

Presented by the Florida Swimming Pool Association



February 23-25, 2023 | Orlando, FL

[www.UnderTheSunExpo.com](http://www.UnderTheSunExpo.com)

*Complete Education &  
Trade Show Information*

## Concierge Registration Services



Registration assistance  
from our staff in Sarasota.

Call the FSPA office at 941-952-9293 or  
e-mail [Valerie@FloridaPoolPro.com](mailto:Valerie@FloridaPoolPro.com) with a  
day, time and phone number.

Perfect for registering numerous staff, those who can't get to a computer or  
anyone looking for guidance on the registration system!

# Schedule

## Wednesday, February 22

8:00 a.m. - 5:00 p.m. Pre-Conference Specialty Education

## Thursday, February 23

8:00 a.m. - 5:00 p.m. Pre-Conference Specialty Education

10:00 a.m. - 5:00 p.m. Conference Education / CE Credits

6:30 p.m. - 8:00 p.m. Welcome and Awards Reception



## Friday, February 24

8:00 a.m. - 12:50 p.m. Conference Education / CE Credits

10:00 a.m. - 5:00 p.m. Exhibit Hall

11:00 a.m. - 11:30 a.m. FSPA Annual Membership Meeting

12:30 p.m. - 4:30 p.m. Learning Lab Sessions (in exhibit hall)

6:30 p.m. - 9:30 p.m. Friday Night Industry Party at Howl at the Moon



## Saturday, February 25

8:30 a.m. - 1:20 p.m. Conference Education / CE Credits

10:00 a.m. - 2:30 p.m. Exhibit Hall

11:30 a.m. - 2:00 p.m. Learning Lab Sessions (in exhibit hall)

# Registration

[www.UnderTheSunExpo.com](http://www.UnderTheSunExpo.com)

Registration questions? 941-952-9293 | [valerie@FloridaPoolPro.com](mailto:valerie@FloridaPoolPro.com)

## Admission and Education Rates

	Before 1/31	After 1/31	FSPA Member
Exhibit Hall Only (two-day entry)	\$25	\$40	FREE
Education + Exhibit Hall Daily Rate	\$45/day	\$60/day	FREE
Education - FL CILB CE Credits + Hall	\$125/day	\$140/day	FREE
Pre-Conference Specialty Education	<i>See course listings for pricing</i>		
Learning Lab Sessions	\$5	\$5	FREE
Friday Night Industry Party	\$40 (open bar, food, live music)		

# Hotels

### Rosen Plaza Hotel

9700 International Dr.  
800-627-8258  
\$195 /night  
(Rate ends Jan. 31, 2023)

### Hyatt Regency Orlando

9801 International Dr.  
402-593-5048  
\$203 /night + \$15 daily resort fee  
(Rate ends after Jan. 25, 2023)

### Rosen Centre

9840 International Dr.  
800-204-7234  
\$209/night  
(Rate ends Jan. 31, 2023)

Limited rooms are available at each hotel. Please make reservations early to receive the group rate. Exhibitors can contract sub-blocks. Please identify yourself with the group. We do NOT use a housing company and will never call to book your room over the phone.



## Raise funds for the scholarship program and remember a great industry leader!

Raise money for the FSPA's Margaret M. Brown Scholarship Fund while getting your steps and enjoying some virtual views! As you record your steps online, you will see sights of Ireland or Italy through this virtual walk. Walk anytime and support a good cause! Pick up your Scholarship Stride T-shirt in the FSPA booth. Contact [info@FloridaPoolPro.com](mailto:info@FloridaPoolPro.com) to become a sponsor.

**Registration: \$35**



## FRIDAY NIGHT PARTY

February 24, 2023

6:30 PM

Advance Tickets \$40  
At Door \$45  
Purchase early at  
FSPA Booth



8815 International Dr.

Free Food!  
Open Bar!  
Dueling Pianos!

# Education Schedule At A Glance

## Wednesday, Feb. 22 - Thursday, Feb. 23

8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00
Wed. 8:00 a.m. - 5:00 p.m. LP Gas Master Qualifier Endorsed Program - \$440 / \$590 non-members NO CILB CE CREDIT									
Wed. 8:00 a.m. - 5:00 p.m. GENESIS@: E245: Standards, Codes, and Ordinances: A Builder's Guide to Proper Implementation - \$699 FSPA and PHTA Members / \$999 non-members NO CILB CE CREDIT									
Wed. 8:00 a.m. - 5:00 p.m. National Plaster Council, Start-Up Certification - \$425 NO CILB CE CREDIT									
Wed. - Thurs. 8:00 a.m. - 5:00 p.m. Watershape University: Construction 3611: Essential Plaster Workshop (16 hr) \$1,500 / Must attend both days NO CILB CE CREDIT									
Wed. - Thurs. 8:00 a.m. - 5:00 p.m. Watershape University: Engineering 4411: Electrical Installation Workshop (16 hr) \$1,500 NO CILB CE CREDIT									
Wed.- Thurs. 8:00 a.m. - 5:00 p.m. Florida Public Pool Specialist (BP / WPS) - 0611965 (16hr) \$380 / \$480 non-members / Must attend both days									
Thurs. 8:00 a.m. - 5:00 p.m. Watershape University: Construction 3411: Essential Plumbing Workshop \$1,000 **ALSO OFFERED IN SPANISH SAME DAY AND TIME									
Thurs. 8:00 a.m. - 5:00 p.m. GENESIS@: C410: Advanced Pool Construction - \$699 FSPA and PHTA Members / \$999 non-members NO CILB CE CREDIT									
Thurs. 8:00 a.m. - 11:50 a.m. LP Gas - Florida Laws and Rules \$200 / \$250 non-members - 3030303									
			Thurs. 10:00 a.m. Could this happen to you? (BP) - 0614357	Thurs. 11:00 a.m. What Happens if I Do That? (L&R) - 0613778	Thurs. 12:00 p.m. FL Workers' Comp and Requirements (WC) - 0613189	Thurs. 2:00 p.m. Watershape University(WPS/GEN) - 0610226			
				Thurs. 11 a.m. PHTA/GENESIS: E111-Intro. to Swimming Pool Hydraulics	Thurs. 1:00 p.m. In-Depth Heating Overview (GEN) - 0613186	Thurs. 3:00 p.m. Web-Based Automation (GEN) - 0614041 / Also Offered in Spanish (separate rooms)			

## Friday, February 24 - 8:00 a.m. - 12:50 p.m.

## Exhibit Hall Open 10:00 a.m. - 5:00 p.m.

8:00	8:15	8:30	8:45	9:00	9:15	9:30	9:45	10:00	10:00	10:15	10:30	10:45	11:00	11:15	11:30	11:45	12:00
Workplace Safety (WPS) - 0614355				Industrial Grade VFD Alternatives(GEN) - 0614063				6 Steps to Safer Digging (WPS) - 0612729				Salt Chlorine Generators for Beginners (GEN) - 0614031					
Waterproofing Concrete Pools (GEN) - 0614039				Preparing Your Business to Live Without You (BSP) - PENDING CILB APPROVAL				Pool Chlorine Mysteries: Chlorine's Annoying Disappearing Act: How to Fix it and Increase Profits (GEN) - 10:00-11:50 - 0614034				FBC Adv. Module: 2020 Pool/Spa Energy Code (ADV) - 0612971 12:00 - 12:50					
FBC Advanced Module: 2020 Swimming Pool Updates (ADV) - 0613859								Solar Heating Design and Application (GEN) - 0613223				Boom to Boost, Get your Business Ready (GEN) - 0614360					
Saline Chlorination - Making Chlorine Out of Recycled Pool Water (GEN) - 0010595								SPANISH: Watershape University: Design Fees - Billing for Professional Services (GEN)				SPANISH: Chemistry for the New Pool (GEN) - 0614356					
Commercial Pool Equipment Repairs and Upgrades (GEN) - 0614359								Chemistry for the New Pool and Other Advanced Chemistry Issues (GEN) - 0614356				DBPR Laws & Rules (L&R) - 0609216					
Proper Swimming Pool Inspections with Leak Detection (GEN) - 0614033								Watershape University: Understanding Alkali Silica Reaction (GEN) - PENDING CILB APPROVAL									
Proper InGround Spa Jet Design in a Variable Speed World (GEN) - 0613690								Florida Workers' Compensation Laws and Requirements (WC) - 0613189									
VSPs and DOE (GEN) - 0614042								Basic Pool Equipment Troubleshooting & Repairs (GEN) - 0614369									
SPANISH: VSPs and DOE (GEN) - 0614042								Swimming Pool & Spa Basic Electrical (PEC) - 0612739									
Water Testing and Treatment Myths Exposed (GEN) - 0613714								How to Generate Better Leads Online - with Bruce Porter - NO CE CREDIT									

## Saturday, February 25 - 8:30 a.m. - 12:20 p.m.

## Exhibit Hall Open 10:00 a.m. - 2:30 p.m.

8:30	8:45	9:00	9:15	9:30	9:45	10:00	10:15	10:30	11:00	11:30	12:00	12:30			
Stop Guessing and Start Understanding What Drives the Buying Habits of Today's Home Pool Owners (GEN) - 0612821				CYA Smart: A Movement Toward Better, Healthier Water (GEN) - 0614361				Florida Construction Lien Law (BSP) - 0610228				PHTA/GENESIS: E345 - Understanding PHTA Standards and Codes- PENDING CILB APPROVAL			
Understanding Basic Hydraulics (GEN) - 0611489				Cost Saving Methods for Business Insurance (GEN) - 0614032				Formalized Fleet Safety (WPS) - 0614363				11:30 AM - 1:20 PM (2hr)			
Selecting, Operating and Maintaining Recreational Water Features (GEN) - 0614062				The Importance of Incident Investigations (GEN) - 0614065				Gas Pool Heater Not Working - Common Gas Supply Issues & Troubleshooting (GEN) - 0613684				PHTA/GENESIS: C212: Pool Surfaces - Problems and Solutions: Help Identify, Prevent and Mediate Pool Surface Irregularities - PENDING CILB APPROVAL 11:30 AM - 1:20 PM (2hr)			
Your Worst Plumbing Nightmares and Expert Solutions (GEN) - 0613708				The VGBA Standard Changed: What Your Company Needs to Know (GEN) - 0614061								An Overview of Florida's Construction Lien Law - PENDING CILB APPROVAL			
Can I Do That? Swimming Pool License Scope and Limitations (L&R) - 0613681				Effective Communication Techniques - Pending CILB Approval											
Driver Screening & the Importance of MVR Policies (GEN) - 0614064				Swimming Pool & Spa Basic Electrical Requirements (PEC) - 0612739								12:30 - 1:20 PM Dealing with Dirt Problems: Sources of Risk - PENDING CILB APPROVAL			
FBC Advanced Module ANSI-15 and ANSI-7 (ADV) - 0610378												PHTA/GENESIS: Job Costing for Profit vs. Existence - PENDING CILB APPROVAL			
Intermediate Pool Water Chemistry and Troubleshooting (GEN) - 0613191												Watershape University: CON 3251: Pier and Beam Construction (GEN) - PENDING CILB APPROVAL			
Alternative Dispute Resolution (BSP) - 0007785												Exploring ORP (GEN) - 0614066			
Enhancing Your Digital Footprint - with Bruce Porter - NO CILB CE CREDIT												Recreational Water Balance 101 (GEN) - 0614037			

## Learning Labs

Labs are presented by exhibitors and may be product specific. NOT for CE credit.

### Identifying, Removing, and Preventing Staining and Discoloration in Swimming Pools and Solving Everyday Issues

Friday: 12:30 p.m. - 1:30 p.m.

Instructor: Joel Gray, Jack's Magic Products

Identify, remove, and prevent the most common types of staining and discoloration in swimming pools and spas. How to do a proper 30-day start-up and use service items for everyday issues

### Installation and Operation of VGreen EVO® Variable Speed Replacement Motors with Century Connect™ Technology

Friday: 2:00 p.m. - 3:00 p.m.

Instructor: Ed Populis, Century Electric Motors

An interactive presentation featuring VGreen EVO® variable-speed replacement motors with Century Connect™ technology. Learn installation and operation of the variable-speed retrofit motors in common pool / spa applications including installation with existing pool automation systems, time clocks and stand-alone applications.

See current list of learning labs at [www.UnderTheSunExpo.com](http://www.UnderTheSunExpo.com)

### Raypak's Newest Small Footprint Gas Fired Pool and Spa Heater w/ WiFi

Friday: 12:30 p.m. - 1:30 p.m.

Instructor: Brad Duncan, Raypak

Learn about what this new gas heater can do, how to install it, get it hooked up to the internet and a few troubleshooting techniques. We will also allow for Q&A time.

### Introduction to Raypak Small Footprint Hi Efficiency Crosswind Pool Heat Pump

Friday: 2:00 p.m. - 3:00 p.m.

Instructor: Brad Duncan, Raypak

As an attendee you will receive an overview of the product, understand which size to use for your application, how to install it, light troubleshooting and be provided with time for Q&A.

### Installation and Troubleshooting Raypak Avia Gas Pool/Spa Heater & Crosswind Side Discharge Heat Pump

Saturday: 11:30 a.m. - 12:30 p.m.

Instructor: Brad Duncan, Raypak

Receive installation, troubleshooting and sizing tips for Raypak's new AVIA Gas Fired pool and spa heater as well as Raypak's Crosswind side discharge high efficiency heat pump.

## Florida Public Pool Specialist

16-hour Certification approved by DOH

Wednesday, Feb. 22 - Thursday, Feb. 23: 8:00 a.m. - 5:00 p.m.

Orange County Convention Center

*Course manual and lunch included*



**Become certified to service public pools and spas in Florida. Required in Florida! Certification is valid for five years.**

**Call 800-548-6774 with questions.**

The Florida Public Pool Specialist (FPPS) course is a training and certification to become a Florida public pool operator. It was developed by the FSPA and approved by the state of Florida Department of Health as an approved 16-hour Florida public pool service technician certification course. Unlike other 16-hour courses, the FPPS course is based on **Florida codes** and regulations and taught by active Florida industry professionals.

The FPPS certificate program includes operation principles, basic calculations, safety, water illnesses, water chemistry, sanitation, specialty chemicals, special problems, water testing, circulation and filtration systems, spa pools and hot water chemistry.

**Learn the most current standards for public pools and spas.**

**FSPA Members: \$380 / Non-Members: \$480**



at the



Join us in welcoming Watershape University to the Expo! This is their first year being a part of our specialty and general course offerings.

**Construction 3341: Essential Plumbing Workshop**



\$1,000 NO CE CREDIT (8) | Thursday, 8 AM-5 PM | *OFFERED in SPANISH same day and time*  
 David Penton, IWI of Fluid Dynamics and co-founder of Ask the Masters and J.C. Escudero, IWI of J Designs Pool and Spa Inc., Watershape University

If the heart of a pool is the pump and filter, then the veins and arteries are the pipes which transport the fluids or gasses critical to proper operation of the watershape. Just like in our bodies, if the circulation system is not optimized, the whole body will not function as desired. Learn not only the basics for evaluating the plumbing system required for the specific install, but also dive deeper into specific means and methods necessary to install the elements to ensure long-term success of the project.

**Construction 3611: Essential Plaster Workshop (2 Days / 16 hrs)**



\$1,500 NO CE CREDIT | Wednesday - Thursday, 8 AM-5 PM  
 Bill Drakeley, Jon Temple and Eric Knight, Watershape University

This class defines and resolves frustrating disconnects that have long existed between pool builders, plaster applicators and service technicians. By combining these three disciplines and the key phases they encompass, students will fully understand concrete pool expectations in terms of finished application, successful start-up and satisfying project goals and intentions. This instructor panel features top experts in their respective fields: Bill Drakeley (concrete), Jon Temple (plaster) and Eric Knight (startup/service). Includes both hands-on instruction for application techniques, lecture, supplemental instruction, and reference materials.

**Engineering 4411: Electrical Installation Workshop (2 Days / 16 hrs)**



\$1,500 NO CE CREDIT | Wednesday - Thursday, 8 AM-5 PM  
 Paolo Benedetti and Bill Drakeley, Watershape University

Electricity rarely wants to engage with water but, in the watershaping industry, it is unavoidable - electrical power is needed to run pumps, heaters, chemistry systems, lights and other equipment. The pool and hot tub industry has volumes of specific life-critical codes to consider, spread across multiple ever-changing documents. Making sense of it all is a challenge, even for licensed electricians who may have wired 1,000 homes but still don't know how to wire a single pool safely. And that's just the "high-voltage" side of things - there is much to talk about on the low-voltage and wireless side of communications, controls, home automation, etc. This program is designed for pool builders, service professionals and licensed electricians needing to improve their watershaping electrical acumen.

**These Watershape University courses are part of daily education pricing and their descriptions can be found on the subsequent pages.**

**BUS 1341: Design Fees - Billing for Professional Services (SPANISH)**



PENDING CILB APPROVAL  
 Friday, 10-10:50 AM

Joan Roca, Watershape University

**CON 3251: Pier and Beam Construction**



PENDING CILB APPROVAL  
 Saturday, 10:30-12:20 PM

Paolo Benedetti, Watershape University

**CON 1956: Understanding Alkali Silica Reaction**



PENDING CILB APPROVAL  
 Friday, 10-11:50 AM

Paolo Benedetti, Watershape University

**CON 2921: Profiling Outstanding Projects Start to Finish**



PENDING CILB APPROVAL  
 Thursday, 2-4:50 PM

Bill Drakeley, Brian Van Kirk, Erik Eikevik, Brett Holland, Watershape University



**GENESIS**® at the  
EDUCATE. CERTIFY. CONNECT.



Presented by the Florida Swimming Pool Association

### **E245: Standards, Codes, and Ordinances: A Builder's Guide to Proper Implementation**

GENESIS® course for \$999 / PHTA and FSPA Members \$699

NO CE Credit (GENESIS Providership)/ 8 hrs | Wednesday 8:00 a.m. - 5:00 p.m.

*Taught by Terry Brannon, P.E., GENESIS® Engineering Faculty Advisor*

Codes and standards come at us from all sides, it seems, and every year or so those codes and standards are updated, creating a feeling of being lost in the woods for contractors, designers, enforcement, and permitting agencies. In this course, we'll differentiate between codes, standards, and ordinances. Examine what these documents require of all parties affected by them and conclude with providing background and intent on the provisions within these documents.

### **C410: Advanced Pool Construction**

GENESIS® course for \$999 / PHTA and FSPA Members \$699

NO CE Credit (GENESIS Providership)/ 8 hrs | Thursday 8:00 a.m. - 5:00 p.m.

*Taught by Terry Brannon, P.E., GENESIS® Engineering Faculty Advisor*

This course is an advanced construction school intended to discuss advanced soil mechanics, difficult site solutions, and more advanced concrete science than presented in the basic construction school C201. The course also delves into alternative pool construction materials, major defect repair and the rehabilitation of old pools.

**These PHTA/GENESIS® courses are part of daily education pricing and their descriptions can be found on the subsequent pages.**

#### **PHTA/GENESIS: E111 - Introduction To Swimming Pool Hydraulics**

PENDING CILB APPROVAL

Thursday 11:00 a.m. - 12:50 p.m.

*Speaker: Terry Brannon, GENESIS/PHTA*

**NEW**

#### **PHTA/GENESIS: C212: Pool Surfaces – Problems and Solutions: Profiles - An Interactive PowerPoint and Discussion to Help Identify, Prevent and Mediate Pool Surface Irregularities**

PENDING CILB APPROVAL

Saturday 11:30 a.m. - 1:20 p.m.

*Speaker: Randy Dukes, GENESIS/PHTA*

**NEW**

#### **PHTA/GENESIS: Job Costing for Profit vs. Existence**

PENDING CILB APPROVAL

Saturday 10:30 a.m. - 12:20 p.m.

*Speaker: Brian Van Bower, GENESIS/PHTA*

**NEW**

#### **PHTA/GENESIS: E345 - Understanding PHTA Standards And Codes**

PENDING CILB APPROVAL

Saturday 11:30 a.m. - 1:20 p.m.

*Speaker: Terry Brannon, GENESIS/PHTA*

**NEW**

# Join the FSPA



Florida Swimming Pool Association  
[www.FloridaPoolPro.biz](http://www.FloridaPoolPro.biz)

FSPA serves the pool professionals of Florida. Some programs benefit your company, some benefit your employees, and some the pool industry as a whole.

[www.FSPABenefits.com](http://www.FSPABenefits.com)

# Education Courses by Category

## Build / Repair

### **PHTA/GENESIS: E111- Introduction To Swimming Pool Hydraulics**

Thursday 11:00 a.m. - 12:50 p.m. / PENDING CILB APPROVAL / 2 hr

Speaker: Terry Brannon, GENESIS/PHTA

Students in this course are introduced to basic concepts of hydraulics and, in particular, water movement in swimming pools. The concept of static pressure is introduced and followed by the dynamic pressure losses due to the flow of water through pipes and equipment. Though methods to calculate total dynamic head necessary for sizing pumps are beyond the scope of this course, the concept is introduced and defined for students taking more advanced courses in the future.



### **Watershape University: CON 2921: Profiling Outstanding Projects Start to Finish**

PENDING CILB APPROVAL

Thursday 2:00 p.m. - 4:50 p.m.

Bill Drakeley, Brian Van Kirk, Erik Eikevik, Brett Hollan, Watershape University

WU's Project Profile Track highlights outstanding and unique work presented by the industry's leading designers and builders.



### **FBC Adv. Module: 2020 Swimming Pool Updates**

Friday 8:00 a.m. - 8:50 a.m. / CILB #0613859 / ADV 1hr

Dallas Thiesen, Florida Swimming Pool Association

Review the sources and use of Florida swimming pool and spa codes and statutes. Look at the permitting process for public pools in Florida. Review the Florida Department of Health Notice of Public Pool Resurfacing Form. Identify exemptions for the installation of swimming pool and spa equipment in Special Flood Hazard Zones.

### **Waterproofing Concrete Pools**

Friday 8:00 - 8:50 a.m. / CILB #0614039 / GEN 1hr

Jeffrey Winter, Valcon Industries, Inc.  
Discussion will include the proper surface preparation, material selection, application and troubleshooting of cementitious waterproofing for concrete pools.

### **Commercial Pool Equipment Repairs and Upgrades**

Friday 8:00 - 9:50 a.m. / CILB #0614359 GEN 2hr

Rick Howard, Rick's Pool Service

Understand and identify correct or incorrect equipment installations and options available to correct or improve pool filtration / sanitation!



### **Proper Inground Spa Jet Design in a Variable Speed World**

Friday 8:00 - 9:50 a.m. / CILB #0613690 / GEN 2hr

Scott Roodbergen, Waterway

Determine correct plumbing and VS pump sizing by properly designing and calculating the hydraulics for a spa jet system for inground gunite, fiberglass or vinyl liner applications. Analyze jet demand flow rate and blueprint pump size. Review how to calculate system total head loss.



### **(SPANISH) VSPs and the DOE**

Friday 8:00 - 9:50 a.m. / CILB #0614042 / GEN 2hr

Rudy Castro, Fluidra

An explanation of pump efficiency regulations and VSP benefits. The instructor will demonstrate VSP programming for efficiency and turnover.

### **VSPs and the DOE**

Friday 8:00 - 9:50 a.m. / CILB #0614042 / GEN 2hr

Rocco Russo, Fluidra

An explanation of pump efficiency regulations and VSP benefits. The instructor will demonstrate VSP programming for efficiency and turnover.

### **Industrial Grade VFD Alternatives**

Friday 9:00 - 9:50 a.m. / CILB #0614063 / GEN 1hr

Matt Stiles, Commercial Energy Specialists

A brief review of Federal Pool Pump regulations, cause of VFD popularity, VFD types that meet regulation, and single-phase vs. 3-phase conversion and when it is used. Learn about advanced pump controls - direct control of g.p.m. + direct control of water level.

### **6-Steps to Safer Digging**

Friday 10:00 - 10:50 a.m. / CILB #0612729 / WPS 1hr

Brian Dean, Sunshine 811

The instructor will give attendees an awareness of the requirements of Ch. 556, F.S. The Underground Damage Prevention and Safety Act. This understanding allows attendees to dig safer by notifying Sunshine 811, verifying positive response, and digging carefully.

### **Solar Heater, Design, and Application**

Friday 10:00 - 10:50 a.m. / CILB #0613223 / GEN 1hr

Dan Sizelove, Aquatherm

Your customer shouldn't have to decide between the shock of a cold pool or the shock of an expensive heating bill. Learn how energy-efficient solar and heat pumps can give the luxury of a heated pool at a fraction of the cost. The course covers system sizing, design (including hydraulics), install, maintenance, and troubleshooting.



## Build / Repair (continued)

### **Watershape University: CON 1956: Understanding Alkali Silica Reaction**

PENDING CILB APPROVAL

Friday 10:00 - 11:50 a.m.

Paolo Benedetti, Watershape University

Alkali Silica Reaction (ASR), often referred to as "Concrete Cancer," destroys cementitious structures from within by way of a complex set of runaway chemical reactions. Builders who do not understand ASR and fail to take preventative measures become exposed to catastrophic project failures. The good news is that ASR can be reliably prevented by applying basic knowledge and proven methods. This course defines ASR in layman's terms and covers prevention from both the technical and business perspectives.



### **Basic Pool Equipment Troubleshooting and Repairs**

Friday 10:00 - 11:50 a.m. / CILB #0614369 GEN 2hr

Rick Howard, Rick's Pool Service

Understand and identify common issues with various types of pool equipment. Repair techniques will be shared to quickly expedite repairs, and identify safety issues and potential resolutions.



### **Swimming Pool & Spa Basic Electrical Requirements**

Friday 10:00 - 11:50 a.m. / CILB #0612739 / PEC 2hr

David Pruette, David Pruette's Electrical Services  
An explanation of the rules of the National Electric Code (NEC) Ch. 680 and the Florida Building Code (FBC) Ch. 27 as related to electrical requirements for pools. An explanation of rules, terms, and applications. Discussion of changes to governing codes as they apply to Florida installations.

### **DBPR CILB Laws and Rules**

Friday 11:00-11:50 a.m. / CILB #0609216 / L&R 1hr

Don Cesarone Jr., Lucas Lagoons

There is no excuse for non-compliance when it comes to Florida construction laws and rules. This class offers an overview of the regulations that govern the swimming pool industry. Develop a clear understanding of Ch. 489, Florida Statutes and Ch. 61G4, Florida Administrative Code.

### **FBC Advanced Module: 2020 Pool/Spa Energy**

Friday 12:00-12:50 p.m. / CILB #0612971 / ADV 1hr

Donald Cesarone Jr., Lucas Lagoons

Understand energy conservation, regulatory requirements, and the pool professional's responsibility to provide products which comply with energy efficiency standards.

### **FBC Advanced Module ANSI-15 and ANSI-7**

Saturday 8:30-10:20 a.m. / CILB #0610378 / ADV 2hr

Donald Cesarone Jr., Lucas Lagoons

See differences in requirements, concept and specific goals of ANSI-15 design standard and ANSI-7 conformance standard. Illustrates real energy savings to consumers and marketing benefits for builders from compliance. Discuss and illustrate calculating Total Dynamic Head (TDH) and determine system flow for compliance. See methods of affirming compliance with building officials and methods of verifying flow to assure compliance with ANSI-7 Suction Entrapment Avoidance Standard.

### **Alternative Dispute Resolution**

Saturday 8:30-10:20 a.m. / CILB #007785 / BSP 2hr

Albert Underwood, My Aqua Blue

Learn how to effectively utilize alternative dispute resolution procedures 1. to reduce legal disputes and expedite settlements and 2. to bring about a higher level of consumer satisfaction.

### **Understanding Basic Hydraulics**

Saturday 8:30-9:20 a.m. / CILB #0611489 / GEN 1hr

Michael Childress, Pentair

Understand the effects that various factors have on the flow of water.

### **Selecting, Operating and Maintaining Recreational Water Features**

Saturday 8:30-9:20 a.m. / CILB #0614062 / GEN 1hr

Alex Fletcher, AquaWorx, Inc.

Learn the benefits and challenges of different types of water features including splash pads, water slides, interactive water play sets, and lazy rivers. Covers all the necessary requirements to operate such water features, including filtration and safety. Learn about the appropriate upkeep and be able to determine when a new water feature needs to replace an existing structure.

### **Your Worst Plumbing Nightmares and Expert Solutions**

Saturday 8:30-9:20 a.m. / CILB #0613708 / GEN 1hr

Rick Howard, Rick's Pool Service

Look into the swimming pool professionals' plumbing nightmares and plumbing solutions. Discussion will include modern age plumbing repair and flow upgrades.

### **Can I Do That? Swimming Pool License Scope and Limitations**

Saturday 8:30-9:20 a.m. / CILB #0613681 / L&R 1hr

Dallas Thiesen, Florida Swimming Pool Association  
Learn the scope of work and limitations based on the license held. Look at the differences in scope of work for all Florida Swimming Pool occupational licenses. Learn to identify whether or not a given task is within your authorized scope of work.

**Swimming Pool & Spa Basic Electrical Requirements**

Saturday 9:30-11:20 a.m. / CILB #0612739 / PEC 2hr  
Michael Childress, Pentair

Teaches contractors how to understand an electrical circuit, size wire, use a meter, and practice electrical safety.

**Florida Construction Lien Law**

Saturday 10:30-11:20 a.m. / CILB #0610228 /BSP 2hr  
Donald Cesarone Jr., Lucas Lagoons

Anyone involved in construction is urged to learn about this law in enough detail to protect his or her interests. Failure to understand the steps that must be taken to ensure compliance with this law, protect one's ability to be paid, or avoid liability can result in substantial financial loss or licensure disciplinary action. This law is Ch. 713, part I, Florida Statutes, and may be located at [www.flsenate.gov/statutes](http://www.flsenate.gov/statutes).

**Watershape University: CON 3251: Pier and Beam Construction**

PENDING CILB APPROVAL

Saturday 10:30 a.m.-12:20 p.m.

Paolo Benedetti, Watershape University



Look at multiple projects using pier and beam foundations to support watershapes on hillsides or poor soils. These projects are not part of Watershape University's Construction 4112: Essential Advanced Watershapes - Residential course - instead, we take a totally different approach with these project profiles because every project has different considerations, issues to solve, and surprises that will challenge any builder's expected means and methods. Identify site and programming parameters that demand a need for a pier and beam.

**What Happens if I Do That?**

Thursday, 11-11:50 a.m. / CILB #0613778 / L&R 1hr  
Dallas Thiesen, Florida Swimming Pool Association

This course covers the prohibitions and penalties of Ch. 489, the role of code enforcement officers, enforcement of prohibitions and the role of the licensing board. Learn the process of issuing of citations and hearings that may follow.

**An In-Depth Look at Swimming Pool/Spa Heating**

Thursday 1:00-2:50 p.m. / CILB #0613186  
GEN 2hr

Rocco Russo, Fluidra

Learn how to avoid costly liability issues, how to size a heater according to btu demand and other factors, and identify varying combustion and ignition styles and properly apply replacement heaters to existing installations.

**Web-Based Automation and Voice Commands**

Thursday 3:00-4:50 p.m. CILB #0614041 / GEN 2hr  
Rocco Russo, Fluidra

Understand the procedure to connect automation to homeowner networks. Attendees will see how Alexa and Siri command integration is possible.

**(SPANISH) Web-Based Automation and Voice Commands**



Thursday 3:00-4:50 p.m. / CILB #0614041 /GEN 2hr  
Rudy Castro, Fluidra

Attendees will understand the procedure to connect automation to homeowner networks. Attendees will see how Alexa and Siri command integration is possible.

**PARTY MARDI WITH FSPA!**

**Welcome Reception & Awards Ceremony**  
at the Everything Under the Sun Expo

Thursday, February 23 at 6:30PM  
3NINE at Rosen Plaza Hotel  
9700 International Blvd.

Sponsored by:  
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RSVP by Feb. 17 to Valerie Swika:  
941-952-9293 | [Valerie@Florida.PoolPro.com](mailto:Valerie@Florida.PoolPro.com)

# Maintenance / Cleaning

FPSA d/b/a Florida Swimming Pool Association CILB Providership #0000917

## Web Based Automation and Voice Commands

Thursday 3:00-4:50 p.m. / CILB #0614041 / GEN 2hr  
Rocco Russo, Fluidra

Attendees will understand the procedure to connect automation to homeowner networks. Attendees will see how Alexa and Siri command integration is possible.

## (SPANISH) Web Based Automation and Voice Commands

Thursday 3:00-4:50 p.m. / CILB #0614041 / GEN 2hr  
Rudy Castro, Fluidra

Attendees will understand the procedure to connect automation to homeowner networks. Attendees will see how Alexa and Siri command integration is possible.

## Saline Chloration - Making Chlorine Out of Recycled Pool Water

Friday 8:00-9:50 a.m. / CILB #0010595 / GEN 2hr  
Robbie Hayduk, Commercial Energy Specialists

Understand the history, technical and treatment information, benefits, cost comparison, usage and an overall knowledge on saline chlorination systems for pools and spas.

## Proper Swimming Pool Inspections with Leak Detection

Friday 8:00-9:50 a.m. / CILB #0614033 / GEN 2hr  
Darren Merlob, LeakTronics

A swimming pool inspection isn't complete without a thorough leak detection. Understand how to deliver comprehensive details on the entire pool environment, from safety to functionality, and how to provide a complete leak detection, ensuring the customer that a pool isn't leaking, or address the specifics of where and why their pool is leaking with pinpoint accuracy.

## Water Testing and Treatment Myths - Exposed

Friday 8:00-9:50 a.m. / CILB #0613714 / GEN 2hr  
Jody O'Grady & Rachel Rutter, Taylor Water Technologies

An interactive seminar that presents and discusses the most commonly held myths and errors concerning testing for pool/spa water. Learn how to recognize and overcome these misrepresentations, resulting in increased credibility and optimum customer service.

## Chemistry for the New Pool and Other Advanced Chemistry Issues

Friday 10:00-10:50 a.m. / CILB # 614356 / GEN 2hr  
Joe Sweazy, Orenda Technologies

The chemistry of new water matters. Get expert advice on LSI-based start-up chemistry that will have a lasting impact on surfaces and equipment. Understanding this critical stage of chemistry provides a great foundation for maintaining a beautiful, problem-free pool.

## Pool Chlorine Mysteries: Chlorine's Annoying Disappearing Act: How to Fix it and Increase Profits

Friday 10:00-11:50 a.m. / CILB #0614034 / GEN 2hr  
Rick Coffey, Lo-Chlor, LLC

Chlorine is the crucial disinfectant in nearly all pools. But chlorine leaves pools through a variety of mechanisms placing high demand on chlorine supplies. This course identifies and qualifies avenues of chlorine loss and provides practical solutions to minimize losses.

## Salt Chlorine Generators for Beginners

Friday 11:00-11:50 a.m. / CILB #0614031 / GEN 1hr  
Sean Assam, AquaCal AutoPilot, Inc.

This is an introduction of salt chlorine generation for those who have not had much exposure to salt systems. Students are encouraged to bring questions and interact with the instructor to understand the basics of salt chlorination. With the supply side issues and price increases, salt chlorination is again becoming a viable option to traditional chlorine products.

## (SPANISH) Chemistry for the New Pool and Other Advanced Chemistry Issues

Friday 11:00-11:50 a.m. / CILB #0614356 / GEN 2hr  
Miguel Chavez, Orenda Technologies

The chemistry of new water matters. Get expert advice on LSI-based start-up chemistry that will have a lasting impact on surfaces and equipment. Understanding this critical stage of chemistry also provides a great foundation for maintaining a beautiful, problem-free pool.

## Intermediate Pool Water Chemistry and Troubleshooting

Saturday 8:30-10:20 a.m. / CILB #0613191 / GEN 2hr  
Jody O'Grady & Rachel Rutter, Taylor Water Technologies

A more in-depth seminar on the various parameters involved with proper chemistry and water balance in pools and spas. Topics include water balance, sanitation/oxidation, treatment applications, testing techniques, and more. Designed for those with a basic knowledge and understand of pool/spa water chemistry.

## The VGBA Standard Changed: What Your Company Needs to Know


Saturday 9:30-11:20 a.m. / CILB #0614061 / GEN 2hr  
Steve Barnes, AquaStar Pool Products

Federal Law changed May 24, 2021, impacting existing public pools and all new pools. Changes to the ANSI/APSP/ICC-16 Drain Cover Standard provided additional options and much more installation detail, while eliminating two untested 'best practices' common in Florida. The APSP-16 Standard Writing Committee Chairman will detail what has changed and how pool professionals can maintain compliance with pools they build, service or inspect.

*\*Courses, dates, times and instructors may be subject to change. Visit [www.UnderTheSunExpo.com](http://www.UnderTheSunExpo.com) for the most current information.*

**CYA Smart: A Movement Toward Better, Healthier Water**   
 Saturday 9:30-10:20 a.m. / CILB #0614361 / GEN 1hr  
 Steve Berens, Clear Comfort

In this health-conscious era, pool professionals are starting to treat water - not chemicals. Traditional formulas required heavy chlorine use and subsequent cyanuric acid, but chlorine shortages led the industry to question these methods. Uncover techniques and sanitizing methods that successful professionals have used in chlorine shortages and beyond.

**PHTA/GENESIS: Job Costing for Profit vs. Existence**   
 Saturday 10:30 a.m.-12:20 p.m.  
 PENDING CILB APPROVAL / 2hr  
 Brian Van Bower, GENESIS/PHTA


An in-person course that explores how to increase your skills and reputation through better business planning, improved performance, customer communication and service, improved reputation and profitability.

**Exploring ORP**  
 Saturday 10:30 a.m.-12:20 p.m. / CILB #0614066  
 GEN 2hr  
 Brad Manning, AquaCal AutoPilot, Inc.


This course will explain what ORP means, and will review current applications for both commercial and residential pools and spas.

**Recreational Water Balance 101**  
 Saturday 10:30-12:20 p.m. / CILB #0614037 /  
 Meets: GEN 2hr  
 Jody O'Grady & Rachel Rutter, Taylor Water Technologies

Participants will learn the basics of water balance, how some chemical additions affect water chemistry, and how environmental factors affect water chemistry.

**PHTA/GENESIS: C212: Pool Surfaces - Problems and Solutions: Profiles - An Interactive PowerPoint and Discussion to Help Identify, Prevent and Mediate Pool Surface Irregularities**   
 Saturday 11:30 a.m.-1:20 pm.  
 PENDING CILB APPROVAL / 2hr

Speaker: Randy Dukes, GENESIS/PHTA  
 Uncover the idiosyncrasies of curing cementitious surfaces, the importance of a thorough substrate preparation, sound technical practices for a hand troweled, cementitious surfaces and procedures for extended surface life. Learn the approved start-up procedure as specified by the National Plasters' Council and the importance of frequent, consistent and accurate water testing with commonly used sanitizers.

**PHTA/GENESIS: E345 - Understanding PHTA Standards and Codes**   
 Saturday 11:30 a.m.-1:20 p.m.  
 PENDING CILB APPROVAL / 2hr  
 Terry Brannon, GENESIS/PHTA

Students in this course examine the PHTA standards for swimming pool design and construction and how these standards originate and eventually make their way to being referenced by codes and local ordinances. The 16 standards promulgated by PHTA are summarized and the more important standards are discussed in more detail. The definition of standard and differentiation from actual codes or ordinances are both thoroughly treated in this course. Also highlighted are upcoming changes to the standards. The integration of the standards with other codes such as the International Code Council's International Swimming Pool and Spa Code are discussed.

## LP Gas (Fees Apply)

**LP Gas Master Qualifier**  
 Manufacturer Endorsed Program  
 \$590 (FSPA members pay \$440)  
 Course #202125 / Lunch is included  
 Meets No CILB CE / LP Gas CE is earned  
 Wednesday 8:00 a.m.-5:00 p.m.  
 Instructor Jason Nokk, Gas Training Services  
 This course covers LP gas safety and the installation, maintenance, service, and repair of LP gas systems and appliances with special considerations for swimming pool related products and systems. This class is manufacturer endorsed. The Certificate of Completion awarded at the completion of this course may be used to apply for the LP Gas Master Qualifier Certification with the Florida Department of Agriculture, Consumer Services Division.


**Florida Laws, Rules, and Regulations**  
 \$250 (FSPA members pay \$200)  
 Course #3030303  
 Meets No CILB CE / LP Gas CE is earned  
 Thursday 8:00 a.m.-11:50 a.m.  
 Instructor Jason Nokk, Gas Training Services  
 Four hours of LP Gas Continuing Education. Earn CE credit for your LP Gas license renewal. Course will cover F.S. Chapter 527, specific rules governing the service and installation of Propane and Natural Gas appliances and systems. Chapter 5J-20 Liquefied Petroleum Gas Inspection.

*No DBPR/CILB CE will be issued for LP Gas courses. The vendor company, Gas Training Services, and the course have been approved by the Florida Department of Agriculture and Consumer Services for continuing education credit for LP Gas License holders.*

# Management

FPSA d/b/a Florida Swimming Pool Association CILB Providership #0000917

## Could this happen to you?

Thursday 10:00-10:50 a.m. / CILB #0614357 / BSP 1hr  
David Griffiths, Insurance by Ken Brown 

This course will make business owners aware of the ramifications of business decisions which can lead to potentially catastrophic incidents and accidents.

## Florida Worker's Compensation Laws and Requirements

Thursday 1:00-1:50 p.m. / CILB #0613189 / WC 2hr  
David Griffiths, Insurance by Ken Brown

Analyze employer/employee relationships and the course and scope of employment. Learn the benefits and payables available to injured workers and how they are administered. Understand methods available to implement premium cost reductions and to reduce the cost of individual claims.

## Florida Worker's Compensation Laws and Requirements


Friday 10:00-11:50 a.m. / CILB #0613189 / WC 2hr  
David Griffiths, Insurance by Ken Brown

Analyze employer/employee relationships and the course and scope of employment. Learn the benefits and payables available to injured workers and how they are administered. Understand methods available to implement premium cost reductions and to reduce the cost of individual claims.

## (SPANISH) Watershape University: BUS 1341: Design Fees - Billing for Professional Services


PENDING CILB APPROVAL

Friday 10:00-10:50 a.m.

Joan Roca, Watershape University 

Free estimates are a thing of the past. The pool professional should be paid for their experience and education, be it classroom or field work. Overcome the fear that charging for design and estimates may lose the job to a competitor. Think of your efforts as any other professional that charges for their services and time.

## How to Generate Better Leads Online

Friday 10:00-11:50 a.m. / NO CE CREDIT / 2hr  
Bruce Porter, Swat Marketing 

This course will show you how to setup your online assets to capture leads. Learn all current lead generation methods to capture leads and provide a good user experience to your audience.

## Boom-to-Boost: Get Your Business Ready for Post-Pandemic Growth

Friday 11:00-11:50 a.m. / CILB #0614360 / GEN 1hr  
Steve Berens, Clear Comfort 

The pandemic led to the pool and spa industry's largest boom, but nothing lasts forever. How will today's top industry professionals go from boom-to-boost, instead of boom-to-bust? We'll explore the tools, knowledge, and examples that service, retail and builders need to leverage the pandemic bubble and create permanent businesses growth.

## Workplace Safety

Friday 8:00-8:50 a.m. / CILB #0614355 / WPS 1hr  
Dori Gallagher, AquaCal AutoPilot, Inc. 


Learn instructions for the pool and spa industry on chemical hazard communication, checking the label for key information, reading a Safety Data Sheet (SDS), how to store hazardous materials and corrosives.

## Preparing Your Business to Live Without You

Friday 9:00-9:50 a.m. / PENDING CILB APPROVAL  
Gary Crayton, Pool Troopers 


This course will enhance the knowledge around preparing a business to operate for the time when the principal decides to retire or sell the business so it can continue past their involvement.

## Formalized Fleet Safety

Saturday 10:30-11:20 a.m. / CILB #0614363 / WPS 1hr  
Sean Yakicic, Amerisure 

The purpose of this presentation is to help business owners with fleets of vehicles understand what a comprehensive fleet safety program entails.

## Enhancing Your Digital Footprint

Saturday 8:30-10:20 a.m. / NO CE CREDIT / 2hr  
Bruce Porter, Swat Marketing 

Enhancing your digital footprint will show you how to set up your online presence for success. It will address the user experience, Google best practices, local listings, search engine optimization best practices, email marketing.

## Stop Guessing and Start Understanding What Drives the Buying Habits of Today's Home Pool Owners

Saturday 8:30-9:20 a.m. / CILB #0612821 / GEN 1hr  
Steve Berens, Clear Comfort

Stop guessing and start understanding what drives the buying habits of today's home pool owners. Gain insights from the field and discover upcoming market trends. This session will identify the training, selling and marketing opportunities your business is missing out on and the habits of today's successful pool professional.

**Driver Screening & the Importance of MVR Policies**

Saturday 8:30-9:20 a.m. / CILB #0614064 / GEN 1hr  
Sean Yakicic, Amerisure

Business owners with fleets of vehicles will understand the importance of implementing and maintaining a robust driver screening process as a risk management technique.

**Cost Saving Methods for Business Insurance**

Saturday 9:30-10:20 a.m. / CILB #0614032 / GEN 1hr  
David Griffiths, Insurance by Ken Brown

A discussion of the most unusual exposures to loss for the swimming pool industry, how insurance addresses those losses and ways to reduce those insurance costs.

**The Importance of Incident Investigations**

Saturday 9:30-10:20 a.m. / CILB #0614065 / GEN 1hr  
Sean Yakicic, Amerisure

The purpose of the presentation is to help business owners understand how to, and why it is important, to perform thorough incident investigations.

**Effective Communication Techniques**

Saturday 9:30-11:20 a.m.  
PENDING CILB APPROVAL 2hr

Laura Castanza, Team Horner Group

Communication is the foundation to ALL relationships, for better or worse. Learn to effectively communicate using 5 critical communication skills to improve your professional and personal relationships.

GEN = General BP = Business Practice WC = Workers' Compensation WPS = Workplace Safety  
PEC = Pool Electrical ADV = Advanced Module L&R = Laws & Rules  
**Florida Pool & Spa Association d/b/a Florida Swimming Pool Association CILB Providership #0000917**

**Florida Construction Lien Law**

Saturday 10:30-11:20 a.m. / CILB #0610228 / BSP 2hr  
Donald Cesarone Jr., Lucas Lagoons

Anyone involved in construction is urged to learn about lien law in enough detail to protect their interests. Failure to understand the steps that must be taken to ensure compliance with this law, protect one's ability to be paid, or avoid liability can result in substantial financial loss or licensure disciplinary action. This law is Chapter 713, Part I, Florida Statutes, and may be located at [www.flsenate.gov/statutes](http://www.flsenate.gov/statutes).

**An Overview of Florida's Construction Lien Law**

Saturday 11:30-12:20 p.m.

PENDING CILB APPROVAL

Jim Dickson, Adam and Reese LLP

This course offers an understanding of Florida construction liens and bonds. For contractors, subcontractors, laborers, and professional lienors within the construction industry, Lien Law provides security for payments in for services rendered. This course dives into the balancing of rights and how to follow specific procedures outlined in Chapter 713, Florida Statutes.

**Dealing with Dirt Problems: Sources of Risk in the Construction Industry and Issues that Should be Addressed in the Construction Contract to Reduce Risk**

Saturday 12:30-1:20 p.m.

PENDING CILB APPROVAL

Jim Dickson, Adam and Reese LLP

Disputes over contract duties are the most common source of conflict within the construction industry. Learn the many sources of potential risks and events of a dispute, how to address such allocation of risk by express written terms, and methods of dispute resolution. Taking this course may prevent a future dispute from becoming a costly, contentious litigation.

**Educación Español**

**(SPANISH) Web Based Automation and Voice Commands**

Thursday 3:00-4:50 p.m. / CILB #0614041 / GEN 2hr  
Rudy Castro, Fluidra

Attendees will understand the procedure to connect automation to homeowner networks. Attendees will see how Alexa and Siri command integration is possible.

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Friday 10:00-10:50 a.m. / PENDING CILB APPROVAL  
Joan Roca, Watershape University

Free estimates are a thing of the past. Pool pros should be paid for their experience and education, be it classroom or field work. Overcome the fear that charging for design and estimates may lose the job to a competitor. Think of your efforts as any other professional who charges for their services and time.

**(SPANISH) VSPs and the DOE**

Friday 8:00-9:50 a.m. / CILB #0614042 / GEN 2hr  
Rudy Castro, Fluidra

An explanation of pump efficiency regulations and VSP benefits. The instructor will demonstrate VSP programming for efficiency and turnover.

**SPANISH) Chemistry for the New Pool and Other Advanced Chemistry Issues**

Friday 11:00-11:50 a.m. / CILB #0614356 / GEN 2hr  
Miguel Chavez, Orenda Technologies

Una piscina que se acaba de construir o acaba de ser remodelada es una cosa delicada. Hay que tener mucho cuidado a la hora de llenarla ya que cada vez que se ponen cemento y agua en contacto será una batalla por los materiales y la piscina en su etapa temprana puede perder mucho material. Hacer un arranque o startup de piscina adecuado es la mejor manera para garantizar la calidad de su piscina en el futuro. En esta clase cubriremos el startup a profundidad, la química detrás de este y problemas que se pueden presentar.