2020 Smart Ports
"Envisioning the New Decade"

American Association of Port Authorities
Alliance of the Ports of Canada, the Caribbean, Latin America and the United States

February 5-6, 2020
DoubleTree by Hilton – San Pedro / Port of Los Angeles
2800 Via Cabrillo-Marina • San Pedro, CA 90731

Wednesday, February 5th

8:15 – 8:45 a.m.	**Registration/Continental Breakfast** – *Sponsored by* **Saab Technologies Ltd.**
8:45 – 9:15 a.m.	**Welcome and Opening Remarks** *Chief Tom Gaszi, Deputy Executive Director, Emergency Operations and Public Safety and Chief of Port Police, Port of Los Angeles* *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* *Michelle R. Thames, IT Committee Chair and IT Chief, PortMiami*
9:15 – 10:15 a.m.	**Smart Ports: Key Challenges and Opportunities** *A futurist's perspective on smart ports in the Western Hemisphere will address topics such as the challenges of digital transformation, the redefinition of human-machine relationships, the future of work and jobs, privacy in the era of big data and the sharing economy.* ***Moderator:*** *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* ***Speakers:*** *Ashebir Jacob, Senior Port Engineer, Moffatt & Nichol* *Bart Vermeer, Senior Manager Terminal Automation, Moffatt & Nichol*
10:15 – 10:30 a.m.	**Break**
10:30 a.m. – 11:15 a.m.	**Envisioning Tomorrow's Terminal: Improving Cargo Flow from Ship to Gate** *This session will explore what North American terminal operators are successfully doing with IT to improve their port's performance, how they benefit from these efforts, and what remains to be done.* ***Introduction:*** *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* ***Speaker:*** *Mark Sisson, P.E., Vice President, Senior Port Planner/Analyst, AECOM*

Wednesday, February 5th *(continued)*

11:15 a.m. – 12:00 p.m.	**Implementing an Interconnected Supply Chain** *Disparate systems within the supply chain must be coordinated into a holistic solution. Presenters will share their understanding of the different levels of digitization ports and their partners must undergo to improve the flow of cargo; the benefits of an information exchange between parties for operational efficiency; and how ports can play a leadership role in new digital strategies.* ***Introduction:*** *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* ***Speaker:*** *James Shefelbine, Principal Product Manager, Wabtec*
12:00 – 1:00 p.m.	**Lunch** – *Sponsored by **Wabtec Corporation**
1:00 – 2:15 p.m.	**Opportunities and Challenges Surrounding Automation** *Automation is a critical issue at the forefront of discussions surround port and terminal development. As organizations responsible for cargo handling work to capitalize on the opportunities that automation provides, ports must be sensitive to concerns of the workforce and responsible in their role as job creators and economic engines for their regions.* ***Moderator:*** *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* ***Speakers:*** *Weston Labar, Chief Executive Officer, Harbor Trucking Association (San Pedro, CA)* *Dane Jones, Clerks Technology Coordinator, International Longshore and Warehouse Union* *Chad Lindsay, Vice President, Pacific Maritime Association*
2:15 p.m. – 2:30 p.m.	**Break**
2:30 - 3:30 p.m.	**Cybersecurity: A New Era of Threat Detection, Deterrence and Response** *Commercial ports are critical infrastructure since the disruption or destruction of their operations would have a significant impact on people, economies, and the environment. Forward-leaning ports will offer sage advice on critical services that rely on emerging information and communication technologies to not only detect, but thwart, today's advanced cyber threats.* ***Moderator:*** *Tony Zhong, CISSP, GCIH, Chief Information Security Officer, Port of Los Angeles* ***Speakers:*** *Apollo Victoria, Senior Security Analyst, Port of Los Angeles* *Robert Carey, Vice President of Global Public Sector Solutions, RSA*
3:30 – 3:45p.m.	**Break**

Wednesday, February 5th

3:45 – 5:00 p.m.	**Calculating and Communicating the ROI on Digital Solutions** *Ports and their partners are faced with decisions regarding whether or not to outlay substantial resources to implement technology solutions. As executives look for input on whether or not to allocate funds and staff time for both capital costs and operating costs CIOs and other organizational leaders must be prepared to demonstrate the cost-benefit and ROI on digital solutions.* ***Moderator:*** *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* ***Speakers:*** *Matthew Prumm, Global Lead - Business Development, DHI Water & Environment, Inc. (Seaport OPX)* *Zac Canody, Director, Engineering, The Port of Virginia* *Carl Rundell, Executive, TSPS* *Misty Stine, Executive Vice President of Business Development, eX² Technology LLC*
5:00 – 6:00 p.m.	**Reception**

Thursday, February 6th

8:30 – 9:00 a.m.	**Continental Breakfast** E2OPEN® Demand. Supply. Delivered.
9:00 – 9:45 a.m.	**Machine Learning and Artificial Intelligence** *Get smart about machine learning as it relates to port and supply chain technology. Understand the differences between narrow intelligence, general intelligence and super intelligence and what it can mean for the supply chain when machines can learn.* ***Introduction:*** *Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities* ***Speaker:*** *Pavel Skournik, Head of Ports and Terminals Management, Saab Technologies Ltd.*
9:45 – 11:00 a.m.	**The Role of IT in All-Hazards Recovery** *As ports and their partners continue to confront an array of risks from a variety of hazards, their risk analyses must include not only threats to physical infrastructure but also network infrastructure. Whether addressing the impacts of a weather event, power disruption or security incident, digital solutions must be part of every organization's emergency preparation, response and recovery.* ***Moderator:*** *April Danos, Director of Homeland Security & Technology, Port Fourchon* ***Speakers:*** *Brant Mitchell, Director, Research & Operations, Stephenson Disaster Management Institute, Louisiana State University* *Chris Millar, President, Datastew LLC* *Commander Marshall Newberry, Sector LA-LB Chief of Prevention, USCG*

Thursday, February 6th *(continued)*

11:00 – 11:15 a.m.	**Break**

11:15 a.m. – 12:30 p.m.

Advanced GIS Applications
Many ports have been utilizing GIS in a variety of applications and settings, but there are always new applications and uses for this proven technology. Is your port using GIS to its fullest extent and capability?

Moderator:
Meredith Martino, Vice President of Member Engagement, American Association of Port Authorities

Speakers:
Daniel Elroi, President & CEO, NorthSouth GIS LLC
Shaun Healy, GIS Coordinator, Port of Long Beach
Caitlyn Raines, Maritime Project Manager, Esri
James van Dyk, Tech Sales & Marketing Manager, VertiGIS (Latitude Geographics)

12:30 – 1:30 p.m.

Lunch – *Sponsored by eX² Technology*

1:30 – 2:30 p.m.

Technology in the Cruise Experience
Cruise ports face special challenges and can capitalize on unique opportunities when it comes to technology. Beginning with intelligent parking solutions, continuing with integrated video monitor solutions in cruise terminals and ending with facial recognition software for security screening and boarding, the cruise passenger is touched by technology at nearly every step of his/her experience.

Introduction:
Michelle R. Thames, IT Committee Chair and IT Chief, PortMiami

Speaker:
Michael Terebessy, IoT Product Specialist, Cisco

2:30 – 2:45 p.m.

Break

2:45 – 3:45 p.m.

Developing a Change Management and Workforce Strategy to Improve Capability Gaps
This panel will delve into the struggles different ports and organizations have undergone in addressing workforce capabilities related to the intersection of technology and operations.

Moderator:
Paul Pope, Port Tampa Bay

Speakers:
Stephen Edwards, President and Chief Executive Officer, TraPac LLC
Avin Sharma, Director of Labor Relations and Workforce Development, Port of Los Angeles

3:45 – 4:00 p.m.

Conference Recap and Seminar Adjournment