

ATTENDEE AND SPONSORSHIP INFORMATION



2024 UHPC Spring Workshop April 4-6, 2024

Courtyard Marriott Tacoma
Downtown
Tacoma, Washington



Invitation to Attend

Join us for the APA's 2024 UHPC Spring Workshop in Tacoma, Washington for an education-packed and fun-filled event!

Discover the power and versatility of Ultra High Performance Concrete (UHPC) at this exclusive event. With its incredible strength, lightweight structure, and resistance to freezing and thawing, UHPC is a game-changer for all producers.

Hosted by Northwest Precast, this workshop will provide you with valuable insights into UHPC production. Explore their brand new 80,000 sq. ft. state-of-the-art facility, learn about best practices, and gain valuable lessons from their experience with UHPC production. Educational content will be both hands-on in the plant as well as in the classroom.

In addition to a tour of Northwest Precast, we will also conduct a plant tour of Concrete Technology Corporation (CTC). Founded in 1951, CTC has a 150,000 sq. ft. enclosed production facility on a 30-acre parcel in Tacoma. During its successful history, CTC has generated literally thousands of bridges, buildings, piers, tanks, floats and other structures throughout the Pacific Northwest and Alaska. CTC holds the record for producing the longest single-piece prestressed concrete girder made in the U.S. at 223 feet long and 8.3 feet tall. (See image of girder below).

Finally, there will be time set aside to take in the sites of the Pacific Northwest, a golf outing, and we'll cap off the event with a dinner cruise on the Puget Sound!



Workshop Agenda

Thursday, April 4

Marriott Tacoma Downtown

- 8:30 a.m. - 11:30 a.m. **APA Board Meeting** (*Marriott Courtyard Tacoma Downtown*)
1:00 p.m. – 5:00 p.m. **Golf Outing** (*Washington National*)
6:30 p.m. – 7:30 p.m. **Welcome Reception** (*Cocktails and Light Hors d'Oeuvres*)

Friday, April 5

Plant Tours and On-Site Training - Northwest Precast, Puyallup, Washington

- 7:45 a.m. **Bus Departs for Plant Tour - Concrete Technology Corporation (Tacoma)**
8:00 a.m. **Arrive at Concrete Technology Corporation**
9:30 a.m. **Bus Departs for NW Precast**
10:00 a.m. – 1:00 p.m. **Plant tour and UHPC Hands on Instruction**
Presenters:
Tim McGourty, Owner, Northwest Precast
Roy Welch, Q.C. Lab Manager, Northwest Precast
Adam Whitehurst, Q.C. Manager, Northwest Precast
Station I: Mold Making– Form Strength, Setup and Finish
Station II: Mixing and Pours – Timing, Temperature, Hydration, Equipment
Station III: Materials
Station IV: Color – Proportions and Matching with Cast Stone / Precast
Station V: Samples & Finishes
- 1:00 p.m. – 1:45 p.m. **Lunch**
1:45 p.m. – 2:15 p.m. **Marketing of Architectural UHPC**
Presenter: *Tim McGourty Owner, Northwest Precast*
2:15 p.m. – 3:30 p.m. **Lessons Learned: How to Successfully Produce UHPC (with Q&A session)**
Presenter: *Tim McGourty*
3:30 p.m. Bus **Bus Departs for Hotel**

Workshop Agenda

Saturday, April 6

Classroom Instruction Courtyard Marriott Tacoma Downtown

- 8:30 a.m. – 9:30 a.m. **Practical Application of UHPC: What you Need to Know for the Successful Use of UHPC**
Presenter: *Anthony Ragosta, P.E. Director of Engineering & Operations, ceEntek*
- 9:30 a.m. – 10:30 a.m. **Business Case: When does it makes sense to use UHPC?**
Presenters:
Gary Arkin, President/Owner, Premier Precast
Daniel Arkin, V.P., Premier Precast
- 10:30 a.m. – 10:45 a.m. **Break**
- 10:45 a.m. – 11:45 p.m. **Sustainability & Uses of UHPC**
Presenter: *Larry Rowland, Sustainability Market Manager, Heidelberg Materials*
- 11:45 p.m. – 12:45 p.m. **Lunch**
- 12:45 p.m. – 1:45 p.m. **Ultra-High-Performance Concrete: A Blueprint for Leadership in Sustainability and Architectural Precast**
Presenter: *Jamal Nelson, Director of Business Development Northwest Precast*
- 1:45 p.m. – 2:45 p.m. **Facilitated Discussion and Wrap Up**
Facilitators:
Tim McGourty, Owner, Northwest Precast
Jesse Thompson, President, Northern Design
Anthony Ragosta, ceEntek
Roy Welch, Northwest Precast
- 5:00 p.m. **Dinner Cruise on the Puget Sound**



Session Descriptions

Sessions I-V: Demonstrations and Hands-on Instruction

UHPC is vastly different than most products precasters are used to working with. Sessions one through five sessions will:

- Detail the similarities and differences between UHPC and traditional concrete mixes.
- Outline the procedures needed to accommodate the unique nature of UHPC.
- Demonstrate the techniques used to successfully work with UHPC.

Presenters/Instructors:

Tim McGourty, Owner, Northwest Precast

Adam Whitehurst, Q.C. Manager, Northwest Precast

Roy Welch, Q.C. Lab Manager, Northwest Precast

- Station I: Mold Making– Form strength, setup and finish
- Station II: Mixing & Pours – timing, temperature, hydration, & equipment
- Station III: Materials
- Station IV: Color – proportions and matching UHPC with other cast stone / precast elements
- Station V: Samples & Finishes

Session VI: Marketing of Architectural UHPC

Presenter: Tim McGourty Owner, Northwest Precast

This session will address how UHPC can be promoted to specifiers and project owners generally, as well as in instances where UHPC may serve as an alternative to traditional precast.

Session VII: Lessons Learned: How to Successfully Produce UHPC

Presenter: Tim McGourty

Use of UHPC requires variations (some subtle and some substantial) in the processes used to manufacture precast. This session will address the steps plants should take to successfully integrate UHPC into its product portfolio.

Session VIII: Practical Application of UHPC: What you Need to Know for the Successful Use of UHPC

Presenter: Anthony Ragosta, P.E., Director of Engineering & Operations, ceEntek

This session will aid attendees in better understanding the “when and why” designing UHPC into your project will benefit you, highlighting the differences between UHPC and traditional concrete seen in the demonstrations and hands-on instruction conducted earlier.

Session IX: Business Case: When does it make sense to use UHPC?

Presenters: Gary Arkin, President/Owner, Premier Precast and Daniel Arkin, V.P, Premier Precast

UHPC is more expensive to produce than traditional concrete, but its extreme strength and ability to produce thin and perforated elements can create cost savings in other areas such as connections, shipping and installation. This session will provide guidance that will assist producers in developing a framework to determine the types of projects where use of UHPC may be most advantageous.

Session X: Sustainability & Uses of UHPC

Presenter: Larry Rowland, Sustainability Market Manager, Heidelberg Materials

Precast concrete is one of the most environmentally friendly and energy efficient building materials on earth. The savings in material reduction using UHPC applications is another avenue to enhance that status. With increased pressure to reduce the carbon footprint of construction projects, this session will explain how designers are using environmental product declarations (EPDs) to account for the embodied carbon in the buildings they design and will detail pathways such as material reduction via UHPC and low carbon mix elements to reduce CO2 impacts and ultimately deliver Net Zero Concrete solutions.

Session Descriptions

Session XI: Ultra-High-Performance Concrete: A Blueprint for Leadership in Sustainability and Architectural Precast

Presenter: Jamal Nelson, Director of Business Development, Northwest Precast

This session will tie together all the content covered in the prior ten sessions including the roots and origin of UHPC and its current application around the world. It will also address UHPC as a solution to global demand for sustainable, climate-positive products; how APA producers can lead in the use of this product; and the steps needed to successfully become UHPC producer.

Session XII: Facilitated Roundtable Discussion and Wrap Up

Presenters:

*Tim McGourty, Owner, Northwest Precast
Jesse Thompson, President, Northern Design
Anthony Ragosta, ceEntek
Roy Welch, Northwest Precast*

During this session our panel will facilitate a discussion on UHPC and how APA plants can increase their use of the product. It will also allow for plants to discuss any challenges they may be facing, new developments in the architectural precast space, and other topics.

Saturday Evening Dinner Cruise on the Puget Sound

Join us on the Olympic Star, a 90-foot two-tier yacht, for an evening tour of the Puget Sound where whale and eagle sightings are frequent!

Enjoy cocktails, dinner and panoramic views of Mt. Rainier and Washington State's great outdoors on what is sure to be a fantastic evening event!



Charity Golf Outing



Washington National Golf Club

14330 SE Husky Way - Auburn, WA 98092

Thursday April 3, 1:00 p.m.

Join us at the home course of the Washington Huskies
for an afternoon of fun and birdies (hopefully)

Registration Fee: \$125 per player

(Includes greens fees, cart and range. Proceeds will go The Cure Starts Now Foundation
in memory of John Bradley Thompson)

Rental clubs will be available onsite for \$60



Area Attractions



[LeMays American Car Museum, Tacoma](#)

LeMay – America’s Car Museum, a member of America’s Automotive Trust, is an international destination for families and auto enthusiasts to celebrate America’s love affair with the automobile and learn how it shaped our society.



[Space Needle, Seattle](#)

Experience two entirely new levels of thrills! From an all-glass floor on the lower level to floor-to-ceiling glass on the upper level, Seattle’s “must see” is now a “must do.”



[Pike Place Market, Seattle](#)

The Pike Place Market has been a defining Seattle icon for more than a century. Considered by many “the soul of Seattle,” the Market spans nine historic acres in the center of downtown where everyday locals and tourists alike shop, visit, eat and discover.



[Point Defiance Zoo and Aquarium, Tacoma](#)

Point Defiance Zoo & Aquarium (PDZA) is the only combined zoo and aquarium in the Pacific Northwest. The 29-acre zoological park was established in 1905, and attracts about 700,000 visitors a year.

Tacoma and Seattle Attractions/Websites

LeMays American Car Museum, Tacoma

(americascarmuseum.org/)

Point Defiance Park, Tacoma (metroparkstacoma.org/place/point-defiance-park/)

Point Defiance Zoo and Aquarium, Tacoma (pdza.org/)

Museum Of Glass, Tacoma (museumofglass.org/)

Tacoma Art Museum, Tacoma (tacomaartmuseum.org/)

Washington State History Museum, Tacoma

(washingtonhistory.org/)

The Museum of Flight, Tukwila (museumofflight.org/)

Pike Place Market, Seattle (pikeplacemarket.org/)

Space Needle, Seattle (spaceneedle.com/)

Seattle Aquarium, Seattle (seattleaquarium.org/)

Argosy Cruises, Seattle (argosycruises.com/)

Seattle Underground Tour, Seattle (undergroundtour.com/)

Hotel Information

Courtyard Marriott Tacoma Downtown

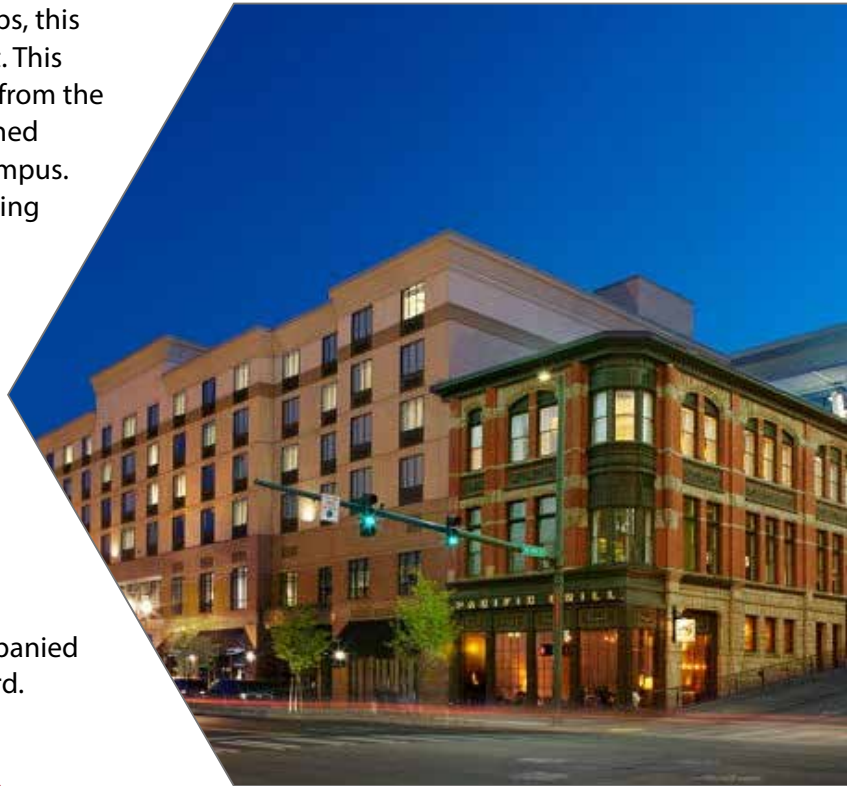
1515 Commerce St., Tacoma, WA 98402

Nestled at the heart of Tacoma's financial and theater hubs, this upscale Tacoma hotel is primely located on Commerce St. This downtown Tacoma hotel is conveniently just steps away from the city's convention center, distinguished museums, renowned restaurants and the University of Washington-Tacoma campus. The Light Rail tram is accessible from the hotel, transporting guests to enticing attractions such as the Tacoma Dome, Chihuly Bridge of Glass and Washington State History Museum. After a day filled with business meetings or sightseeing, guests can unwind in the Bistro with its seasonal delicacies and signature cocktails.

Group Rate: \$169 plus tax per night (Cut-off is March 6, 2024)

- **Parking:** Self-Parking- \$19 per day
- **Valet:** \$21 per day
- **Reservation Policy:** All reservations must be accompanied with a pre-paid room deposit with a major credit card.
- **Online Reservations:** Visit archprecast.org or www.archprecast.org/2024-spig-workshop for hotel link.
- **Hotel Reservation Cutoff Date:** Thursday, March 9th

Note: Rooms will sell out, so please book ASAP



Sponsor Opportunities

Dinner Cruise Sponsor - \$2,500

(Limit 2)

- 5 minute verbal presentation
- List of APA Spring Workshop attendees
- Sponsor recognition on APA website with link to company website
- One complimentary full page color ad in workshop program
- Two (2) full registrations for representatives from your company
- Name and logo on Spring Workshop program and event signage
- Sponsor recognition in email blasts
- One complimentary full page color ad in the *Precaster* e-magazine wrap-up issue

Platinum Level - \$1,500

- 5 minute verbal presentation
- List of APA Spring Workshop attendees
- Sponsor recognition on APA website with link to company website
- One complimentary 1/2 page color ad in workshop program
- Two (2) full registrations for representatives from your company
- Name and logo on Spring Workshop program and event signage
- Sponsor recognition in email blasts including the *Precaster* e-magazine wrap-up issue

Gold Level - \$1000

- List of APA Spring Workshop attendees
- One complimentary 1/2 page color ad in workshop program
- Sponsor recognition on APA website with link to company website
- One (1) full registration for a representative from your company
- Name and logo on Spring Workshop program and event signage
- Sponsor recognition in email blasts including the *Precaster* e-magazine wrap-up issue

Lunch - \$1000 (Limit 2)

- List of APA Spring Workshop attendees
- Sponsor recognition on APA website with link to company website
- One complimentary 1/2 page color ad in workshop program
- Name and logo on Spring Workshop program and event signage
- Sponsor recognition in email blasts including the *Precaster* e-magazine wrap-up issue

Silver Level - \$750

- List of APA Spring Workshop attendees (provided after the event)
- One (1) full registration for a representative from your company
- Sponsor recognition on APA website with link to company website
- Name and logo on Spring Workshop program and event signage
- Sponsor recognition in email blasts including the *Precaster* e-magazine wrap-up issue

Breakfast - \$750

- List of APA Spring Workshop attendees
- Sponsor recognition on APA website with link to company website
- One complimentary 1/2 page color ad in workshop program
- Name and logo on Spring Workshop program and event signage
- Sponsor recognition in email blasts including the *Precaster* e-magazine wrap-up issue.

How to Register

To register online, click the button or scan the QR code



Fees:

- APA Member Registration: \$299.00 (after February 29, \$349.00)
- Non-Member Registration: \$399.00 (after February 29, \$449.00)
- Guest/Spouse Registration: \$169.00 (after February 29, \$219.00)
- Golf Registration: \$125.00

**Fees include educational sessions and food functions identified, bus transportation on Friday, and dinner cruise.

Refund Policy:

- All golf refunds must be requested in writing by Sunday, March 11, 2023. No refund requests for golf received after March 11th will be processed.
- All other refund requests must be received in writing by Friday, March 15, 2023. The full registration fee, less a \$25.00 service fee, will be refunded after the seminar. No refund requests received after March 15 will be processed. Registration transfers to another person in the same company are acceptable.

