PORTS® ‘22
Honolulu, Hawaii | September 18-21, 2022
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Schedule-at-a-Glance (Subject to Change)

Sunday, September 18
6:00–11:30 a.m. Registration Open, Coral Lounge
7:00–11:30 a.m. Optimization of Port Operations Using Simulation Modeling Short Course, South Pacific 1
7:00–11:30 a.m. Design and Construction of Large Floating Structures Short Course, Sea Pearl 1/2
7:00–11:30 a.m. Seismic Design of Piers and Wharves Short Course, Sea Pearl 3/4
7:00 a.m.–5:00 p.m. Vessel Mooring and Berthing Short Course, South Pacific 1
7:00 a.m.–5:00 p.m. Inspection, Testing, and Rehabilitation of Waterfront Structures Short Course, South Pacific 2
7:00 a.m.–5:00 p.m. Modeling and Resilient Design Against Tsunami Hazards Short Course, South Pacific 3
12:30–5:00 p.m. Planning, Design, and Implementation of Automated Terminals Short Course, South Pacific 4
12:30–5:00 p.m. Theory and Design of Floating Wave Attenuators Short Course, Sea Pearl 1/2
12:30–5:00 p.m. Dredging 201 Short Course, Sea Pearl 3/4
11:30 a.m.–12:30 p.m. Registration Closed for Lunch Coral Lounge
12:30–6:30 p.m. Exhibitor Move-in, Coral Ballroom 1-3 & Lounge
12:30–7:00 p.m. Registration Open, Coral Lounge
12:30–5:00 p.m. Speaker Check-in, Hibiscus
3:30–5:30 p.m. Student & Young Professionals Reception, Nautilus
3:30–5:30 p.m. Exhibits Open, Coral Ballroom 1-3 & Lounge
6:30–8:00 p.m. Ice Breaker Welcome Reception, Coral Ballroom 1-3, & Lounge
6:30–8:00 p.m. Hospitality Suite 1/2

Monday, September 19
6:00 a.m.–12:00 p.m. Registration Open, Coral Lounge
6:30–8:30 a.m. Opening Plenary, Coral Ballroom 4/5
6:30 a.m.–5:00 p.m. Exhibits Open, Coral Ballroom 1-3 & Lounge
8:30–10:00 a.m. Concurrent Technical & Special Sessions, see page 8
8:30–10:00 a.m. PIANC – Maritime Perspectives Across the Pacific, Nautilus
10:00–10:30 a.m. Exhibits Open, Coral Ballroom 1-3 & Lounge
10:30 a.m.–12:00 p.m. Concurrent Technical & Special Sessions, see page 9
10:30 a.m.–12:00 p.m. Panel Discussion – Freedom of Navigation, Nautilus
10:30 a.m.–12:00 p.m. Registration Closed for Lunch, Coral Lounge
12:00–1:00 p.m. Exhibit Hall Lunch, Coral Ballroom 1-3 & Lounge
12:00–1:00 p.m. Young Professional Networking Event, Coral Ballroom 4
1:00–5:00 p.m. Concurrent Technical & Special Sessions, see page 10
1:00 – 2:30 p.m.
3:00–4:30 p.m.

Tuesday, September 20
6:00 a.m.–12:00 p.m. Registration Open, Coral Lounge
6:30–8:00 a.m. Concurrent Technical & Special Sessions, see page 11
6:30 a.m.–5:00 p.m. Exhibits Open, Coral Ballroom 1-3 & Lounge
8:00–8:30 a.m. Exhibit Hall Networking Break, Coral Ballroom 1-3 & Lounge
8:30–10:00 a.m. Concurrent Technical & Special Sessions, see page 12
8:30–10:00 a.m. MarCom Working Group 208, Planning of Automated Container Terminals, Nautilus
10:00–10:30 a.m. Exhibit Hall Networking Break, Coral Ballroom 1-3 & Lounge
10:30 a.m.–12:00 p.m. Concurrent Technical & Special Sessions, see page 12
12:00–1:00 p.m. ASCE 61 Special Session, Sea Pearl 1/2
12:00–1:00 p.m. Exhibit Hall Lunch, Coral Lounge & Coral Ballroom III
12:00–1:00 p.m. Registration Closed for Lunch, Coral Lounge
1:00–2:30 p.m. Concurrent Technical & Special Sessions, see page 13
1:00–5:00 p.m. Registration Open, Coral Lounge
1:00–5:00 p.m. Speaker Check-in, Hibiscus
2:30–3:30 p.m. Gala Social Event, Bishop Museum, Buses depart the hotel from 5:45 to 6:00 p.m. and return between 9:30 and 10:00 p.m.
6:30–9:30 p.m. Young Professional Team Building Event, Dukes Beach - Hilton Hawaiian Village
4:30–5:30 p.m. Speaker Check-in, Hibiscus
6:00–7:00 p.m. Young Professional Happy Hour, Maui Brewing Co - Waikiki

Wednesday, September 21
6:00–11:00 a.m. Registration Open, Coral Lounge
6:30–8:00 a.m. Concurrent Technical & Special Sessions, see page 14
6:30–1:00 p.m. Exhibits Open, Coral Ballroom 1-3 & Lounge
8:00–8:30 a.m. Exhibit Hall Networking Break, Coral Ballroom 1-3 & Lounge
8:30–10:00 a.m. Concurrent Technical & Special Sessions, see page 15
10:00–10:30 a.m. Exhibit Hall Networking Break, Coral Ballroom 1-3 & Lounge
10:30 a.m.–12:00 p.m. Concurrent Technical & Special Sessions, see page 15
10:30 a.m.–12:00 p.m. Sustainability and Resilience in Port Engineering Practice, Nautilus
1:00–5:00 p.m. Exhibitor Move-out, Coral Ballroom 1-3 & Lounge
3:00–5:00 p.m. Pearl Harbor Tour, Offsite, Buses depart the hotel from 2:00 to 2:15 p.m. and load between 3:00 – 3:15 p.m. to return

Thursday, September 22
6:30–11:30 a.m. Ports & Harbors Committee Meeting, South Pacific 1-4
Welcome from the Conference Chair

Welcome to Honolulu, Hawai’i, and PORTS ‘22, the premier port engineering conference series in North America. As the sixteenth triennial PORTS conference, we strive to grow our community, honor our technical traditions, and build future success by providing an exceptional learning and networking environment for all participants. Aligned with our theme, Knowledge Sharing for a Better Tomorrow, PORTS ‘22 participants will be exposed to the latest developments in the port industry and benefit from direct interaction with professionals representing the broad range of specialties serving the greater port industry. We encourage everyone to take a look at all the conference has to offer:

- An expanded and technically diverse program with nearly 200 presentations with presenters from 15 countries representing 85 organizations
- Our Sunday Short Course Series of 9 technical classes taught by industry experts designed to further your professional knowledge
- 8 panel/round-table discussions devoted to timely topics such as climate change, asset management, port infrastructure funding, and navigational freedom in the Pacific among others
- 3 ASCE design standards sessions sharing new developments and standards committee recommendations regarding the design for piers, wharves, and bulkheads
- 2 PIANC Working Group sessions presenting new design guidelines regarding planning for container terminal automation and fender design principles
- 2 Special Presentation sessions dedicated to port industry topics of local interest to Hawaiian practitioners
- Our Exhibit Hall with 70 vendors catering to our industry with ample opportunities to view the exhibits and become more aware of the breadth of services and goods available to the port industry

In addition to the traditional program, PORTS ‘22 also provides numerous options for participants to connect with each other to maintain industry contacts, cultivate new relationships, and increase recruiting potential. Specific social events include:

- Sunday night’s Ice Breaker Welcome Reception
- Tuesday night’s Gala at the Bishop Museum
- Wednesday afternoon’s Navy-hosted Pearl Harbor Boat Tour

PORTS ‘22 also has an expanded student and younger professional program that provides specific educational and networking opportunities for the next generation of talented, energetic specialists in the port industry. Notable events developed specifically for younger professionals includes:

- Sunday night’s Young Professionals Welcome Reception
- A two-part networking opportunity Monday afternoon with a Team-Building Outrigger Canoe Race and a post-race Younger Professional Social
- The PORTS 101 series is a concurrent technical track where unique, port industry experience and knowledge is shared by expert practitioners in easily digestible 20-minute presentations

The professional interaction, exchange of ideas, and cultivation of new professional contacts and opportunities remain a hallmark of the PORTS ‘22 Conference series. I encourage everyone to experience new ideas and grow your knowledge while basking in the beauty of Hawai’i.

William M. Bruin, P.E., D.P.E., M.ASCE
Simpson Gumpertz & Heger
PORTS® ‘22 Organizing Chair

PORTS® ‘22 Organizing Committee Chairs
Organizing Chair: William M. Bruin, P.E., D.P.E., M. ASCE, Simpson Gumpertz & Heger
Short Course & PORTS 101 Chair: Danielle Goudreau,P.E., M.ASCE, Collins Engineers, Inc.
Keynote and Plenary Chair: Amanda Schindhelm, P.E., D.PE, M.ASCE, Marine Solutions, Inc.
Gala/Social Chair: Shannon Kinsella, P.E., M.ASCE, Reid Middleton
Student/YP Co-Chairs: Jon Benvenuto, LCDR, P.E., United States Coast Guard; Allison Digregorio, A.M.ASCE, Simpson Gumpertz & Heger
Sponsorship and Exhibitor Chair: Bradley Syler, P.E., S.E., M.ASCE, Marine Solutions, Inc.
Conference Staff
Tom Chase, Director, COPRI
Sean Herpolsheimer, Coordinator, COPRI
Lucy King, CMP, Senior Manager, Geo-Institute & COPRI
Conferences
Sean Scully, Senior Manager, ASCE Sponsorship and Exhibit Sales

Using the PORTS® ‘22 App
1. Download the “ASCE Events” mobile app
Scan this QR Code or go to the Apple App Store or Google Play and search for ASCE Events.

INSTALL and OPEN the ASCE Events mobile app, then look for the PORTS ‘22 Conference event icon in the bottom row to open the app

CLICK the icon to launch the event app.

2. Log in to the PORTS ‘22 Conference app
To start using the app, click on the login button, You will be redirected to the login page to enter your ASCE Credentials to log you into the app.

Don’t have an account? Use the Create Account option on the login page to set up an ASCE account.

3. Use the app and engage with the event!
Locate the schedule, add sessions to your personal schedule and search for your favorite session. Learn about our speakers, network and message other attendees (be sure to agree to “share” your information when you log in).

Our Expo Hall will be easy to navigate with the mobile app. Search for exhibitor’s names, or booth listing, then use the “Find Booth” button to locate the booth on the interactive Floor Plan. You can also take notes and save them right in the exhibitor’s profile listing in the app!

Sponsored by COLLINS ENGINEERS
Special Events

Sunday, September 18
6:30 – 8:00 p.m., Exhibit Hall, Coral Ballroom 1-3 & Lounge

Ice Breaker Welcome Reception
Included with full registration - Cash Bar
Kick off PORTS ’22 with friends, colleagues, young professionals, and distinguished award winners in the Exhibit Hall. Visit and talk with our exhibitors and sponsors as we begin another successful PORTS conference. Don’t miss this special opportunity to catch up with old friends and colleagues or make new contacts with similar interests.

Monday, September 19
3:00 – 4:30 p.m., Rainbow Suite 1/2

ACOPNE Induction Ceremony
Included with full registration
Get acquainted with your ACOPNE and COPRI colleagues and toast the newest Diplomates. Hawaiian Aloha business attire requested.

The Academy of Coastal, Ocean, Port & Navigation Engineers (ACOPNE) was launched in 2009 by the American Society of Civil Engineers (ASCE) to advance the practice in coastal, ocean, port, and navigation engineering by recognizing and certifying professional engineers in the profession. The ACOPNE is ASCE’s third elite professional academy, comprised of nearly 250 professional engineers, who have accumulated extensive training, project experience, leadership, and high-level expertise to become eligible for Board Certification as ACOPNE Diplomates.

Tuesday, September 20

Social Gala at the Bishop Museum
6:30 – 9:30 p.m.
Included with full registration
Discover Hawai‘i’s history and living culture, learn about Polynesian wayfinding, and experience the thrill of an erupting volcano. Join your colleagues for an exciting evening at Honolulu’s Bishop Museum. Enjoy delicious food, Hula dancers, and exclusive access to the Hawaiian Hall exhibit.

Buses will depart from the Hilton Hawaiian Village bus depot between 5:45 – 6:00 p.m. Buses will arrive at the museum between 6:30 – 6:45 p.m. Upon arrival you may visit the Hawaiian Hall exhibit in the museum or grab a drink and network with your friends and colleagues on the Great Lawn. Dinner service will follow during which Hawaiian musicians and dancers will take to the stage and entertain attendees. Buses will depart for the hotel between 9:30 – 10:00 p.m.

Wednesday, September 21

Pearl Harbor Tour
3:00 – 5:00 p.m.
Additional registration required
U.S. Navy staff will host a tour around Pearl Harbor and Ford Island. The tour is for attendees who have preregistered for the technical tour. Tour registrations are currently at capacity and any new registrants will be added to a wait list. Attendees should wear sleeved shirts, long pants, and closed-toe shoes.

Tour Schedule
2:00 – 2:15 p.m. Buses load and depart from the Hilton Hawaiian Village bus depot
3:00 – 3:15 p.m. Boat loads and departs
3:15 – 5:00 p.m. Tour (pre-registration required)
5:00 – 5:15 p.m. Buses load for return to Hilton Hawaiian Village
6:00 p.m. Buses return to Hilton Hawaiian Village

Special Sessions

PORTS ’22 features technical tracks consisting of special discussion sessions and round tables with industry leaders.

Monday, September 19

PIANC – Maritime Perspectives Across the Pacific
8:30 – 10:00 a.m., Nautilus
Moderator: Joe D. Manous, Jr., Jr, Ph.D., P.E., D.WRE, FEWRI, Dist.M.ASCE, Secretary United States Section of PIANC – Director US-ACE Institute for Water Resources
The session format will be six panelists providing 10 minutes of remarks and then engaging in a discussion and Q&A of current and emerging port and maritime issues within the Pacific region.

Confirmed Panelists:
Bumgou Kang, President of the Korean Section of PIANC – President & CEO of Korea Logistics Network Corporation
Mitsuhiko Okada, P.E., Chair of the Japanese Section of PIANC – Managing Director, Airport Facilities Co., Ltd.
Helen Jenkins, Vice-President of the Canadian Section of PIANC – Senior Engineer WSP Golder
Nick Pansic, P.E., D.NE, M.ASCE, Vice-President of United States Section of PIANC – Vice President, Stantec Consulting Services Inc.
Greg Britton, Senior Board Member PIANC ANZ – Technical Director, Water & Maritime, Haskoning Australia
Francisco Esteban LeFler, President of PIANC

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Panel Discussion – Freedom of Navigation
10:30 a.m. – 12:00 p.m., Nautilus

**Moderator:** Brian Norris, Senior Vice President, Stantec

How the maritime engineering and construction community partners with the DOD to assure freedom of navigation globally, safeguarding commerce, health and prosperity.

**Confirmed Panelists:**
- US Navy – RDML Jeff Kilian, NAVFAC Pacific Commander
- US Army – Jose Sanchez, USACE Pacific Ocean Division
- Engineering & Construction – Elizabeth Collins, President, Collins Engineers, Inc.
- Shipping/Logistics – Kam Chun, Facilities Manager, Matson

Tuesday, September 20

**MarCom Working Group 208, Planning of Automated Container Terminals**
8:30 – 10:00 a.m., Nautilus

**Moderators:**
Tom Ward, P.E., S.E., D.P.E., M.ASCE, WSP
Ashebir Jacob, P.E., M.ASCE, Moffatt & Nichol

Join this special technical session to become familiarized with this new report presenting the state-of-the-art and best practices when planning for automation in container terminals. Digitisation and decarbonisation are disrupting the supply chain, and consequently transport infrastructure. Technological developments are, at the same time, creating attractive but non-standardised opportunities for automation. The report provides advice and guidance for port stakeholders in the planning process and the specific considerations with regards to automation. This technical session is intended to familiarize the wider engineering community with the document as a key design resource, providing a broader strategic overview of the planning and design process. This session will focus on the following four broad topics paralleling the major sections of the WG 208 report:

- The State of Automation
- The Automation Business Case
- The Terminal Planning Process
- Systems Integration

**ASCE 61 Special Session**
10:30 a.m. – 12:00 p.m., Sea Pearl 1/2

This session will include brief presentations and a panel discussion of significant changes to the next edition of ASCE 61, the Standard for Seismic Design of Piers and Wharves. Topics include revisions to the performance criteria and return periods, geotechnical provisions, structural analysis and design provisions, seismic detailing, topsides structures, and the new provisions on bulkheads.

Speakers include the following:
- Gayle Johnson, P.E., M.ASCE – SGH (Committee Chair)
- Joe Galloway, P.E., M.ASCE – WSP (Committee Vice-Chair)
- Steve Dickenson, Ph.D., P.E., D.P.E., M.ASCE – New Albion Geotechnical
- Julie Galbraith, P.E., M.ASCE – SGH

Rod Iwashita, P.E., D.P.E., F.ASCE – Port of San Francisco
Brett King, P.E., M.ASCE – WSP
Carlos Ostina, P.E., M.ASCE – SGH
Marc Percher, P.E., M.ASCE – COWI
Paul Smith – Seattle University
Jose Ugalde – Fugro

Sustainability and Resilience in Practice 
Special Session Series

Join the ASCE Sustainability Technical Committee and COPRI Ports and Harbors Committee for a series of moderated group discussions around three distinct themes of sustainability and resilience: Adaptation, Mitigation, and Management. Each 90-minute session will explore the following questions: How are port engineers and planners using sustainability and resilience in practice? What gaps exist in sustainable and resilient port engineering practices? And, what information and data is missing for creating sustainable and resilient port designs? Please attend and help influence future activities of the sponsoring committees.

Tuesday, September 20

**Sustainability and Resilience in Practice – Adaptation**
6:30 – 8:00 am

**Moderators:**
Rod K. Iwashita, P.E., D.PE, F.ASCE, Deputy Director & Chief Harbor Engineer, Port of San Francisco
Dan Walker, Ph.D., M.ASCE, Associate Director for Multidisciplinary Studies, Center for Technology and Systems Management, University of Maryland

**Sustainability and Resilience in Practice – Management**
10:30 am – 12:00 p.m.

**Moderator:** Daniel Elroi, Asset Management Program Manager, NorthSouth GIS, LLC

Wednesday, September 21

**Sustainability and Resilience in Practice – Mitigation**
10:30 am – 12:00 p.m.

**Moderators:**
Lee Barco, P.E., D.PE, F.ASCE, Vice-President, COPRI Governing Board; Director, Director, Global - Infrastructure Engineering, APM Terminals
Joel Farrier, P.E., MBA, M.ASCE, Chair, ASCE Sustainability Technical Committee; West US Strategic Growth Leader | Regional Environment Manager, Burns & McDonnell
(PORTS ’22 will feature an expanded Student and Young Professionals program including the return of our PORTS 101 track, especially focused for early-career port engineers, but equally applicable to mid-career engineers transitioning into the port industry, or senior-level managers who have port engineering oversight duties.

**Sunday, September 18**

**Young Professionals Reception – Sunday Evening**
5:30 – 6:30 p.m., Nautilus Suite  
Cost: FREE

All young professionals are invited to this first Young Professionals event via a casual meet and greet! What better way to network amongst your peers from different parts of the world over great food and drinks!

**Monday, September 19**

**Young Professionals Networking Event – Monday Lunch**
12:00 – 1:25 p.m. | Lunch and Facilitated Networking, Coral 4  
1:25 – 2:30 p.m. Extended Informal Networking, Coral 4  
Cost: FREE

Are you a young professional (35 years old and under) looking to gain invaluable insight from other seasoned engineers and your peers? If you answered YES, join us at the Younger Member Networking Event! This event connects emerging, diverse young professionals with seasoned professionals that are passionate about giving back during the PORTS ’22 Conference through facilitating a networking/mentorship event.

Lunch and fun are free and provided for all attendees! Be sure to download the conference app once it is available to receive updates and venue location. We look forward to seeing you there!

**PORTS 101**

**Technical program concurrent track, Sea Pearl 3/4**

Cost: FREE

The PORTS 101 series is a concurrent technical track where unique, port industry experience and knowledge is shared by expert practitioners in easily digestible 20-minute presentations. You can learn more about the PORTS 101 track on our interactive program.

**Tuesday, September 20**

**Student Paper Competition**
1:00 – 2:30 p.m., Nautilus Suite  

Join the PORTS’22 Student Paper Competition finalists when they present their research during this special session. Topics include tsunamis, vessel berthing, geotechnics, and coastal processes.

**Young Professionals Team Building Event**
3:00 – 5:00 pm, The Beach  
Cost: $50

Join us for an afternoon of team building and professional networking while simultaneously participating in a unique Hawaiian experience: outrigger canoeing. Participants will be randomly divided into teams of ten to race against one another in an effort to be crowned the tournament’s champion. While your team is not racing, or if you aren’t interested in racing, we will have music and beach activities like volleyball for you to enjoy as you watch the tournament unfold. So bring your competitive spirit, and get ready to make lasting professional connections! We look forward to meeting you!

The first 100 registrants under 35 will receive a custom PORTS ’22 Hawaiian shirt, designed by the COPRI Ports & Harbors Student & Young Professionals Task Committee. *Registrants must enter their age during registration to be eligible for the giveaway.

**Young Professionals Happy Hour**
6:00 – 7:30 p.m., Maui Brewing Co. - Waikiki  
Cost: FREE (limited seating)

All young professionals are invited to this casual Happy Hour! What better way to network amongst your own peers from different parts of the world over great food and drinks!
### Monday, September 19

#### Registration (closed for lunch 12:00 – 1:00 p.m.)
- **Coral Lounge**

#### Exhibit Hall Open, **Coral Ballroom 1-3 & Lounge**

#### Opening Plenary, **Coral IV/V**

#### Technical Sessions

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<td><strong>Moderator:</strong> Brian Emanote, P.E., M.ASCE</td>
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#### Opening Plenary

**KEYNOTE SPEAKER**

R. David Curfman, P.E., Chief Engineer and Assistant Commander for Design and Construction Naval Facilities Engineering Systems Command

In June 2019, David Curfman assumed duties as the Naval Facilities Engineering Systems Command’s (NAVFAC) Chief Engineer and Assistant Commander (Director) for Design and Construction. He is the senior technical advisor and technical authority for Navy shore and ocean facilities and leads over 4000 engineering professionals delivering over $7B per year in military design and construction services for the Navy, Marine Corps and other DoD agencies around the world. He is currently leading over $3 billion in earthquake recovery projects at Naval Station China Lake, over $2.5 billion in hurricane Florence recovery at MCB Camp Lejeune, numerous piers, wharves, moorings, dredging, and coastal projects, and over $8 billion in shipyard modernization and climate adaptation projects at the four Naval Shipyards.
### Technical Program (continued)

#### Track A | South Pacific 1

**Moderator:** Philip Esblanc, P.E., M.ASCE  
**Beneficial Reuse of Dredged Contaminated Sediments for Redevelopment of an Upland Cleanup Site,** Jess Messinga, P.E., M.ASCE, Casey Wilson, P.E., Chris Hartman, P.E.

- **Evaluating the Effects of Increased Dredge Depths on Existing Structures, Timothy Weeks, P.E., Andrew Leedom, P.E.; Jeff Fisher, P.E.**
- **Bulkhead Barrier Wall Design and Construction Considerations: The Gowanus Canal, K窑a Newton, P.E., Matthew Page, P.E.**
- **Completing the Installation of 10 Megawatts of Photovoltaic Solar Power at the Port of Los Angeles, Carla Baldenegro, P.E., L.S.T.E., M.ASCE**

#### Track B | South Pacific 2

**Moderator:** Andrea Dix, P.E., S.E., M.ASCE  
**Strengthening the Trident Wharf Prestressed Precast Planks with Advanced Composite Materials, Scott Arnold, P.E., M.ASCE, Patrick Chang, P.E., Christine Shiborga, S.E.**

- **Innovative Waterfront Applications of Concrete and Steel Bulkheads for Marine Terminals, Alfredo Ruvio, P.E., Enrico Ugo, P.E., Ludovic Gros, Robert Rocha**
- **Dynamic Mooring Analysis for PortMiami North Bulkhead Cruise Berths 1-6 Realignment, Philip Hatfield, P.E., M.ASCE, Xiao (Steven) Li, P.E., Ph.D., Olego Molinos, P.E., Holger Sommer, P.E.**

#### Track C | South Pacific 3

**Moderator:** Jeremy Borkovich, P.E., G.E., M.ASCE  
**Sheet Pile Combi-Wall Reinforcement Plates, Charles Reavey PEng, Scott Mullen PEng.**

- **Design Considerations for a New Marine Oil Terminal at Port of Los Angeles Berths B238-239, Alfredo Ruvio, P.E., S.E., M.ASCE, Emre Roubodo, P.E., M.ASCE, Liang He PEng, M.ASCE**
- **Sheet Pile Walls Failure Case Studies; Causes and Lessons Learned, Vishal Lamgur, Nael Goudarzi Ph.D., Mike Ajemian, P.E.**
- **Ras Al-Khair Dry Dock Seepage Cut-off Wall Design and Construction, Sangyoon Yang, P.E., Ph.D., Koenraad Embling MSc, Chunchu Huang, Yonghe Wu, Umar Farooque**

#### Track D | South Pacific 4

**Moderator:** Justin J. Ryan, P.E., S.E., M.ASCE  
**Port of Los Angeles Public Access Investment Plan and Implementation for the Los Angeles Waterfront, Christine Honeyborne, P.E., Sue Lai, P.E., Dina Aragon-Echizen, P.E., PMP**

- **Ports – A Key Resilience Hub – Before, During, and After the Storm, Poul Tschirky, Ph.D., P.Eng, DCE, M.ASCE, Steve Krol**

#### Track E | Sea Pearl 1/2

**Moderator:** Jim Ground, P.E., M.ASCE  

- **Large Scale Dry Bulk Terminal Expansion in the Heart of Vancouver, British Columbia, Kevin Wong, PEng., Jorgen Frantke PEng., CEng, Steve Yao PEng., M.ASc., Keith Arnold PEng.**
- **New Ferry Terminal Provides a Resilient Solution for a Needed Commuter Route, Craig Lewis, S.E., James Connolly, P.E., DPE, Chad Mason**

#### Track F | Sea Pearl 3/4

**Moderator:** Jim Ground, P.E., M.ASCE  
**Geotechnical Investigation and Testing, Benjamin Sama, P.E., G.E., M.ASCE**

- **Underwater Inspections, Daniel Robbins, P.E., Smith, P.E.**
- **Seismic Considerations, Brian L. Phan, P.E., M.ASCE**

#### Track G | Nautilus

**Moderator:** Brian Namis  
**Panel Discussion On Freedom of Navigation**

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### Thank You to Our Sponsors!

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**Laser Pen, Sponsored by GeoEngineers, GHD, Moffat & Nichol, Reid Middleton, and WSP**

**YP Program, Healy Tibbits**

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**www.portsconference.org**
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<th>Technical Program (continued)</th>
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<td><strong>1:00 – 2:30 p.m.</strong> Technical Sessions</td>
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<td>**Track A</td>
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<td>3A Environmental</td>
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| **3:00 – 4:30 p.m.** | **3:00 – 5:00 p.m.** | **4:30 – 5:30 p.m.** | **6:00 – 7:00 p.m.** |
|--------------------------------|
| ACOPNE Induction, Rainbow Suite 1/2 | YP Team Building, Dukes Beach | Speaker Check-in, Hibiscus 1/2 | YP Happy Hour, Maui Brewing Co. – Waikiki |
Tuesday, September 20

6:00 a.m. – 5:00 p.m.  Registration (closed for lunch 12:00 – 1:00 p.m.), Coral Lounge

6:30 a.m. – 5:00 p.m.  Exhibit Hall Open, Coral Ballroom 1-3 & Lounge

6:30 – 8:00 a.m.  Technical Sessions

Track A | South Pacific 1
---|---
4A Environmental
Moderator: Scott Fenske, PE, D.CE, D.PE
Innovative Approaches for Port-led Advance Mitigation and Mitigation Banking, Dan Berlin PWG
Holistic Design of Resilient and Adaptive Waterfronts and Application in San Francisco, Luca Bosetti Ph.D., EWM SP, WEDE, GSP; Darren Milcom CEng, MICE; Brad Benson
Innovative Collection & Reporting for Marine Mammal Monitoring, Portsmouth Naval Shipyard Dry Dock 1, Alexander Pries, MS; Douglas Stewart; Ian Trehy; Kari Moore
Stabilization of Dredged Sediments: Enabling Beneficial Re-use Solutions in a Contaminated Port, Tom Gillespie CPEng

Track B | South Pacific 2
---|---
4B Port Engineering
Moderator: Scott Kusler, PE, S.E., M.ASCE
Case Study – Lateral Pile Testing for Seismic Design in Unexpected Soil Conditions, Benjamin Perakis, P.E., S.E.; Lyle Stone, P.E., GE, M.ASCE; Timothy O’Neill
Palmer Station - Antarctica Pier Replacement - Logistics and Design for Remote Construction, TJ Schilling; John Daley, P.E., S.E.
Tote Wall Design and Construction for Busy Container Berth Deepening, Iyotammy Sirac, P.E.; Alfredo Rivero, P.E.; Leon Canillo

Track C | South Pacific 3
---|---
4C Port Engineering
Moderator: Cheryl Cavillo, P.E., D.PE, M.ASCE
Berths 226-236 Terminal Redevelopment Construction Lessons Learned at the Port of Los Angeles, Brian Comer Aff.M.ASCE, Rosario Lazo Elif, Marco Sanchez, P.E., M.ASCE; Emir Jarabud, Ph.D., P.E., D.PE, M.ASCE; Isid Avrard, Ph.D., P.E., E.E., FASCE
Hawaii’s New Container Terminal for the 21st Century Honolulu Harbor, Oahu, Hawaii, Brian Kukubun
Water Injection Dredging, a Cost-effective Force of Nature, Robert Wagner, P.E., DNE, BCEE, M.ASCE

Track D | South Pacific 4
---|---
4D Navigation & Waterways
Moderator: Jonathan Armbruster, P.E., MS, M.ASCE
Modeling Structural Alternatives to Reduce Navigation Channel Shoaling in Waukegan Harbor, Illinois, Lihua Lin; Zeki Demirkol
Real-time Vessel Navigation Simulations in Design of Naval Station Channel Reconfiguration, Gwen Lawrence

Track E | Sea Pearl 1/2
---|---
4E Hugh K. Leatherman Terminal
Moderator: Edward Shimney, P.E., M.ASCE
Hugh K. Leatherman Terminal – Transforming a Former Naval Facility into a Modern Container Terminal, Edward Shimney, P.E., M.ASCE; Edward (Bitch) Weber, P.E., M.ASCE; Mark Messersmith CAD
Hugh K. Leatherman Terminal – Wharf Extension Design Considering Phase 1 Lessons Learned, Craig McElhenny, P.E., M.ASCE; Ryan Kaper, P.E., M.ASCE; Lucy Terza, P.E., M.ASCE

Track E | Sea Pearl 1/2
---|---
4F Hugh K. Leatherman Terminal
Moderator: Andrew Cairns, P.E., D.PE, PMP, M.ASCE
Coastal Modeling 101, Matthew Shultz, P.E., D.CE, M.ASCE
Offshore Wind Readiness, Joshua Singer, P.E.
Structural Impacts to Seawalls from Ocean Hazards, Oceana Francis, Ph.D., P.E., M.ASCE

8:00 – 8:30 a.m.  Exhibit Hall Networking Break, Coral Ballroom 1-3 & Lounge
### Technical Program (continued)

**Tuesday, September 20**

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<th>Sea Pearl 3/4</th>
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<tr>
<td><strong>Moderators:</strong> Robert Spoon, PE, D.OE, D.PE, M.ASCE</td>
<td><strong>Moderator:</strong> Scott Schaefer, PE, G.E., M.ASCE</td>
<td><strong>Moderator:</strong> Matthew Martinez, PE, S.E., D.PE, M.ASCE</td>
<td><strong>Moderator:</strong> Noah Guenther, PE, D.OE, D.PE, M.ASCE</td>
<td><strong>Moderator:</strong> Poopy Jan, PE, M.ASCE</td>
<td><strong>Moderator:</strong> Gayle Johnson, PE, M.ASCE</td>
<td><strong>Moderator:</strong> Thomas Ward, PE, S.E., D.PE, M.ASCE, Panelist(s)</td>
<td><strong>ASheehy Jacob, P.E., M.ASCE, Vice President Moffatt &amp; Nichol</strong></td>
<td><strong>Thomas Ward, P.E., S.E., D.PE, M.ASCE, Maritime Planning Group WSP USA</strong></td>
<td><strong>Dimitrios Pachakis, Ph.D., P.E., MICE,</strong></td>
<td><strong>Technical Director, Maritime, Moffatt &amp; Nichol</strong></td>
<td><strong>Sylvia Wong, M.PIANC, Principal, Smart Ports / Terminals, Hatch</strong></td>
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<td><strong>Maryland Port Administration, Dundalk Marine Terminal, Resiliency for an Active RO/RO Terminal, John Schmer, PE, Steven Johnson, P.E.</strong></td>
<td><strong>Military Installation Coastal Resiliency Planning and Adoption Alternative Communications, Alex Viana PWP, John Ouettele</strong></td>
<td><strong>Keeping the Vision: A Small Port’s Journey to Comprehensive Remediation of a Wood Treating Site, Joshua Elliott, PE, Louise Olin</strong></td>
<td><strong>Multi-scale Numerical Simulation of Tsunami-driven Debris-Field Impacts, Justin Russo, M.S., Michael Motley, Ph.D., M.PE</strong></td>
<td><strong>BRE Crane and Infrastructure Upgrade Project: Overview and Lessons Learned, Erik Soderberg, PE, S.E., M.DP, M.ASCE, Igi Schirmer, P.E., M.ASCE; Stephen Johnson, P.E., M.ASCE, LEED AP</strong></td>
<td><strong>Traffic Management Projects, Brian Pailes, Ph.D., P.E., NAPE CEP</strong></td>
<td><strong>Environment</strong></td>
<td><strong>Shelley Glick, AIA, LEED AP, CSBA, M.ASCE</strong></td>
<td><strong>Grayson Black, LEED AP, CSBA, M.ASCE</strong></td>
<td><strong>Ecosystems</strong></td>
<td><strong>Ryan M. McCoy, P.E.</strong></td>
<td><strong>Sylvia Wong, M.PIANC, Principal, Smart Ports / Terminals, Hatch</strong></td>
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<td><strong>8:30 – 10:00 a.m.</strong></td>
<td>Exhibit Hall Networking Break, Coral Ballroom 1-3 &amp; Lounge</td>
<td><strong>10:30 a.m. – 12:00 p.m.</strong></td>
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<td>6A Environmental</td>
<td>6B Port Engineering</td>
<td>6C Port Engineering</td>
<td>6D Port Infrastructure</td>
<td>6E ASCE 61</td>
<td>PORTS 101 – Technology, Planning, and Management</td>
<td>Sustainability &amp; Resilience Discussion – Management</td>
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<td><strong>Moderators:</strong> Donald Gates, PE, P.E., D.PE, DBIA, M.ASCE</td>
<td><strong>Moderator:</strong> Michael Way, PE, M.ASCE, LEED AP</td>
<td><strong>Moderator:</strong> Sean Chapman, PE, M.ASCE</td>
<td><strong>Moderator:</strong> Anna Porter, PE, M.BA, LEED AP, CSBA, M.ASCE</td>
<td><strong>Moderator:</strong> Gayle Johnson, PE, M.ASCE</td>
<td><strong>Moderator:</strong> SamTX Banker, PE, D.PE, M.ASCE</td>
<td><strong>Moderator:</strong> Daniel Ekia</td>
<td><strong>Panelist(s)</strong></td>
<td><strong>Jordan Chau, PE, M.ASCE</strong></td>
<td><strong>Nasir Ali, LEED AP, CSBA, M.ASCE</strong></td>
<td><strong>Climate Change</strong></td>
<td><strong>Jack Chau, PE, M.ASCE</strong></td>
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<td><strong>Port Houston: The Business Case for Emissions Reduction Strategies, Vijaykumar Agranov, PE, M.ASCE, Adithyan Deogompa</strong></td>
<td><strong>Innovative Deepening of Maher Container Terminal Berths 64/66, Christopher Lawrence; Song Hoo Yang, P.E. Ph.D., Arundhati Bhose, PE, Louis Allan C.P.E.</strong></td>
<td><strong>Development of Major Ferry Homeport in Dense Urban Waterfront, David Jones, PE, Simon Battuelo, Stephen Farnam, PE, D.OE</strong></td>
<td><strong>From 2D to 3D: modeling to Refine Design of a New King-pile Bulkhead, Cheryl Coville, PE, D.PE, M.ASCE, Yeeing Yuan, PE, P.E., Dino Fiscello, PE.</strong></td>
<td><strong>Port Infrastructure Projects, Brian Pailes, Ph.D., P.E., NAPE CEP</strong></td>
<td><strong>Experiences Gained from Construction of Middle Harbor Automated Terminal at the Port of Long Beach, Larrin Lanes, PE, CCL</strong></td>
<td><strong>Cost Estimating, Ryan M. McCoy, P.E.</strong></td>
<td><strong>Environment</strong></td>
<td><strong>Shelley Glick, AIA, LEED AP, CSBA, M.ASCE</strong></td>
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<td><strong>Port of Los Angeles Resiliency in Capital Improvement Projects, Adrienne Newbold, PE, M.ASCE</strong></td>
<td><strong>To Wall Analysis, Design, Installation and Troubleshooting at the Port of Huene, Adam Bergman, PE, M.ASCE, Sean Story, PE, Christina Bisney 483067; Yudi Grahm, P.E., M.ASCE</strong></td>
<td><strong>Towards Performance-based Seismic Design of Shiploaders, Ahmed Ghal M.Eng., P.E., Shereef Saklo Mas, Ph.D., P.E., P.Eng.</strong></td>
<td><strong>Humboldt Bay Offshore Wind Port Assessment, Aaron Porter, P.E., M.ASCE, Shane Phillips, Michelle Garcia MS</strong></td>
<td><strong>Keeping Old Running as New at Portsmouth Naval Shipyard, Luken Harris, PE, Danielle Somma, PE, Tim Harris, PE, Kirk Robin, PE.</strong></td>
<td><strong>Exhibit Hall Lunch, Coral Ballroom 1-3 &amp; Lounge</strong></td>
<td><strong>Cost Estimating, Ryan M. McCoy, P.E.</strong></td>
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### Technical Sessions

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<td><strong>Moderator:</strong> Paul Roberts, PE, M.ASCE</td>
<td>**MDOT MPA's Innovative Reuse and Beneficial Use of Dredged Material Program, Moira Dincolo, PE</td>
<td><strong>Salmon Habitat Restoration Design and Permitting at Vigor Shipyards, Seattle,</strong> Erin Murray; Johnathan Cook, PE, Scott Shawer, PE, Kate Sindel, PE</td>
<td><strong>Conley Terminal Soil Reclamation and Reuse Program: A Story of Successful Contaminated Material Management,</strong> Reen Ghodsi, PE, ESP, Nhy Nguyen, Chester Myers</td>
<td><strong>Moderator:</strong> Azizeh Bozorgzadeh, Ph.D., PE, M.ASCE</td>
<td><strong>Building a Resilient and Sustainable Waterfront at the US Naval Academy,</strong> Stephen Owen, PE, AASCE, M.ASCE; William Young, PE, S.E., M.ASCE, John Jones, PE</td>
<td><strong>Wharf Upgrades for an Active Cruise Terminal to Accommodate Larger Vessels,</strong> Desireo Holodarato, MS; Scott Fenical, PE, D.CE, D PE; David Conrad, PE, M.ASCE; Ashwan Paramthoth, PE, M.ASCE, Abhishek Sharma Ph.D.</td>
<td><strong>USCG Sector Buffalo Boat Basin Wave Study/Optimization of Wave Attenuators Using Numerical Modeling,</strong> Jon Benvenuto, PE, PMP, Sharon Chakravarty, PE, Cedric Wrobel EIT, Greg Dufourn, PE</td>
<td><strong>Moderator:</strong> Elizabeth M. Collins, PE, D.PE, FASCE</td>
<td><strong>Structural Rehabilitation to an Active Container Facility: A Collaborative Approach,</strong> Alan Popiv, PE, M.ASCE, Muy Hoang, Chester Myers</td>
<td>**The Entrance Structure, Matthew Teeden, PE, S.E., D.0E, D.PE, M.ASCE; Eric Lovegrove, PE; David Marcotte, PE; Draha Mccullough, PE, Linn Lebel, PE</td>
<td><strong>Waterfront Inspections Using Light and Sound,</strong> John Cofts, PE, M.ASCE, Mike Raszakiewicz, Rusty Barnat</td>
<td><strong>Remote and Robust – Reinforcing a Marine Berth to Withstand the Bering Sea at Eareckson Air Station,</strong> Jiskon Harris, PE, P.E., John Loftus, P.E., M.ASCE; Briella Dyl, PE, M.ASCE</td>
<td><strong>Moderator:</strong> Omar Jaafarit, Ph.D., PE, D.PE, M.ASCE</td>
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### Technical Program (continued)

| **Board Certification in Port Engineering** | **The highest level of advanced postlicensure certification for professional engineers.** | **www.acopne.org.** |

| **2:30 – 3:30 p.m.** | **Speaker Check-in, HIBCacus** |
| **6:30 – 9:30 p.m.** | **Gala, Bishop Museum** |

**For more information about board certification, visit www.acopne.org.**
Wednesday, September 21

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<tr>
<td>8A Environmental</td>
<td>8B Port Engineering</td>
<td>8C Port Engineering</td>
<td>8D Port Planning &amp; Operations</td>
<td>What Does It Take to Deliver a Mega Program? Examining Change and Success</td>
<td>Sea Pearl 1/2</td>
<td>Sea Pearl 3/4</td>
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</table>

**Technical Sessions**

**Track A**
- **Moderator:** Ian Seppanen, P.E., M.ASCE
- **Terminal Wide Industrial Stormwater Treatment on a 200-acre Container Terminal**, Elisa Backwell, P.E.; Emily Jones, P.E.

**Track B**
- **Moderator:** Ryan McCoy, P.E.
- **Designing Conveyors for Large Seismic Induced Displacements at a Port Facility**, Daniel Chudzicki, P.E.; Ann Marie Groedtke, P.E.; Hamidreza Behrad, P.E.; Steve Yee, P.E.; M.ASCE; Geng Andrew Feng
- **Maritime Enhancements to the Bahamas’ Largest Seaport for Cruise Vessels**, David Stroot, P.E., M.ASCE; Nathan Zuniga, P.E.; S.E.; NASCE; David Guttula, Capex Eng.
- **Port Facility Needs for Construction of Fixed and Floating Concrete Substructures for Offshore Wind**, Markus Wortend, P.E., P.E.; Jason Cottrell, MS; Abt; Phil Ranaudo, Ph.D.

**Track C**
- **Moderator:** Bradley Sylva, P.E., S.E.; M.ASCE
- **PIANC WG21 – Reliability Based Design of Marine Fenders – No More Abnormal Berthing Factor**, Runse Verrees, P.E., M.ASCE; Alfred Boudon; Dr. MSc., Proaimethy Anchupala, BSc; Neng, Cng, MICE
- **Evaluation and Repair of a Damaged Sheet Pile Barge Dock**, Jeremy Howard, P.E., M.ASCE; Greg Bucalo, P.E.; S.E.
- **Quantifying and Understanding Structural Loading from Wave-driven Debris Fields**, Dadoke Mamacone; Abby Serrano; Pedro Arduna; Ph.D.; Marc Eberhard, Ph.D.; Michael Mowry, Ph.D., P.E.
- **Moderator:** William Young, P.E., S.E.; M.ASCE
- **A Resilient Path for the Marine Transportation System: Hurricane Response & Recovery Recommendations**, Katherine Chambers, MS; Jessica Steward, MS; Emily Raus; Joshua Murphy
- **Advanced Modeling Techniques Make the First and Last Miles the Best Miles at the Port of Long Beach**, Mark Erickson, P.E., BeCom, CBSA, Ems; Rick Dogman
- **NAVFAC Contingency Engineering Lessons Learned from Ports and Piers in the Pacific AOR**, Stephen Jones, Ph.D.
- **Green Ports – Sustainable Port Development**, Patrick McCollum, BE

**Track D**
- **Moderator:** Emma Del Vento, AICP
- **Panelists:**
  - Steven Gray, P.E., P.Eng., Senior Manager/Supervisory Engineer, Moffatt & Nichol
  - Joanna Hingle, P.E., S.E., M.ASCE, Assistant Director of Engineering - Design, Port of Seattle
  - Thais Howard, P.E., Director of Engineering, Northwest Seaport Alliance
  - Jonathan Ohta, P.E., Senior Construction Manager, Port of Seattle
  - Anne Porter, P.E., MBA, LEED AP, CSBA, Envision, Director Waterfront Project Management, Port of Seattle
  - Jon Sloan, LEED AP, Senior Manager Maritime Environmental and Sustainability, Port of Seattle

**Track E**
- **Moderator:** Jon Benvenuto, P.E., PMP
- **Panelists:**
  - Doug Long, A.M.ASCE
  - Corrosion Mitigation & Repair Techniques Doug Long, A.M.ASCE
  - Steel Sheet Pile Specification and Selection Hans Jurova
  - Ground Improvements: Performance vs Material Specification, Steve Williams, P.E.

**Track G**
- **Moderator:** Omar A. Jamadar, Ph.D., P.E., D.PE, M.ASCE
- **Panelists:**
  - Eric Letvin, FEMA Mitigation Director
  - Robert Bouchard, Director, MARAD Office of Port Infrastructure Development
  - Rod Iwashita, Port of San Francisco
  - Daley Dunham, Port of San Francisco Grant Specialist
  - Lisa Scala, S&A Inc., Port Grant Specialist
  - Mohammed Etooney, Ph.D., TWA BCA Expert

This panel discussion will provide attendees with a practical understanding and overview of federal and state infrastructure grants, the trends in funding, and the capital improvement needs of port authorities.
### Technical Program (continued)

#### 9:30 a.m. to 10:00 a.m.

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<td><strong>Moderator:</strong> Shane Phillips, P.E., D.C.E., D.P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Marc Vater, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Benjamin Kromydis, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Thomas DeLay, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> John S. Kehoe, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Morgan Stephenson, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Wayne L. Boal, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Daniel Armbruster, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Jeremy Collins, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Katherine Chambers MS; Brandan Scully Ph.D., P.E.</td>
<td><strong>Moderator:</strong> Allison DiGregorio, M.ASCE</td>
<td><strong>Moderator:</strong> Shilpa Kumar, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Ryan Ivensen, P.E., M.ASCE</td>
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<td><strong>Analysis of the U.S. Port Network Using AIS Data:</strong> Metrics for the Caribbean, David Young, Ph.D., P.E., Karen Kreis Ph.D., Katherine Chambers MS, Brandon Scully Ph.D., P.E.</td>
<td><strong>Port of Long Beach Post 45 Deepening: A Successful Story Through Collaboration,</strong> Edward Dehmeyer, P.E., M.ASCE; Jeremy Johnson, P.E., PMP</td>
<td><strong>Designing a Yacht and Super Yacht Marina for the Pacific Coast of Peru,</strong> Daniel Sanchez MPH, NAC, PE, D.C.E., D.NE, D.P.E., M.ASCE</td>
<td><strong>Jacksonville Harbor Dredged Material Management Long Term Assessment,</strong> Jonathan Ambrose, P.E., MS</td>
<td><strong>Harrington, P.E., D.GE; Nathan Libby; James Connolly, P.E., D.P.E., M.ASCE; Arash Khosravifar Ph.D., P.E.; John Henshaw M.A.L.D.</strong></td>
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<td><strong>Stromberg, S.E., PO’Connor, P.E., M.ASCE; Daniel Armbruster, P.E., M.ASCE; Jeremy Johnson, P.E., PMP</strong></td>
<td><strong>David Young, Ph.D., P.E.; Marin Kress Ph.D.; Matthew Teeden, P.E., M.ASCE</strong></td>
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<td><strong>40 Year Old Dry Dock:</strong> Recapitalization of a 40 Year Old Dry Dock: Project Insight, Risk Management, and Team Building, John McCoy, P.E., M.ASCE; Michael Brengel, P.E.; Amy Hoffman, P.E.; Daniel Couture, P.E.</td>
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<td><strong>Analysis of the U.S. Port Network Using AIS Data:</strong> Metrics for the Caribbean, David Young, Ph.D., P.E., Karen Kreis Ph.D., Katherine Chambers MS, Brandon Scully Ph.D., P.E.</td>
<td><strong>Settlement and Bearing Capacity Mitigation of Organic Marine Deposits for Offshore Wind Staging Port,</strong> Nancy G. King, P.E., M.ASCE; Robert Jones, P.E., D.P.E., M.ASCE; Weronika Roszkowski, P.E., D.C.E.</td>
<td><strong>Structural Conditions Assessment and Monitoring of a 56-year Old Partially Relieved Graving Drydock,</strong> Anthony Merrill, P.E., M.ASCE</td>
<td><strong>Moderator:</strong> Shannon Kinsella, P.E., D.P.E., M.ASCE</td>
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<td><strong>Stromberg, S.E., PO’Connor, P.E., M.ASCE; Daniel Armbruster, P.E., M.ASCE; Jeremy Johnson, P.E., PMP</strong></td>
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<td><strong>10:00 – 10:30 a.m.</strong></td>
<td><strong>Exhibit Hall Networking Break, Coral Ballroom 1-3 &amp; Lounge</strong></td>
<td><strong>10:30 a.m. – 12:00 p.m.</strong></td>
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### Exhibit Hall Hours

| Sunday, September 18 | 12:30 – 6:30 p.m. | Exhibitor Move-in  
| | 6:30 – 8:00 p.m. | Exhibits Move-in  
| | 6:30 – 8:00 p.m. | Ice Breaker Welcome  
| Monday, September 19 | 6:30 a.m. – 5:00 p.m. | Exhibits Open  
| | 10:00 – 10:30 a.m. | Exhibit Hall Networking Break  
| | 12:00 – 1:00 p.m. | Exhibit Hall Lunch  
| Tuesday, September 20 | 6:30 a.m. – 5:00 p.m. | Exhibits Open  
| | 8:00 – 8:30 a.m. | Exhibit Hall Networking Break  
| | 10:00 – 10:30 a.m. | Exhibit Hall Networking Break  
| | 12:00 – 1:00 p.m. | Exhibit Hall Lunch  
| Wednesday, September 21 | 6:30 a.m. – 1:00 p.m. | Exhibits Open  
| | 8:00 – 8:30 a.m. | Exhibit Hall Networking Break  
| | 10:00 – 10:30 a.m. | Exhibit Hall Networking Break  
| | 1:00 – 5:00 p.m. | Exhibitor Move-out  

### Exhibitors (continued)

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You may earn PDHs, which are nationally recognized units of record, by attending pre-conference workshops and conference concurrent sessions. Please note there are differences from state to state in continuing education requirements for professional engineering licensure. Each state licensing board has the final authority to approve course, credits, PDHs, and other methods of earning credits in that state. ASCE strongly recommends that individuals regularly check with their state licensing boards for specific continuing education requirements in their jurisdictions that affect professional engineering licensure and the ability to renew licensure.

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Photographs and Video of the event may be taken by ASCE, its agents, contractors, or representatives, and such photographs and video may be used for any purpose at ASCE discretion.

Registration Hours
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*Closed for lunch 11:30 a.m. – 12:30 p.m. Sunday, and 12:00 – 1:00 p.m. Monday and Tuesday

Sunday, 9/18 6:00 a.m. – 7:00 p.m.
Monday, 9/19 6:00 a.m. – 5:00 p.m.
Tuesday, 9/20 6:00 a.m. – 5:00 p.m.
Wednesday, 9/21 6:00 – 11:00 a.m.
The registration desk is located in the Coral Lounge.
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