



MONDAY, MARCH 15, 2021

- 12:00 PM** **Introduction**
Kevin Clement, Director
Port of the Future Conference
- 12:10 PM** **Dean's Welcome**
Anthony Ambler, Dean, College of Technology
University of Houston
- 12:30 PM** **Keynote Address**
- 1:05 PM** **Keynote Address**
Port of Houston
- 2:00 PM** **Keynote Address**
Admiral Karl Schultz, Commandant
United States Coast Guard
- 2:45 PM** **Port of Beirut Explosion**
Steve Sin, Ph.D., Director, Unconventional Weapons & Technology Division
National Consortium for the Study of Terrorism & Responses to Terrorism (START)
- 3:40 PM** **Nessie lives, but she is not a mammal: How to keep your port clear of bad gut tech**
Chris Colwin, CEO
Platinum East
- 4:35 PM** **Panel: Free Trade Zones**

TUESDAY, MARCH 16, 2021 – CHAMBER 1

TRACK: DIGITALIZATION AND DATA SHARING

- 8:30 AM** **Machine Learning and Artificial Intelligence: Taking Risk Management to the Next Level**
Alan Bersin, Executive Chairman
Atlanta AI
- 9:05 AM** **Panel: Trade Lens**
- 10:10 AM** **KEYNOTE: Digitalization and Information Sharing**
Erwin Verstraelen, Chief Digital Information and Innovation Officer
Port of Antwerp

10:45 AM **Panel: Ports and the Internet of Things**
Muge Wood, Director-Houston Technology Center, Microsoft (Moderator)
Ranga Vadlamudi, Principal Program Manager for IoT, Microsoft
Travis Black, Port Infrastructure Development Planning Team Lead, MARAD
Jana Kiram, Analyst/Advisor/Architect, Forbes

11:50 AM **Panel: Blockchain and Data Sharing Technology**
Darren Shelton, Quality Systems Director, Moran Shipping (Moderator)
Jonathan Atneault, CEO, FuelTrust
Andrew Bruce, CEO, DataGumbo

TRACK: AUTOMATION

1:00 PM **Panel: Automation in Ports of the Future**
Maria Burns, Director, Logistics & Transportation Policy Program, University of Houston (Moderator)
Erik Tello, Area Manager, Delivery Operations, Amazon
Dave Morgan, CEO, Cooper/Ports of America
Vivek Barve, Manager, Digital Performance, Kongsberg Maritime
Mihir Patel, Commodity Manager, Mitsubishi Caterpillar Forklift America Inc. (MCFA)

2:05 PM **Panel: Autonomous Surface Vessels**
Brian L. Dolph, Surface Branch Chief, U.S. Coast Guard Research & Development Center (Moderator)
Rich Heine, Chief Operating, Financial Officer, ThayerMahan
Mike Benjamin, Ph.D., Principal Research Scientist, Marine Autonomy Lab MIT
Richard Jenkins, Founder & CEO, Saildrone

3:10 PM **Panel: Intelligent Transportation Systems**
Maria Burns, Director, Logistics & Transportation Policy Program, University of Houston (Moderator)
Bill Keyes, Global Logistics Director, Fluor
William Ashley, Senior Consultant, Booz Allen Hamilton
Lacenia Calloway, Logistics Manager, Deugro Group
Tanya Cortez, Senior Production Planner, Kaneka North America

4:15 PM **TERMONT (Montreal)**

TUESDAY. MARCH 16. 2021 – CHAMBER 2

TRACK: SENSORS, SCANNING, AND SURVEILLANCE

8:30 AM **Sensing Technologies for Maritime Security**
Hady Salloum, Director, Maritime Security Center, Stevens Institute of Technology

- 9:05 AM** **Panel: Sensors, Scanning, and Surveillance**
Joel Aud, Principal, Lean Tail Labs (Moderator)
Brian Sale, Branch Chief, Manifest & Conveyance Security, Office of Field Operations, US Customs & Border Protection
Mike Edgerton, Port Security Manager, Port Authority of New York/New Jersey
Hady Salloum, Director, Maritime Security Center, Stevens Institute of Technology
Ron May, Senior Advisor, Trusted Partnership Programs, CT Strategies
Shawn Beddows, Vice President, Global Services, CT Strategies
- 10:10 AM** **Panel: Connected Port – Digital Twin**
Piet Opstaele, Innovation Manager, Port of Antwerp
- 11:15 AM** **AnCOR Project: Analysis for Coastal Operational Resiliency**
Dana Tulis, Project Manager, U.S. Coast Guard
- 11:50 AM** **NOAA’s National Ocean Service supporting Safety & Efficiency of U.S. Seaports through Precision Marine Navigation**
Quentin Stubbs, Ph.D., Regional Navigation Manager, Texas, NOAA
Christopher DiVeglio, Maritime Services Program Manager, NOAA
- 12:25 PM** **Panel: Unmanned Aerial Systems**
Jason Blevins, Associate Director of UAS, Lonestar UAS Center of Excellence (Moderator)
LCDR Dominic Bucciarelli, Short Range UAS Platform Manager, U.S. Coast Guard
Bob Spanoghe, Innovation Platform Manager, Port of Antwerp
Matt Zylter, Consultant, Martin UAV

TRACK: PORT SECURITY AND RESILIENCE

- 1:30 PM** **Maritime Incident Response Teams**
William Burket Jr, Director, MIRT and Emergency Operations, Port of Virginia
- 2:05 PM** **Panel: Port Resilience**
Katherine Chambers, Asset Manager Specialist, U.S. Army Corps of Engineers (Moderator)
Austin Becker, Ph.D., Associate Professor Marine Affairs, Coastal Institute, University of Rhode Island
Patricia Gaynor, Supervisory Engineer, Office of Port Infrastructure Development, MARAD
Sandra Pinel, Engagement Lead & Regional Planner, CISA
- 3:10 PM** **Panel: Port Security**
Mark Dupont, Executive Director, National/International Maritime Law Enforcement Academy (Moderator)
Wanda Gordon, Director, Global Security Strategy, Maritime Security Resilience Alliance, MPS-ISA
Craig Moss, Sr. Program Manager, National Security Programs, Oak Ridge National Laboratory

William Watson, Managing Director, William Watson Group
Mike Edgerton, Port Security Manager, Port Authority of New York/New Jersey

4:15 PM

Panel: Black Swan Incidents

Michael Farrell, Captain, U.S. Coast Guard (retired) (Moderator)
Marcus Wooding, Port Houston
Christopher Colwin Psy.D., Ph.D., CEO, Platinum East
Steve Ribuffo, Director, Port of Alaska (Anchorage)
Paula DeWitte, Associate Professor, Cybersecurity, Texas A&M

WEDNESDAY. MARCH 17. 2021 – CHAMBER 1

TRACK: ENERGY EFFICIENCIES AND ALTERNATE FUELS

8:30 AM

Decarbonization in Shipping: All Hands on Deck

Katherine Trauth, General Manager, Shipping & Maritime Americas, Shell

9:05 AM

Panel: Energy Efficiencies (Decarbonization)

Charles McConnell, Energy Center Officer of the Center for Carbon Management and Energy Sustainability, University of Houston (Moderator)
Dave Edwards, Ph.D., Director & Advocate for Hydrogen Energy, Air Liquide
Krishna Achuthanandam, Shell
Martha Ramos-Gomez, Head of Assurance and Low Carbon O&G North America, DNV GL USA, Inc.
Domagoj Baresic, Ph.D., Research Associate, UCL Energy Institute

10:10 AM

Panel: Hydrogen Fuels

David Cummins, Private Consultant (Moderator)
Dave Edwards, Ph.D., Director & Advocate for Hydrogen Energy, Air Liquide
Sotirios Mamalas, Manager, Global Sustainability Group, ABS

11:15 AM

Panel: Liquefied Natural Gas

LCDR Eric Hanson, Detachment Commander, U.S. Coast Guard Liquefied Gas Carrier National Center of Expertise (Moderator)
Rick Schiappacasse, Director, Special Projects, Jacksonville Port Authority
Robert Butts, Energy Manager, Pivotal LNG

TRACK: ENERGY IN PORTS

12:30 PM

Houston Low Carbon Energy Capital: Four Ways Forward

1:05 PM

Panel: Electrification in Ports

Brett Perlman, Center for Houston's Future (Moderator)
Travis Sheehan, Shell Cities

- 2:10 PM** **Panel: Fuel Cells, Batteries and Microgrids**
Pinakin Patel, President, T2M Global (Moderator)
Charles Meyers, Department of Energy
Johan Burgren, Plug Power
Bob Toby, Sr Vice President, Fuel Cell Energy
Anima Bose, Associate Professor, University of Houston
- 3:15 PM** **Panel: Hydrogen in Port Operations**
Jane Stricker, Senior Relationship Manager, bp p.l.c. (Moderator)
Diddier Van Osselaer, Program Manager Sustainable Energy, Port of Antwerp
Matthew Arms, Director Environmental Planning, Port of Long Beach
David Cummins, Private Consultant
- 4:20 PM** **Panel/Presentation: Washington Maritime Blue**
Joshua Berger, Board Chair & Founder, Washington Maritime Blue

WEDNESDAY, MARCH 17, 2021 – CHAMBER 2

TRACK: CYBERSECURITY

- 8:30 AM** **Maritime Cybersecurity & National Maritime Cybersecurity Plan**
Gary Kessler, Ph.D., Author, Gary Kessler Associates
- 9:05 AM** **Panel: The Maritime Security Threat**
Henry Sienkiewicz, Author/Educator, Port of the Future Advisory Board (Moderator)
Gary Kessler, Ph.D., Author, Gary Kessler Associates
LT Nicholas Fredericksen, Deputy, Maritime Cybersecurity Readiness Branch, U.S. Coast Guard Cyber Command
Chris DeWitt, Co-Founder/Managing Director, CyberMariner
Scott Blough, Executive Director, Center for Cyber Defense & Forensics, Tiffin University
- 10:10 AM** **Panel: Maersk/NotPetya and Garmin Cyber Incidents**
Rhyner Washburn, Cyber Intelligence Researcher, National Consortium for the Study of Terrorism & Response to Terrorism
- 11:15 AM** **Port and MTSA Cybersecurity Guidelines**
Marco Ayala, Sector Chief, Maritime Domain CSC Infragard (Moderator)
Nick Parham, Security Specialist, U.S. Coast Guard
Chris Wolski, Director, Information Security, Port Houston
Paula DeWitte, Associate Professor, Cybersecurity, Texas A&M
Mike Ziesemer, Security Manager – FSO, Turning Basin, Woodhouse, Old Manchester Terminals
- 12:20 PM** **Port of Los Angeles Cybersecurity Center**
- 12:55 PM** **Maritime Security – The Business Perspective**
Mike Edgerton, Manager, Port Security, Port Authority of New York/New Jersey

TRACK: SUPPLY CHAIN RESILIENCE AND LOGISTICS

- 1:30 PM** **Maritime Supply Chain Resilience**
Tom Derry, CEO, Institute for Supply Management
- 2:05 PM** **Panel: Maritime Supply Chain Resilience**
Gary Gordon, Ph.D., Senior Adjunct Professor, University of Massachusetts – Lowell (Moderator)
Carrie Kinsler, TXR Logistics
Bruce Mann, Director, Freight Mobility, Port of Houston
Tom Derry, CEO, Institute for Supply Management
Richard R. Young, Ph.D., FCILT, Distinguished Professor Emeritus of Supply Chain Management, Pennsylvania State University
- 3:10 PM** **Panel: First Mile/Last Mile: Connection of Ports to Inland Transportation Systems**
GeirEilif Kalhagen, Director, Maritime Division, Texas Department of Transportation (Moderator)
Eric Johnson, Executive Director, Port of Tacoma
Dr. Noel Hacagaba, Deputy Executive Director/COO, Port of Long Beach
James Dilman, President, Gateway Terminals (Connecticut)
- 4:15 PM** **Practitioner-based Initiatives for Improving Inbound Container Security**
Gary Gordon, Ph.D., Senior Adjunct Professor, University of Massachusetts – Lowell
Richard R. Young, Ph.D., FCILT, Distinguished Professor Emeritus of Supply Chain Management, Pennsylvania State University

THURSDAY, MARCH 18, 2021 – CHAMBER 1

TRACK: AIR FREIGHT AND TRAVEL

- 8:30 AM** **Athena Project**
Robert Howard, Executive Vice President of Operations, Dallas-Fort Worth International Airport
- 9:05 AM** **Los Angeles/Long Beach Seaport and ALERT COE Non-Intrusive Inspection Technology Trial**
Victor Todorov, U.S. Customs and Border Protection
Emel Bulat, Ph.D., START, Northeastern University
- 9:40 AM** **Keynote**
Austin Gold, Assistant Administrator: Requirements & Capability Analysis, TSA
- 10:15 AM** **Panel: Non-Intrusive Inspection and Scanning Technologies**
Thomas Overacker, Executive Director, Cargo & Conveyance Security, Office of Field

Operations, US CBP (Moderator)
Dmitry Kourouski, Ph.D., Assistant Professor Department of Biochemistry & Biophysics,
Department of Biomedical Engineering, Texas A&M
Tanya Acevedo, Chief Technology Officer, Houston Airports
Andrew Farrelly, CEO, CT Strategies

11:20 AM **Panel: Inspiring Confidence in Air Transport**
Kirk Shaffer, Associate Administrator for Airports, FFA (Moderator)
Dan Ewell, Deputy Administrator, FAA
Sharon Pinkerton, Senior Vice President, Legislative & Regulatory Policy, Airlines for
America
Scott Brockman, CEO, Memphis International Airport
Lillian Rambo, Chief Terminal Management Officer, Houston Airports

12:25 PM **Panel: Blue Lightning – Countering Human Trafficking**
Judson Murdock, Director, Field Operations, U.S. Customs and Border Protection
(Moderator)
Mark Dawson, Special Agent in Charge, Homeland Security Investigations, U.S. Customs
and Border Protection
Scott Alexander, Director, International Relations, Houston Airports

1:30 PM **Port Capital Projects Decision Making**
Patricia Gaynor, Supervisory Engineer, Office of Port Infrastructure Development,
MARAD

2:05 PM **Panel: Port Strategic Asset Management**
Erik Stromberg, Executive Director, Center for Advances in Port Management, Lamar
University (Moderator)
Tom Heidt, COO, Port Houston
Ryen Tabet, Atkins Global
Daniel Elroi, President & CEO, North South GIS

THURSDAY, MARCH 18, 2021 – CHAMBER 2

TRACK: ADVANCES IN BIOMETRICS

8:30 AM **Leveraging Biometrics for Highly Assured Identify and Stronger Security**
John Boyd, Assistant /Futures Identity, DHS – Office of Biometric Identity Management
Director

9:10 AM **Panel: Advances in Biometric Modalities – Finger, Face, Voice and DNA**
John Boyd, Assistant /Futures Identity, DHS – Office of Biometric Identity Management
Director (Moderator)

Dr. Christine Hughes, Principal Research Scientist, Center for Naval Analysis
Dr. James Wayman, Senior Advisor, DHS – Office of Biometrics

11:20 AM **Panel: How Advanced INS Biometrics enable Critical Homeland Security Operations**
Patrick Nemeth, Identity Operations Division Director, DHS – Office of Biometric Identity Management (Moderator)
Jason Lim, Program Manager, DHS – Transportation Security Administration
Jason Thompson, Assistant Chief, DHS – US Border Patrol

1:00 PM **Arctic Shipping Risk/Risk Management**
Randy “Church” Kee, MG, USAF (ret), Executive Director, Arctic Domain Awareness Center (ADAC)

1:35 PM **Panel: Environmental Compliance**
Carleen Lyden Walker, NAMEPA (Moderator)
CAPT Anuj Chopra, Vice President, Americas, Rightship
CAPT Glenn Wilshire, Port Everglades
Kathy Metcalf, Chamber of Shipping of Americas