



**On Demand: PHTA/GENESIS Bundle.**  
**Click here for registration link.**

### **C424: Waterproofing**

1.5 hours | 0.2 IACET CEUs | 2 PHTA CEUs

#### Learning Objectives:

- Review definitions, clarify terminology and identify critical elements of successful waterproofing applications.
- Identify applicable codes, standards, guidelines, and best practices for the waterproofing and finishes industry.
- Review specific processes that are guaranteed to create failures with either the waterproofing or the finishes.
- Explain liabilities, warranties, risk, and what can be expected, regarding support, for various installation types.
- Identify items that could be researched and developed by industry stakeholders to advance the industry and reduce liability for builders.

Watertight vessels are paramount to successful watershapes that endure harsh environments through the test of time. Waterproofing has become more challenging as projects become increasingly more complicated, and the solutions are not always easily implemented. This seminar will examine various trades within waterproofing and finishes, explain challenges, concerns, and identify potential solutions.

**Instructor:** Ken Milbery

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### **D131: Identifying New Business & Design Trends**

1.00 hrs | 0.1 IACET CEUs | 2 PHTA CEUs

#### Learning Objectives:

- Examine the ways to capture, process and analyze design trend signs.
- Recognize the evolution of design trends and explore inspirations that influence today's design.
- Identify market strategies and innovative ways to reach a new audience.
- Identify the ever-changing consumer and how design influences their purchasing decision.
- Examine the latest look in home design and colors.

With his finger on the pulse of design trends from iPhones to interior design, Feras Irikat will explain why things look the way they are and how that affects your purchasing decisions at a subconscious level. These trends run across multiple product and project categories including automobiles, tile blends, and how mixing finishes and styles can be done in an eclectic, but tasteful way.

**Instructor:** Feras Irikat

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## **C308: The Beauty of the Edge – The Definitive, Internationally Acclaimed Vanishing Edge & Water-in-Transit Design**

1.0 hours | 0.2 IACET CEUs | 2 PHTA CEUs

Learning Objectives:

- Identify vanishing edges, slot-edges, gutters, deck-level pools, raised perimeter-overflow pools.
- Examine attached surge basins, detached surge basins, basin volume sizing rules-of-thumb, gravity lines.
- Review line-of-sight considerations, edge details, flow rates, and tolerances.
- Discuss aesthetic and functional considerations.

Learn the correct methods for creating the tremendous visual and functional applications of water-in-transit such as vanishing edges, deck-level slot overflows, and elevated perimeter overflows. Understand flow rate requirements and different edge details for creating various effects, and their relationship to edge tolerances and special conditions, establishing line-of-sight goals and project objectives. Presentation will also cover hydraulic system design criteria, catch basin dimensions, surge tank sizing, proper slopes, and air venting of gravity flow systems to enable efficient flow rates while minimizing noise.

**Instructor:** Skip Phillips, SWD Master

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## **C305: Glass Tile Installation**

1.5 hrs | 0.2 IACET CEUs | 2 PHTA CEUs

Learning Objectives:

- Examine glass tile, mosaic tile, all-tile pools.
- Review tile preparation and back-buttering.
- Examine layout, seams, treatment at contours, coves, and edges of steps and benches.
- Discuss installation methods following standards produced by the TCNA.

This module shows the best practices for glass tile installation following the guidelines of the Tile Council of North America. Glass tile is expensive and time consuming to install. Students will significantly reduce their risk exposure by learning the tricks of the trade from the first-hand experience of a top-tier glass tile installer. Get inspired with several images of completed works and the step-by-step process that led up to the spectacular finish.

**Instructor:** Greg Andrews

## **D411: Integrating Manufactured Pools Into a Master Plan**

1.5 hrs. | 0.2 IACET CEUs | 2 PHTA CEUs

Learning Objectives:

- Review the Principles of Design, Quick Sketching Techniques, and “Mind-Reading”.
- Create a scaled base plan on site (quickly).
- Convert a scaled base plan into a rendered master plan showing the swimming pool, living spaces, and circulation.
- Analyze the strengths and weaknesses of your master plan with an in-class presentation.

Through a series of exercises, you will learn how to integrate a manufactured pool into a master plan. You will learn how to quickly render the plan on site and include relevant information, so it communicates well to the customer. By being able to show the client exactly what they will be getting, you can eliminate a major obstacle to closing the sale. Give the customer the ability to visualize how the product will fit into their own yard.

**Instructor:** Kate Wiseman, MLA

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## **PHTA | Stay Current In Pools – The Activities of the Recreational Water Quality Committee (RWQC) – a PHTA Resource**

1.5 hours | 2 PHTA CEUs

Learning Objectives:

- Define the role of the Recreational Water Quality Committee (RWQC)
- Identify the projects and activities handled by the RWQC including potential updates to the Certified Pool Operator (CPO) course
- Discuss the ANSI/APSP/ICC-11 and possible new changes
- Examine the latest Fact Sheets with up to date information about topics in the industry

The Recreational Water Quality Committee (RWQC) is an invaluable resource in assisting PHTA in the development and maintenance of authoritative information regarding chemical products, processes and devices that affect water quality in the swimming pool and hot tub industry. Members of the RWQC provide vital input in the development of the ANSI/APSP/ICC-11 American National Standard for Water Quality in Public Pools and Spas. The committee is also heavily involved in educational activities such as PHTA’s Certified Pool Operator course and the publishing of industry Fact Sheets. We’ll discuss the latest activities of the RWQC, including the most recent educational Fact Sheets and how those efforts are assisting the industry and you.

**Instructors:** Jody O’Grady, Jim Egan, John Weber

## **PHTA | Potential Standard for Commercial and Residential Rooftop/Elevated Pools and Hot Tubs**

1.5 hours | 0.2 IACET CEUs | 2 PHTA CEUs

### **Learning Objectives:**

- Discuss the reason for forming a drafting committee to address elevated pools and hot tubs
- Examine what makes elevated pools and hot tubs different from inground swimming pools
- Discuss elements relating to elevated pools and hot tubs that make them more challenging

The provisions of this potential new ANSI/PHTA/ICC standard apply to the design, construction, alteration, renovation, replacement, repair, and maintenance of aquatic recreation facilities, pools, and hot tubs installed above the first floor or higher and or over or above occupiable space. The pools and hot tubs covered by this standard are permanent, shall be only those that are designed and manufactured to be connected to a circulation system and that are intended for swimming, bathing or wading. In this session we'll review the decision for a drafting committee and reasonings for the development of a potential standard.

**Instructor:** Mark Trapani

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## **PHTA | How to Prepare for Federal Pool Pump Regulations That Will Impact Your Business and Boost Sales**

1.5 hours | 0.2 IACET CEUs | 2 PHTA CEUs

### **Learning Objectives**

- Explain U.S. Department of Energy (DOE) pool pump regulations
- Identify the types of pool pump designs that will be impacted by the new regulation
- Discuss product ratings, ENERGY STAR, and how it affects other national and state standards
- Communicate the benefits of energy-efficient pool pumps to how to peers and customers.

In July 2021, new federal regulation for energy-efficient pool pumps goes into effect, and it will eliminate the poorest performing pool pumps from the market. Compared to other home energy items, pool pumps are often cited as the second-highest usage of home energy followed by heating and cooling systems. As many homeowners wish to save energy and reduce their energy expenses, purchasing energy-efficient products, including pool pumps, allows consumers to benefit from ENERGY STAR rebates and long-term energy savings. Attendees of this session will review information on the U.S. Department of Energy (DOE) pool pump regulations and how to address this issue with their customers effectively.

**Instructors:** Scott Petty and Jeff Farlow

## **PHTA | What's in Your Contract. A Legal Checkup**

1.5 hours | 0.2 IACET CEUs | 2 PHTA CEUs

Learning Objectives:

- Examine how to limit the liability to customers through effective contract language on start and completion dates, warranty disclaimers and other common issues
- Discuss maximizing your protection from vendors and manufacturers
- Identify and comply with consumer fraud and employment laws that affect your business

During this session, Attorney Steven Getzoff will examine ways to protect your business from the common liability traps. Students will review contracts and warranties, discuss consumer fraud issues and identify employment laws and regulations.

**Instructor:** Steven Getzoff

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## **PHTA | Creating and Maintaining a Compliant Work Environment**

1.5 hours | 0.2 IACET CEUs | 2 PHTA CEUs

Learning Objectives:

- Discuss the establishment and enforcement of policies necessary to prevent and address claims of harassment and discrimination
- Identify and comply with the changing laws on employee and independent contractor issues
- Examine ways to protect your prized assets when employees leave

Attorney Steve Getzoff will review, examine and provide expert legal advice on how to prevent and address harassment and discrimination. The course will analyze complying with wage and hour issues and discuss how to protect your customer base and trade secrets.

**Instructor:** Steven Getzoff