

33RD PIANC

WORLD CONGRESS
San Francisco 2014
June 1 to 5



Navigating
the **New Millennium**
San Francisco Marriott Marquis

Register Today!

Don't miss the Early Bird
Deadline of March 28

NAVIGATION • PORTS • WATERWAYS • ENVIRONMENT



Earn 30+ Professional
Development Hours

This is a **MUST ATTEND** event for
anyone working in these fields:

- Ports and Maritime Navigation
- Environmental Issues
- Dredging
- Inland Waterway Systems
- Global Navigation Issues
- Urban and Recreational Waterfronts

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Congress Organizing Committee

The Honorable Jo-Ellen Darcy, Co-Chair, Assistant Secretary of the Army (Civil Works)
John Headland, Co-Chair, Moffatt & Nichol
Lillian Almodovar, U.S. Army Corps of Engineers, retired
Kelly Barnes, U.S. Army Corps of Engineers
Sandra Brasfield, U.S. Army Corps of Engineers
Todd Bridges, U.S. Army Corps of Engineers
Helen A. Brohl, Committee on the Marine Transportation System
Anne Cann, U.S. Army Corps of Engineers
John D. Clarkson, U.S. Army Corps of Engineers
Harry Cook, Waterways Council Inc
Jack Cox, HDR
Robert Engler, Moffatt & Nichol
Rogelio Gordon, Panama Canal Authority
Ellen Joslin Johnck, Johnck Consulting
Joe Mantey, PIANC USA Treasurer
James McCarville, Port of Pittsburgh Commission
Doug McDonald, U.S. Army Corps of Engineers
Jessica Allen McIntyre, Moffatt & Nichol
Dale Miller, Tetra Tech
Bob Nathan, Moffatt & Nichol
Nick Pansic, MWH
MG John Peabody, DCG-CEO, U.S. Army Corps of Engineers
Craig E. Philip, Ingram Barge Company
Susan Rees, U.S. Army Corps of Engineers
Don T Riley, Dawson & Associates
Edmond Russo, U.S. Army Corps of Engineers
Edward Schmeltz, AECOM
Merdith “Bo” Temple, U.S. Army Corps of Engineers, retired
Michael J. Walsh, ret., Dewberry
John Paul Woodley, Jr., Advantus Strategies, LLC



About PIANC USA

PIANC USA was organized in 1902 as a National Section of PIANC. The U.S. Army Corps of Engineers serves as the Secretariat located at the Institute for Water Resources in Alexandria, VA. PIANC's goal is to advance the sustainable development of shallow and deep-draft navigation issues including dredging and dredged material disposal, navigation and port infrastructure, recreational navigation and related environmental matters.

Week At A Glance

SUNDAY, JUNE 1

7:00 am – 5:30 pm
8:00 am – 5:00 pm
8:00 am – 12:00 pm
8:00 am – 12:00 pm
8:00 am – 5:00 pm
8:00 am – 5:00 pm
1:00 pm – 5:00 pm
1:00 pm – 5:00 pm
5:00 pm – 6:00 pm
6:00 pm – 8:00 pm

Registration
Pre-Congress Technical Workshops (separately priced)
Lessons from Coastal Disasters
Innovation in Lock and Gate Design
Marina Designers Training Program: Modern City Marinas
Working with Nature in Navigating the New Millennium
Value of Inland Waterways
Berthing Velocities and Fender Design
Young Professional / VIP Reception (invitation only)
Conference Welcome Reception & official conference start

MONDAY, JUNE 2 *Sponsored by Bechtel*

7:00 am – 5:30 pm
7:30 am - 8:30 am
8:30 am – 10:00 am
10:00 am – 10:30 am
10:30 am – 12:00 pm
12:00 pm – 1:30 pm
1:30 pm – 3:00 pm
3:00 pm – 3:30 pm
3:30 pm – 5:00 pm
5:15 pm – 6:30 pm

Registration
Morning coffee in the Exhibit Hall
Opening Plenary
Break in Exhibit Hall
Concurrent Technical Sessions
Lunch in Exhibit Hall
Concurrent Technical Sessions
Break in Exhibit Hall
Concurrent Technical Sessions
Latin American Event / Iniciativa Latinoamericana

TUESDAY, JUNE 3

7:00 am – 5:30 pm
7:30 am - 8:30 am
8:30 am – 10:00 am
10:00 am – 10:30 am
10:30 am – 12:00 pm
12:00 pm – 1:30 pm
1:30 pm – 3:00 pm
3:00 pm – 3:30 pm
3:30 pm – 5:00 pm
5:30 pm – 6:30 pm
6:00 pm – 7:00 pm

Registration
Morning coffee in the Exhibit Hall
Concurrent Technical Sessions
Break in Exhibit Hall
Concurrent Technical Sessions
Lunch in Exhibit Hall
Concurrent Technical Sessions
Break in Exhibit Hall
Concurrent Technical Sessions
ACOPNE Induction Ceremony
Young Professional Networking Event (invitation only)

WEDNESDAY, JUNE 4

7:00 am – 5:30 pm
7:30 am – 8:30 am
8:30 am – 10:00 am
10:00 am – 10:30 am
10:30 am – 12:00 pm
12:00 pm – 1:30 pm
1:30 pm – 3:00 pm
3:00 pm – 3:30 pm
3:30 pm – 5:00 pm
6:00 pm – 10:30 pm

Registration
Morning coffee in the Exhibit Hall
Concurrent Technical Sessions
Break in Exhibit Hall
Concurrent Technical Sessions
Lunch on Own
Concurrent Technical Sessions
Break in Exhibit Hall
Concurrent Technical Sessions
Congress Banquet

THURSDAY, JUNE 5

7:00 am – 5:30 pm
7:30 am – 8:30 am
8:30 am – 10:00 am
10:00 am – 10:30 am
10:30 am – 12:00 pm
12:00 pm – 2:00 pm
2:30 pm – 4:30 pm

2:30 pm – 5:30 pm

2:30 pm – 8:30 pm

Registration
Morning coffee in the Exhibit Hall
Concurrent Technical Sessions
Break in Exhibit Hall
Concurrent Technical Sessions
Closing Plenary and Luncheon
Post-Congress Workshop: Engineers and Experts: To Whom Do You Owe What and Who Is Your Master?
Technical Tour 2 – South Bay: Port of Redwood City and Bair Island/Don Edwards National Wildlife Refuge, Bair Island, and South Bay Salt Ponds Restoration
Technical Tour 1 – Central Bay: Ports of San Francisco and Oakland Boat Tour

FRIDAY JUNE 6

8:30 am – 1:00 pm

Technical Tour 3 – North Bay: U. S. Army Corps of Engineers' (USACE) Bay Model in Sausalito, Hamilton Army Airfield and Sonoma Baylands Wetland Restoration

An Invitation to Attend

The U.S. Section of PIANC is proud to invite you to join us for the 33rd PIANC World Congress in San Francisco, California from June 1-5, 2014. More than 600 attendees from 30 nations are expected to attend.

The Congress is held every four years in one of PIANC's member countries in order to present and discuss topics relevant to the waterborne transport infrastructure sector. The Congress is open to anyone with interest in these topics. PIANC Congresses are particularly valuable for the exchange of knowledge and experience for participants of all ages and career stages. The last time the United States hosted a Congress was in 1961 in Baltimore, MD.

Highlights of the 2014 Congress will include:

- 260 technical presentations with speakers from 26 nations covering a wide range of topics;
- Two plenary sessions;
- Six Pre-Congress technical short courses;
- Networking opportunities including the Congress Banquet aboard the beautifully restored San Francisco Belle;
- Three technical tours;
- Tours of San Francisco and Sausalito for accompanying guests;
- An Exhibit Hall with more than 50 vendors demonstrating the latest products and services; and
- Events for young professionals & students (40 years old and younger).

The U.S. Section selected San Francisco as the location for the Congress for many reasons but mostly because there is so much "navigation-related" to see and do in the Bay Area. San Francisco is a bustling city with a population exceeding 4 million. The city enjoys balmy weather, with average temperatures in June ranging from 12 C to 20 C. The Ports of San Francisco and Oakland are nearby, tourist attractions abound, not to mention the nearby Napa Valley and Sonoma — our own "wine country" in the United States. Many of the city's leading tourist attractions are located on the water, including the famous Fisherman's Wharf, the Golden Gate Bridge, and the island of Alcatraz.

Take a moment to visit <http://2014congress.pianc.us/> to get all of the details and register!



The Honorable Jo-Ellen Darcy
Assistant Secretary of the Army
(Civil Works)
PIANC USA Chair



Mr. John Headland
Moffatt & Nichol
PIANC International Vice
President
for the Western Hemisphere

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Join Us as a Sponsor or Exhibitor

The PIANC 2014 World Congress is an invaluable opportunity to network and discuss your products and services with key industrial, governmental and academic officials from numerous nations. The conference schedule allows for multiple opportunities for attendees to visit the exhibition hall and learn more about the broad array of products and services available to help them be more effective.

Any organization that provides services or goods related to any aspect of the navigation infrastructure industry covering inland, coastal and maritime navigation are cordially invited to join us at PIANC 2014 as a sponsor or exhibitor. This conference will help you maintain industry contacts, cultivate new customers, and increase recruiting potential.

For more information contact La Rue Forrester at larue@wwsc.us or (410) 544-8515.

Tech Talks

The organizers of the PIANC 2014 World Congress are pleased to make available 30-minute speaking slots to companies interested in promoting specific technology or services to a focused group of attendees. These slots will be available over lunch on Monday and Tuesday and during breaks each day of the conference.

The fee to reserve a slot is \$500.

Tech Talk slots include:

- Room, including LCD projector and screen (speaker provides laptop)
- Publicity as part of the Congress agenda and marketing materials
- Opportunity to send an electronic invite to attendees

For more information on this opportunity please contact La Rue Forrester at larue@wwsc.us.

Pre- & Post-Congress Technical Courses

The Organizing Committee is pleased to offer six pre-Congress technical workshops. You may sign up for these courses when you register for the Congress. There is a separate fee for each. Each course offers Professional Development Hours (PDHs).

Marina Designers Training Program: Modern City Marinas

Sunday, June 1, 8:00 am – 5:00 pm

Earn 8 PDHs

Price: \$230.00

This course follows the model developed successfully with the PIANC Marina Designers Training Program by presenting key international advances in design of recreational navigation infrastructures, mooring and sheltering, from small boats to large vessels (super/mega yachts). Modern marinas offer an opportunity for urban waterfronts and can add value to real estate enriching urban landscapes. The course will cover these main themes: marina planning and configuration, mega yachts facilities, dry stack storage, land facilities, environmental aspects and aesthetics/landscaping.

Course Organizer: Elio Ciralli, PIANC Recreational Navigation Commission (RecCom) Chair.

Working with Nature (WwN) in Navigating the New Millennium

Sunday, June 1, 8:00 am – 5:00 pm

Earn 8 PDHs

Price: \$230.00

This full-day course will include an introduction to working with nature; international examples from Germany, the Netherlands, United Kingdom, the United States, and elsewhere; the use of natural and

nature-based features in coastal systems; post-hurricane Sandy experiences; strategic placement of dredged material; building environmental features into coastal structures; managing contaminants in dredged material for beneficial use; as well as multi-organization discussion panels on the long-term management strategy for dredged material in San Francisco, partnerships and innovative financing, and overcoming impediments and accelerating progress on working with nature.

Course Organizers: Todd Bridges, PIANC Environmental Commission (EnviCom) U.S. Rep., Susan Rees, PIANC Environmental Commission (EnviCom) U.S. Rep., Ellen Johnck, Ellen Johnck Consulting.

Lessons from Coastal Disasters

Sunday, June 1, 8:00 am – 12:00 pm

Earn 4 PDHs

Price: \$115.00

In recent years, we have experienced serious disasters in coastal areas around the world including earthquakes, tsunamis, and high tides. This half-day course will examine important aspects of planning/design for tsunamis in ports, with a special look at the unprecedented 2011 tsunami that resulted in widespread damage in ports, harbors and coasts in Japan, as well as events in the Philippines and San Francisco. To see what San Francisco is doing, check out these videos: <http://science.discovery.com/search.htm?terms=strip+the+city+san+francisco>.

Course Organizer: Kenzo Nakagawa, Japan



Innovations in Lock and Gate Design

Sunday, June 1, 8:00 am – 12:00 pm

Earn 4 PDHs

Price: \$115.00

This half-day course will be based on the PIANC Working Group Report 29 “Innovation in Navigation Lock Design.” Specifically, the course will include an overview on innovations in lock design, a review of the Ijmuiden Gate Selection for a new sea lock, use of composites in navigation, the Inner Harbor Navigation Canal (IHNC) Lake Borgne Surge Barrier lessons learned, and Megaproject design-build, with examples from both the Lake Borgne Surge Barrier and the new Panama Canal Third Set of Locks.

Course Organizer: Dale Miller, Working Group 29 U.S. Representative.

Value of Inland Waterways

Sunday, June 1, 1:00 pm – 5:00 pm

Earn 4 PDHs

Price: \$115.00

This workshop will present the results of the PIANC Inland Navigation Commission Working Group Report 139 “Values of Inland Waterways.” The main task for the group was to give an overview of the additional values and benefits from navigable waterways; to analyze them in terms of relevant aspects, physical appearance, and the aesthetic impact of waterways; and to show what are quick wins and where are potential conflicts. Linking the results of these investigations to best practices, it was required to gather examples of very effective combinations of the diversity of values. The course will provide an overview of the draft report and seek input on additional avenues to explore.

Course Organizer: Andreas Dohms, Working Group 139 Chair

Berthing Velocities and Fender Design

Sunday, June 1, 1:00 pm – 5:00 pm

Earn 4 PDHs

Price: \$115.00

This course will present preliminary findings of PIANC Maritime Navigation Commission Technical Working Group 145 which addressed the issue of berthing velocities and fender design. Topics covered will include data on vessel approaches under a range of environmental conditions and clear guidelines to designers for the use of appropriate vessel design speeds. There will be a focus on larger ships for which quantitative berthing velocity data can be obtained, particularly bulk carriers (dry and liquid including gas carriers), container ships and large ferries. Recommendations for design vessel approach speeds will be made for a range of types of vessel, environmental conditions, degree of berthing assistance (tugs) and degree of exposure of the berth.

Course Organizer: Mori Hirotsugu, Manager, Sumitomo Rubber Industries, LTD, Belgium, Chair of MarCom WG 145

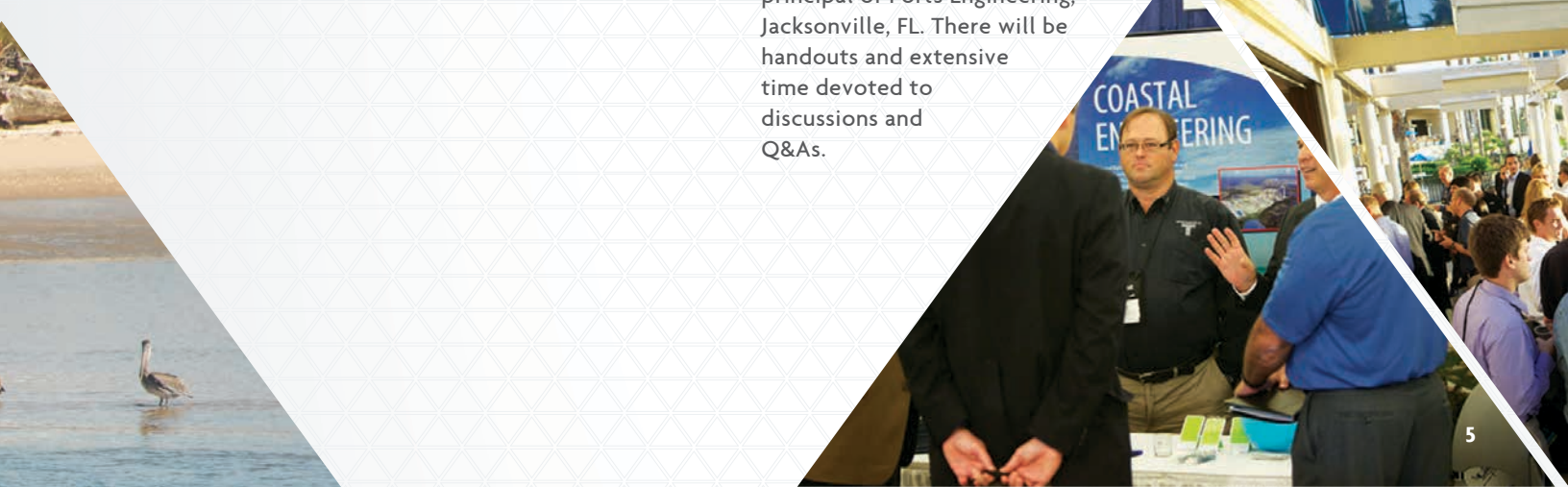
Engineers and Experts: To Whom Do You Owe What and Who Is Your Master?

Thursday, June 5, 2:30 pm – 4:30 pm

Earn 2 Ethics PDHs

Price: No fee – sponsored by ACOPNE

The course will be taught by San Diego practicing lawyer Kenneth A. (Budd) Goodwin, who is licensed in California and Louisiana, a graduate of the U.S. Naval Academy with a BS in Engineering, and a 6-year public member of the AAWRE Board of Trustees; and Michael A. Ports, P.E., Ph.D., D.WRE, D.NE, BCEE, a principal of Ports Engineering, Jacksonville, FL. There will be handouts and extensive time devoted to discussions and Q&As.



Plenary Sessions

Monday, June 2

Opening Plenary

Our opening session from 8:30 to 10:00 am on Monday, June 2 will include remarks by Congress Co-Chairs **The Honorable Jo-Ellen Darcy**, Assistant Secretary of the Army for Civil Works, and **Mr. John Headland** of Moffatt & Nichol.

Dr. Craig Philip, CEO of Ingram Barge Co. and PIANC USA Commissioner will present Climate Change and Inland Waterways Transport: When and How to Adapt—the U.S. Experience; followed by **Mr. Walker Kimball**, Senior VP, Bechtel, who will speak on Smart Ports—The Use of Technology and Similar Trends in Ports Today.

Eng Geoffroy Caude, President of PIANC International, will welcome delegates

The plenary will culminate with a thought-provoking keynote address by **Mr. Jorge L. Quijano**, Administrator, Autoridad Del Canal De Panama (ACP)

Thursday, June 5

Closing Plenary Luncheon

The closing luncheon will include awards presentations by **MG John Peabody**, Deputy Commanding General for Civil and Emergency Operations, U.S. Army Corps of Engineers, and **Mr. Kurt Nagle**, President and CEO of the American Association of Port Authorities, will discuss “Seaports: How is the Big Picture Changing in the New Millennium.”

Left to Right: Dr. Craig Philip, Mr. Walker Kimball, Eng Geoffroy Caude, Mr. Jorge L. Quijano, MG John Peabody, and Mr. Kurt Nagle



Technical Tours

Option I: Central Bay: Ports of San Francisco and Oakland Boat Tour

Thursday, June 5, 2:30 p.m. – 8:30 p.m.

PRICE \$55.00 (Transportation included)

Join us on Thursday afternoon for a tour of the Central Bay. Attendees will board the boat at the renowned Ferry Building at the foot of Market Street, and will cruise the Port of San Francisco's south shoreline underneath the Bay Bridge while listening to briefings by Port of San Francisco and USACE personnel on projects in the area. The cruise will continue to the Port of Oakland's waterside marine terminals and Middle Harbor Shoreline Park, with information provided by Port of Oakland and USACE personnel. Attendees will off-load at Jack London Square ferry terminal in Oakland for "dinner on your own" at one of the many restaurants in the Square.

Option II: South Bay: Port of Redwood City and Bair Island/Don Edwards National Wildlife Refuge, Bair Island, and South Bay Salt Ponds Restoration

Thursday, June 5, 2:30 p.m. – 5:30 p.m.

PRICE \$40.00 (light refreshments and transportation included)

Join us on Thursday afternoon for a half day tour of the South Bay. Attendees will be bused to the Port of Redwood City where they will hear a presentation on port business and dredged material beneficial reuse at a wetland restoration site on Bair Island and a site across the Bay at Hayward. The tour will include a stop at Bair Island.

Option III: North Bay: U. S. Army Corps of Engineers' (USACE) Bay Model in Sausalito, Hamilton Army Airfield and Sonoma Baylands Wetland Restoration

Friday, June 6, 8:30 am - 1:00 pm

PRICE \$55.00 (picnic lunch and transportation included)

Join us on Friday morning for a half day tour of the North Bay. Attendees will be bused across the San Francisco's iconic Golden Gate Bridge and will make a stop to tour the USACE Bay Model in Sausalito. The excursion will continue to the Hamilton wetland restoration in Novato and the adjacent Bel Marin Keyes site, where participants will receive briefings by USACE and California State Coastal Conservancy personnel. Other stops will include the Sonoma Baylands and a picnic lunch at Sears Point (with great views of Hamilton/Bel Marin Keyes wetland restoration and City of San Francisco!)



Social Events

Take advantage of a range of networking opportunities throughout the week including:

Opening Reception

Sunday, June 1, 6:00 pm – 8:00 pm
Exhibit Hall

The opening reception is a terrific time to meet and mingle with colleagues while getting the Congress off to a great start. The reception will take place at the congress hotel in the Exhibit Hall to give attendees the opportunity to visit the numerous booths. One ticket to this event is included with each full registration.

Young Professional Reception (invitation only)

Sunday, June 1, 5:00 pm – 6:00 pm

Young Professionals (YPs) – age 40 and under – attending the congress are invited to attend this VIP reception to meet other YPs and to mingle with PIANC and international industry leaders. This reception will provide a relaxed social forum for networking so bring your business cards – you don't want to miss it!

Included in full registration for Young Professionals

Latin American Event / Iniciativa Latinoamericana

Monday, June 2, 5:15 pm – 6:30 pm

Join us for an informal Meeting of the Latin American participants to exchange ideas about and identify the needs of the navigation sector in Latin America, and the opportunities available through PIANC to help address these needs. The session will be conducted in Spanish.

Reunion informal de los participantes de America Latina para intercambiar ideas sobre las necesidades del sector de navegacion en America Latina y las oportunidades que ofrece PIANC para atender estas necesidades.

Included in full registration / Includo en la inscripción completa

ACOPNE Induction Ceremony

Tuesday, June 3, 5:30 pm – 6:30 pm
Marriott Marquis Exhibit Hall

Join us on for the induction of the newest certified Diplomates of the Academy of Coastal, Ocean, Port

and Navigation Engineers (ACOPNE). The ceremony will be held in the congress hotel Exhibit Hall from 5:30 to 6:30 pm, with a champagne toast to commemorate this important event!

Young Professional Networking Event (invitation only)

Tuesday, June 3, 6:00 pm – 7:00 pm
Jillian's at Metreon

YPs attending the congress are also invited to attend a "YP Only" networking reception Tuesday evening. Located just one block from the congress venue, Jillian's offers a casual and fun "U.S. Sports Bar" experience with its 50 foot wall of televisions, billiard tables and food. Plan to blow off steam and meet with colleagues after the long day of technical sessions!

Included in full registration for Young Professionals

Congress Banquet/Cruise

Wednesday, June 4, 6:00 pm – 10:30 pm
San Francisco Belle

Sponsored by Bechtel



Join us on Wednesday evening, June 4 as we set sail for a dinner cruise on the San Francisco Bay (included in full congress and guest program registration fees). A bus will take us from the hotel to the Embarcadero where we will board the beautiful San Francisco Belle. Her classic lines, stern paddlewheel and ornate detailing recall the elegant riverboats of the late 1800s. We'll enjoy a sumptuous dinner while being entertained by a jazz trio and enjoying the sights of San Francisco Bay including the Golden Gate Bridge and Alcatraz Island. At the end of our evening buses will again transport us back to the hotel.

Buses will depart the hotel promptly at 6:00 pm.



Program Themes and Topics

The heart of the Congress is the robust technical program featuring 260 papers from 26 nations.

Theme: Navigating the New Millennium

Global
Navigation Issues
of the 21st Century
(Cross-cutting
Theme)

- Climate Change Impacts and Adaptation
- Life-Cycle Asset Management-Coping with Aging Infrastructure
- Innovative Investment in Infrastructure
- Alternative Financing of Waterborne Transport Infrastructure – Public/Private Partnerships and Beyond
- Advances in Information and Communications Technology – E Navigation
- Safety, Security, and Risk Management in Today’s World
- Turning Competitive Water Uses into Integrated Multi-Purpose Water Resource Systems (Transport, Energy, Recreation, Ecosystems) – Towards Integrated Water Resource Management, including Transboundary Water Resources

Ports and Maritime
Navigation
(MarCom)

- Maritime Port Planning and Operations
- Terminal Planning and Design
- Deep-Draft Navigation and Waterways
- Port Engineering and Infrastructure
- Inter-Modal Connections
- Coastal Engineering For Maritime Applications
- Surge Barriers and Gates

Inland Waterway
Systems (InCom)

- Integration of Inland Waterway Transport Into The Inter-Modal Supply Chain
- A Systems Approach to Operational Management and Maintenance of Waterway Systems
- Locks
- Inland Ports and Terminals

Environmental Issues:
Towards Working
with Nature
(EnviCom)

- Habitat and Wildlife: Protection, Mitigation, and Restoration
- Green Infrastructure
- Regional and Sustainable Sediment Management – Working with Natural Processes
- Redevelopment Opportunities – In Concert with Nature

Dredging
(MarCom and InCom)

- Dredged Material Management
- Current Dredging Engineering Research
- Dredging Contracting and Management Innovations
- Integrating Dredging and Dredged Material Reuse with Environmental Restoration
- Sedimentation and Sediment Management in Waterways

Urban and Recreational
Waterfronts (RecCom)

- Operation and Maintenance of Marinas and Yacht Harbors
- Rehabilitation of Urban Waterfronts
- Passenger Vessel, Cruise and Ferry Terminal Planning and Design
- Marina Planning and Design

Guest Program

Do you have a guest accompanying you to San Francisco? Take advantage of our Guest Program Package (\$350), which includes one ticket to the following events:

- Sunday June 1: **Opening Reception**
- Monday June 2: **The San Francisco Grand City Tour** (including lunch)
- Wednesday June 4: **Congress Banquet aboard the San Francisco Belle**

You may also sign up your guest for the separately priced Sausalito shopping and dining tour on Tuesday, June 3 and the technical tours on Thursday June 5 and Friday June 6. Sign up your guest for the program and other options when you register.

The San Francisco Grand City Tour

Monday, June 2, 9:00 am – 3:00 pm

Ticket included in “Guest Program” package

Join us for a fully narrated tour of the great city of San Francisco! Participants will board the bus at the Congress Hotel and will sight-see around famous spots in the city including Fisherman’s Wharf, Ghirardelli Square, the Golden Gate Bridge, the Pacific Ocean, Twin Peaks, Chinatown, and much more. The tour’s knowledgeable guides will inform and entertain you while you relax and enjoy this exciting tour around the city of San Francisco. In addition, the tour will stop several times for great photo opportunities, as well as at the famous “Pier 39” with its numerous shops and restaurants. Lunch will be served to attendees at the Bubba Gump Shrimp, a seafood restaurant inspired by the 1994 film Forrest Gump.

Sausalito Shopping and Dining Tour

Tuesday, June 3, 9:30 am – 3:30 pm

Price \$65.00

Ticket NOT included in “Guest Program” package; please purchase separately

Join us for an excursion across the Bay to the charming town of Sausalito. Ranked as one of the top 20 destinations in the country, visitors and residents alike agree that Sausalito’s scenic waterfront and panoramic views, small town charm and Mediterranean character make it a truly enchanting place to live, work or play. Sausalito’s world class dining, artists and galleries, boutiques and bohemian spirit have long attracted sophisticated international travelers and continue to garner recognition for the city as one of the best small towns in which to live.

Tour participants will board the bus at the Congress Hotel and will receive a narrated tour as they ride across the Golden Gate Bridge. There will be free time for sight-seeing and shopping around the town (check out the many art galleries!), with lunch included at the beautifully situated Spinnaker Restaurant in Sausalito. The Spinnaker has panoramic views of the San Francisco skyline, Sausalito Waterfront, Angel Island, Belvedere, Alcatraz and the Bay Bridge, with its floor to ceiling glass walls - the view is unrivaled and is the best in the San Francisco Bay Area!

2014 PIANC WORLD CONGRESS | Registration Rates

Registration Type	Early Bird Rate (by March 28, 2014)	Standard Rate (by May 25, 2014)	Onsite Rate (after May 25, 2014)
Member/Partner/Speaker	\$945	\$995	\$1,045
Non-Member	\$995	\$1,045	\$1,095
One Day Registration (Monday, Tuesday, Wednesday, or Thursday)	\$495	\$495	\$495
Student Registration (includes all activities except the Congress Banquet/Cruise)	\$195	\$195	\$195

Half-Day Course	\$115
Full-Day Course	\$230

General Information

Attendee Packets

Early-bird and Advance registrants will receive their name badges and any tickets ordered at the PIANC Registration Desk during registration hours. Early-bird and Advance registrants should present the official PIANC registration receipt to on-site registration staff to obtain congress materials. If you submit a registration form via fax or postal mail one week prior to or after the registration cut-off date, please be sure to bring a copy of your fax or postal confirmation (as well as your email confirmation if you have received one), along with the original registration form paperwork to ensure PIANC on-site registration staff can process your registration. Due to the time constraints near and after the registration cut-off date, the appropriate paperwork may not have been forwarded to the on-site staff before their departure.

Attire

The dress code for the Congress is business casual (i.e. slacks, casual dresses) to business attire (i.e. neckties, business suits). Meeting room temperatures will vary, so wear layered clothing to ensure your personal comfort. We also

recommend attendees wear comfortable shoes. Please note that certain events may have specific details on attire, and you should refer to the event for more information.

Professional Development Hours (PDHs)

You may earn PDHs, which are nationally recognized units of record, by attending congress sessions and short courses. 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. PIANC 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.

Weather

San Francisco's weather is as changeable as the seas, literally. Surrounded on all sides (save one) by ocean and bay, San Francisco's weather is also one of

the hardest to forecast and changes drastically from neighborhood to neighborhood. Over four seasons, not one of which corresponds to its climatic expectations, San Francisco's weather can be difficult for visitors to predict, save that Fog City delivers majestic skies, trademark plumes of white fog and brilliant sunsets. Beginning in June, San Francisco summers have scant in common with summers elsewhere. Marked by billowing white fog, the majestic product of sea spray, wind and Central Valley heat, San Francisco summers are characteristically overcast and cool, while the marine layer usually burns off by the afternoon.

Hotel Reservations

The congress hotel is
San Francisco Marriott Marquis
 55 Fourth Street
 San Francisco, California 94103
 USA

Visit <https://resweb.passkey.com/go/pianc> to quickly and confidentially reserve a room at the Marriott Marquis at the PIANC rate.

Technical Tours	
Central Bay: Ports of San Francisco and Oakland Boat Tour (Thursday)	\$55
South Bay: Port of Redwood City and Bair Island/Don Edwards National Wildlife Refuge, Bair Island, and South Bay Salt Ponds Restoration (Thursday)	\$40
North Bay: U.S. Army Corps of Engineers' (USACE) Bay Model In Sausalito, Hamilton Army Airfield and Sonoma Baylands Wetland Restoration (Friday)	\$55

Accompanying Persons	
Package	\$350
Sausalito Shopping Tour (Includes Lunch)	\$65

PROCESS VISA APPLICATIONS EARLY

PIANC cannot intervene on behalf of the invitees with the Embassy or U.S. Consulate via fax, phone, surface mail, or e-mail. The U.S. Department of State provides information on traveling to the United States regarding passports, international travel, etc. To request a Letter of Invitation to attend the Congress, please send an e-mail to 2014congress@pianc.us. Please be ready to provide your complete official name, physical address, and e-mail address. The Letter of Invitation will only be sent via e-mail to the e-mail address that you provide. The Letter of Invitation cannot be e-mailed or sent to the Embassy or U.S. Consulate.

Congress Sponsors and Exhibitors

We thank all our sponsors/exhibitors for their support of the 33rd Annual PIANC Congress.

Congress Platinum Sponsor

Bechtel



AGA Platinum Sponsor

Trelleborg Marine Systems



Gold Sponsor

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