still a key role played by humans thanks to their experience, power of observation, communication and critical analysis. On one hand technology enables measurement of process timestamps, delays, bottleneck and performances through KPIs, but on the other, the manager still takes decisions, influences strategies and motivates people. Starting from the awareness that every terminal is unique, the speaker will present how to maximize productivity using standard solutions paying attention to TOS configuration, training, process and people management, presenting actual cases and learned lessons.

Marco Fehmer, Chief Executive Officer, DSP, Switzerland

12.15 - 12.30 Q&A Session

12.30 - 14.00 Lunch

Session 3

Moderator: Nigel Nixon, Nigel Nixon & Partners

14.00 - 14.25 **GPA presentation**

The GPA is official supporter of the event. A representative will be giving a technical presentation. Details to be announced.

Representative from the Georgia Ports Authority, USA

14.25 - 14.50 **Port planning in Latin America**

Details of this presentation will be released in due course.

Rodrigo Paiva, Lead Infrastructure Economist, Nigel Nixon & Partners, USA

14.50 - 15.15 **The do's and don'ts for automated container terminals**

With over 30 years of experience in the planning and optimization, design, integration of equipment/systems and civil infrastructure, and implementation/realization of port terminal (conventional and automated) development projects worldwide, the speaker will explain the key do's and don'ts for automated container terminals.

Ashebir Jacob, Vice President & Senior Port Engineer, Moffatt & Nichol, USA

15.15 - 15.30 Q&A Session

15.30 - 15.50 Refreshment break

Session 4

Moderator: Peter van Schie, MCI Media

15.50 - 16.15 **Systems designed to support climate change initiatives**

The Paris Agreement has put the shipping industry under immense pressure. While every port is unique, movable shore power systems can play a role in helping the transition. Herein, the speaker will discuss evolving technology that will help support climate change initiatives.

Sean McCaskill, Engineered Systems Manager, igus, USA

16.15 - 16.40 **Hybrid-Power Guardian™ - a step towards decarbonization at ports**

The presentation will discuss TMEIC's approach to help ports and terminals achieve decarbonization by capturing and reusing energy on rubber-tyre gantry cranes (RTGs).

Niranjan Patil, Project Application and Hardware Engineering Manager - Industrial Systems, TMEIC, USA

16.40 - 17.05 **Presentation TBA**

Details will be released in due course.

Speaker to be announced

17.05 - 17.10 Q&A Session

17.10 - 17.15 Closing Remarks

Complimentary networking reception for delegates, exhibitors and speakers

17.15 - 18.15

This event will take place in the exhibition hall. More info will be released in due course.

speaker agenda - day one

Conference Agenda

Wednesday 29 March 2023



08.30 - 09.00 Arrival

09.00 - 09.10 Opening Remarks

Peter van Schie, Event Director, MCI

Session 5

Moderator: Hanh Le-Griffin, Burns & McDonnell

09.10 - 09.35 **Terminal safety**

Many people forget how dangerous working on the waterfront can be. A terminal can have many dangers. These range from unsafe vehicle handling to the way a yard is set up to damaged containers being placed at the bottom of a pile and more. There are many reasons terminals automate from improved efficiency to cost savings to staying competitive to improving processes, but the number one thing at the top of this list should be safety. Herein, the speaker will go over scenarios and associated technology.

Peter Knox, Vice President of Business Development, North America, Camco Technologies, USA

09.35 - 10.00 **The use of laser technology to improve safety**

The speaker will examine the use of laser and the latest technology in order to improve safety when moving containers.

Speaker tba, Lase, Germany

10.00 - 10.25 **Application of camera and artificial intelligence in identification of vessels in ports**

This presentation will discuss a case study on the use of camera and artificial intelligence combined with AIS, radar and other existing technologies to detect, identify and categorize vessels automatically.

Vijay Agrawal, VP, Director - Goods Movement, Americas, AECOM, USA

10.25 - 10.35 Q&A Session

10.35 - 11.00 Refreshment break

Session 6

Moderator: Jim Girouard, AECOM

11.00 - 11.25 **Anti-slag load systems**

The speaker will give an explanation of slag load alongside some examples, as well as an overview of the current available anti-slag load protection systems and their differences. The presentation will also focus on prevention instead of just reaction.

Johannes Kring, Managing Director, SIBRE, Germany

11.25 - 11.50 **Automatic coupling systems - market update and pros/cons**

Beginning with an introduction on automatic coupling systems, including the benefits such as saving manual coupling time, the speaker will lay out the technology's market potential for container terminals, intermodal hubs, logistic terminals and distribution centers as well as its pros and cons. Moreover, recent examples of US projects will be given.

Dick Eichhorn, Electrical Engineer, Aucos Systems, Germany

11.50 - 12.15 **Implementing crane OCR in brownfield operations**

As terminal operators consider crane OCR solutions to automate identification of container numbers, their condition and manage hand-off to and from the STS cranes, a simple installation and integration is now available. CERTUS will present a case study on the ease of installation on the crane with an integration that does not compromise on industry leading crane OCR performance.

Benjie Wells, VP Business Development - Americas, Certus Port Automation, USA

12.15 - 12.30 Q&A Session

12.30 - 14.00 Lunch

Session 7

Moderator: Nigel Nixon, Nigel Nixon & Partners

14.00 - 14.25 **Steel asset protection rust proof piling in ports and terminals**

The speaker will share how rustproof MARINER™ Steel is used to protect the carbon steel assets of ports and terminals and will describe in detail the technology that allows for the steel to come with a 50 year warranty. Usage detail will be revealed along with customer ranked benefits, including health safety and environmental benefits.

Rob Wendt, President, Sheet Pile, USA

14.25 - 14.50 **Reducing cost and improving uptime with FlexiFlippers**

FlexiFlippers are replacing standard rigid flippers on STS spreaders across the US. The speaker will present product data and case studies on how the product reduces cost and improves uptime. Breakdowns related to spreaders are the number one cause of spreader downtime and spreader downtime is the number one cause of downtime in ship-to-shore cranes.

Marcel VandenTop, President, Intella Parts, USA

14.50 - 15.15 **Design and construction of heavy duty pavements on poor quality subgrades**

Many terminals have been built on poor soil and most operators experience significant pavement degradation. The paper addresses proper foundation treatment "from the get go" so pavements remain high performance elements without premature failures, thus lowering the life cycle cost and minimizing interruption to terminal operations.

Elham Farzam, President & CEO, Infrastructure Consulting & Engineering and Adam Davisson, Project Manager, Engineering, South Carolina Ports, USA

15.15 - 15.30 Q&A Session

15.30 - 15.50 Refreshment break

Session 8

Moderator: Peter van Schie, MCI Media

15.50 - 16.15 **Presentation TBA**

Details will be released in due course.

Speaker to be announced

16.15 - 16.40 **Floating automated ship-to-ship terminal**

Many ports cannot accommodate very large container vessels (VLCVs). Floating Automated Ship-to-Ship Terminal (FASST™) enables second tier and congested ports to receive VLCVs and large bulk carriers. Offshore in deep water, the FASST is tethered to a single-point mooring which is also a weathervaning link between it and a geostatic subsea shore-power connection. It is connected to a shoreside terminal via a fleet of purpose-built ocean-going barges or by a dedicated container conveying system. The presentation examines the concept.

Reece Shaw, Ports & Maritime Project Manager, Burns & McDonnell, USA

16.40 - 17.05 **Container tower matrix port solution**

The speaker will explain the merits of the container logistics high storage system and automation. Unique from BoxBay, CLI's exclusive US patented stacker crane inserts boxes into racks with a rolling shuttle versus a cantilever arm system (which requires a heavier duty crane system) making it more cost effective.

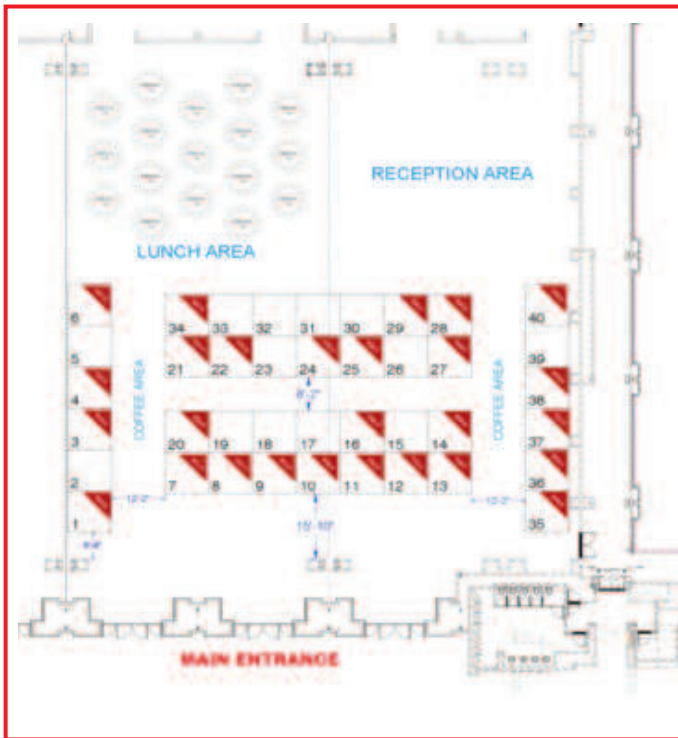
Richard Lydle, CEO & Founding Member, Container Logistics International, USA

17.05 - 17.10 Q&A Session

17.10 - 17.15 Closing Remarks

speaker agenda - day two

See you in Savannah!



2023 exhibitors:

AUCOS Systems
Control Chief
igus
Columbus McKinnon/Magnetek
Musco Lighting
World Port Development
Phoenix Lighting
Dellner Bubenzer USA
SIBRE Siegerland Brakes USA
Tsubaki - Kabelschlepp
VAHLE
Visy Oy
Hyster Company
Conductix-Wampfler
Horsburgh & Scott
J.R. Merritt Controls
ZPMC USA
Prysmian Kabel und Systeme
ESL
Gantrex
Luoyang Wire Rope Inspection
Camco Technologies
Brieda Cabins
Business Finland
Global Rigging & Transport
Inamer-FlexiFlipper/Intella
Malmedie/Lase
Southeast Industrial Equipment

Travel & Accommodation

All participants are responsible for the arrangement and payment of their own travel and accommodation.

You will receive further information upon registration.

Venue

The event will take place at:
Savannah Convention Center, Georgia
Further information upon registration.

Organizers

MCI Media Limited
Suite 111, Maple Court
Grove Business Park
White Waltham, SL6 3LW
United Kingdom

Email: claire@mcimedia.com
Tel: [44] 1628 820 046



Sponsorship

MAXIMIZE your budget

Organizations can enhance their profile by sponsoring event materials. Take a leading role and put your name in front of decision makers, launch a new product, establish your brand and cement yourself as a market leader!

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NETWORK with attendees

Exhibitors can maximize their prominent role at the event by taking advantage of our Silver & Gold exhibition packages offering VIP guest delegate passes. Book today and invite new, existing & potential customers!

For further information on our Silver or Gold exhibition packages and to book email claire@mcimedia.com

Exhibition

BOOK your booth now

Our niche, targeted and intimate exhibition, comprising a select group of elite market leaders, provides a unique opportunity to meet companies, and organizations who service the port, terminal and maritime industry.

Unlike the big trade shows, our USP is our quality over quantity approach, ensuring exhibitors a focused, relevant and high-level audience of key port and terminal representatives - therefore, the exhibition is not open to the public and/or visitors - **it is open to registered delegates only**. Each exhibiting company is entitled to **one** delegate registration per booth.

Additional representatives

Beyond your complimentary delegate and exhibitor staff, any other representatives wishing to attend must register as 'colleague delegates'.

MEET clients & customers

Standard exhibition package

8ft x 10ft (approx) pipe and drape exhibit space
One complimentary delegate registration with full event access
Skirted and dressed table, 2 chairs, waste basket & company name panel
Recognition and company profile in the event guide
Company logo with hyperlink to your site on the event website
Access to the attendee list prior to the start of the event
Early-bird rate: £3,100.00 - Ended 1st December 2022
Standard rate: £3,225.00 - Ends 24th March 2023
On-site rate: £3,545.00 - After 24th March 2023

Exhibitor staff

Each exhibitor is entitled to book **two** booth personnel at £280.00 per person & will receive access to the exhibition, lunches & refreshment breaks.

Who should exhibit?

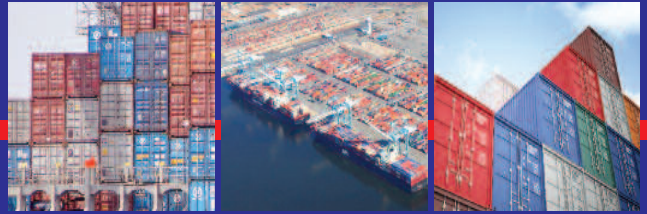
Manufacturers and suppliers of:

Quayside cranes, crane components, crane control and drive systems, reachstackers, FLTs, terminal tractors, trailers and chassis systems, straddle carriers, mobile harbour cranes, general cargo cranes, cable reels, cables, brakes, crane rails, engines, tyres, RMGs/RTGs, gantry cranes, spreaders, ropes, terminal planning and automation systems, port construction, consultancy services, AGVs, floating cranes, heavy lift, crane transportation, paving/surfacing, fenders, steel sheetpiling, quay construction, navigation aids, mooring systems, linkspans and those who service the port industry.

register online at www.mcimedia.com

Exhibition Booking Form

28 & 29 March 2023



YES, I want to exhibit at **PORT & TERMINAL TECHNOLOGY USA 2023**

Please complete all the relevant sections below and authorize by signing in the signature slot provided.

We are unable to process bookings without full payment - please provide credit card details below - alternatively, details for bank transfer will be sent in your confirmation email.

Fees are quoted, and taken, in UK Pounds Sterling - US Dollar fees charged by your bank/card provider will vary according to daily exchange rates.

Each exhibiting company is entitled to one complimentary full delegate registration only and to book & pay for a maximum of 2 exhibitor staff / booth personnel.

Any other representatives wishing to attend in addition to the above, or those wanting full access, must register as 'colleague delegates' as per the stated fees.

YOUR DETAILS:

If you book the booth this does not automatically grant you event access, each exhibiting company is entitled to one complimentary delegate only to be nominated below.

Mr/Mrs/Ms/Miss

First Name Family Name

Position E-mail

Company Telephone

Address

County/State..... Post/ZIP Country

Signature Date

DESIGNATED COMPLIMENTARY DELEGATE:

Each exhibiting company is entitled to one complimentary delegate registration only.

Please enter the details of your designated delegate below (if details are the same as above leave blank). Name changes/substitutions are permitted prior to the start of the event.

Mr/Mrs/Ms/Miss

Name Position

E-mail

ADDITIONAL BOOTH STAFF:

Additional booth staff (max 2 people) are charged at £280.00 per person and receive two-day access to exhibition hall, lunches & refreshment breaks only

Mr/Mrs/Ms/Miss

Name Position

Position

E-mail

Mr/Mrs/Ms/Miss

Name

Position

E-mail

SECURE YOUR BOOTH TODAY!

Only a limited number of booths available.

Book today and secure your place at our niche technical exhibition comprising of a select handful of elite industry experts and market leaders!

Promote your products and services to a focused target audience and network with existing and new clients!

The exhibition is open to registered delegates only.

The booth rate is £3,225.00 and includes:

- 8ft x 10ft (approx) pipe and drape exhibit space
- one complimentary delegate registration with full event access
- skirted and dressed table with two chairs
 - waste basket
 - company name panel
- recognition and company profile in the event guide
- company logo with hyperlink on event website
- access to the attendee list prior to start of event

PAYMENT:

Full payment must accompany all booking forms

Name of cardholder:

Card billing address: (if different from above)

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Security code: (Visa/Master - 3 digits on back of card)
(Amex - 4 digits on front of card)

Expiry date: /

Visa/Mastercard: AMEX: Signature

fax: [44] 1628 822 938 or email to claire@mcimedia.com