



2013 ASPE  
TECHNICAL  
SYMPOSIUM

**OFFICIAL PLANNING GUIDE**

**SEPTEMBER 19-22, 2013**

**ORLANDO, FLORIDA**

**[WWW.ASPE.ORG/2013TECH](http://WWW.ASPE.ORG/2013TECH)**

The ASPE Technical Symposium only happens once every two years. Don't miss your chance to learn new design skills and network with the best in the business.

**LOOK INSIDE TO START PLANNING NOW!**

**[REGISTER AT ASPE.ORG/2013TECH](http://REGISTER AT ASPE.ORG/2013TECH)**

Produced by the American Society of Plumbing Engineers (ASPE)  
Note: Schedule is subject to change.  
All events are at the Buena Vista Palace Hotel in Orlando, Florida unless otherwise specified.





**THE BENEFITS OF ATTENDING**

The ASPE Technical Symposium is the plumbing engineering industry’s premier professional development event. If you want to learn about the latest advances in plumbing system technology, share problems and solutions with experts in the industry, and gain the skills you need to excel in your career, you cannot afford to miss the 2013 ASPE Technical Symposium. It offers customized education for plumbing engineers and designers at all career levels.

**2013 ASPE TECHNICAL SYMPOSIUM EDUCATION PROGRAM**

The cornerstone of the ASPE Technical Symposium is its 2½ days of in-depth technical education and professional development sessions. This year’s program consists of five tracks from which you can pick and choose sessions to design a personalized, unique educational experience.

**2013 ASPE TECHNICAL SYMPOSIUM EDUCATION SESSIONS**

PLUMBING SYSTEM DESIGN 101	SUSTAINABLE DESIGN	HEALTHCARE DESIGN	ADVANCED PLUMBING DESIGN	BIM (BUILDING INFORMATION MODELING)
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**FRIDAY, SEPTEMBER 20**

9 A.M. – NOON	» Sanitary Waste & Vents / Storm Drainage	» Graywater Recovery & Reuse	» Intermediate Medical Gas Design	» High-Rise Design: Hot Water Recirculation & General Pumping Practices	» BIM Standards
2:30 – 5:30 P.M.	» Water Heater Sizing	» LEED Building Calculations	» Advanced Medical Gas Design	» The Business Case for Wastewater Recycling	» BIM Beginner Class*

**SATURDAY, SEPTEMBER 21**

9 A.M. – NOON	» Natural Gas Piping Design	» Rainwater Harvesting	» Fuel Oil Handling Systems	» Commissioning of Plumbing Systems	» Building Revit Families
2:15 – 5:15 P.M.	» Emergency Plumbing Fixtures	» Solar Water Heating	» Guidelines & Designs for Healthcare Facilities	» Siphonic Roof Drainage	» BIM Advanced Class*

**SUNDAY, SEPTEMBER 22**

9 A.M. – NOON	» Needs Analysis for High Purity Water System Design	» Green Codes Panel Discussion	» Sanitary Hospitals	» Fire Sprinkler Shop Drawing & Hydraulic Calculations	» BIM Advanced Class*
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\*Pre-registration is required; classes limited to 25 attendees. Attendees must bring their own laptop to participate in these classes.

**EARLY BIRD RATES**

REGISTER BY AUGUST 19 TO RECEIVE THE EARLY BIRD RATE!

ASPE Member Early Bird Rate: \$545  
 Nonmember Early Bird Rate: \$795

**SPECIAL MEMBERSHIP DEAL FOR NONMEMBERS**

Pay just \$695 for a full registration to the 2013 ASPE Technical Symposium PLUS a one-year membership in ASPE! (Membership application must be included with registration.)

REGISTER AT [ASPE.ORG/2013TECHREG](http://ASPE.ORG/2013TECHREG)

**AT THE 2013 ASPE TECHNICAL SYMPOSIUM YOU CAN:**

- » Identify what design methods you need to enhance your skill set
- » Discover innovative ideas to take back to the office
- » Find out what industry segments will be hot in the next year
- » Pick the brains of experts working in the field
- » Earn continuing education credits for your licenses and certifications
- » Grow your knowledge and your career

**EARN UP TO 15 HOURS OF CREDIT!**

If you attend the entire 2013 ASPE Technical Symposium, you can earn 15 professional development hours (1.5 CEUs) for your certifications and licenses.

ASPE is recognized as an approved provider and sponsor of CEUs and PDHs throughout all 50 states for registrations and licensing requirements. Specifically, ASPE is approved as a Continuing Education Sponsor in the states of New York, New Jersey, Indiana, Louisiana, North Carolina, and Florida. It is ultimately your responsibility to make sure that you are in compliance with your state’s rules and guidelines.

**NEW!**

**GREEN PLUMBING DESIGN WORKSHOP**  
SEPTEMBER 18-19



ASPE and the International Association of Plumbing & Mechanical Officials (IAPMO) are offering the Green Plumbing Design (GPD) workshop

before the 2013 ASPE Technical Symposium. This certificate program is designed to help you learn the skills necessary to design systems that conserve and protect water supplies and reduce energy consumption in the delivery and use of water.

During this two-day workshop, you will learn about:

- » Commercial and residential plumbing conservation measures
- » Solar-heated water system design and installation
- » Water- and energy-efficient technologies and products
- » System sizing calculations

An 85-question exam will test your knowledge of the information that was presented during the workshop. Successfully passing the exam will provide you with the honor of using the GPD designation.

If you register for both the 2013 ASPE Technical Symposium and the Green Plumbing Design workshop, you will receive 25% off the workshop registration fee!

**LEARN MORE AT [ASPE.ORG/GPDWORKSHOP](http://ASPE.ORG/GPDWORKSHOP)**

**SPECIAL CPD EVENTS**

**TAKE THE CPD EXAM TO BECOME A CPD SUNDAY, SEPTEMBER 22, NOON-4 P.M.**

ASPE is offering the Certified in Plumbing Design (CPD) exam after the 2013 ASPE Technical Symposium. As the only international certification program in the plumbing engineering field, the CPD recognizes professionals with advanced skills in plumbing system design and specification.

If you register for both the 2013 ASPE Technical Symposium and the September 22 CPD exam, you will receive 25% off the exam registration fee!

**LEARN MORE AT [ASPE.ORG/CPDCERTIFICATION](http://ASPE.ORG/CPDCERTIFICATION)**

**ALREADY A CPD? JOIN YOUR COLLEAGUES AT THE CPD BREAKFAST SUNDAY, SEPTEMBER 22, 7:30 A.M.**



This special breakfast will honor those who have achieved and maintained their CPD designation, helping preserve the integrity of the program while enhancing the status of plumbing engineering as a unique discipline. If you are a CPD and are attending the 2013 Technical Symposium, please join us at this event. A ticket will be provided in your registration packet.

**2013 TECHNICAL SYMPOSIUM PRODUCT SHOW**



**THURSDAY, SEPTEMBER 19, 5-8 P.M.**

The 2013 ASPE Technical Symposium Product Show is the perfect way to kick off your 2013 ASPE Technical Symposium experience. It offers a unique opportunity to get one-on-one face time with the manufacturers that make the products you specify and the organizations that are sponsoring initiatives to promote the plumbing engineering industry. Join your peers, grab a drink, and get a bite to eat at this engaging event! The list of exhibitors will grow as more sponsors sign up for the show. Visit [aspe.org/2013techproductshow](http://aspe.org/2013techproductshow) often to see who will be participating.

**Exhibitors:\*** American Backflow Prevention Association, Armstrong International, ASSE International, Bradley Corp., Charlotte Pipe and Foundry, Copper Development Association, Get the Lead Out Coalition, GF Piping Systems, International Association of Plumbing & Mechanical Officials, MIFAB, Moen Inc., NIBCO, NITC (National Inspection Testing and Certification), Patterson Pump, Plumbing-Heating-Cooling Contractors Association, SureSeal Manufacturing, TMB Publishing, UPONOR, Viega

\*as of 6/10/13

**ROUNDTABLE NETWORKING LUNCH**  
FRIDAY, SEPTEMBER 20, 12:15-2:30 P.M.

Join your peers at the Roundtable Networking Lunch, available only to attendees of the 2013 ASPE Technical Symposium. This unique forum gives you a special opportunity to debate current issues, share design solutions, ask questions, and get answers to your challenges. Moderators will host each table and get the discussion rolling, but you can voice your opinions, ask questions, debate ideas, or just sit back and listen. It's the ideal opportunity to network with and learn from plumbing industry professionals from all over the country!



## SPONSORS

### ASPE THANKS THE FOLLOWING SPONSORS OF THE 2013 ASPE TECHNICAL SYMPOSIUM

#### PLATINUM

Copper  
Development  
Association

#### SILVER

Bradley Corp.  
GF Piping Systems  
MIFAB

#### GOLD

Armstrong  
International  
Charlotte Pipe  
SureSeal  
Manufacturing

Moen Inc.  
NIBCO  
NITC (National  
Inspection Testing  
and Certification)  
Patterson Pump  
UPONOR  
Viega

#### FRIEND

Sloan Valve

\*as of 6/10/13

## TRAVEL

### TRAVEL DISCOUNTS

ASPE has arranged some special deals to help you get to the 2013 ASPE Technical Symposium.



If you are flying, you can get 5% off your ticket on American Airlines using code 2593BK. Go to [aa.com](http://aa.com) or call 800-433-1790 to purchase your ticket.



If you are driving, Avis group discount number G028680 will get you the best available rate, including unlimited mileage. Just call 800-525-7537 x35003 to reserve your rental car.

Visit [aspe.org/2013techtravel](http://aspe.org/2013techtravel) to learn more about these special deals.

## BUENA VISTA PALACE HOTEL

### SPECIAL ROOM RATE

**\$119/NIGHT SINGLE OR DOUBLE**

The 2013 ASPE Technical Symposium will be held at the Buena Vista Palace Hotel, which is located on the Walt Disney World Resort.

ASPE has arranged a special rate of \$119/night for a single or double standard room for 2013 ASPE Technical Symposium attendees, which includes:

- » Wired and wireless in-room high-speed Internet
- » 24-hour cyber cafe
- » Unlimited self-parking
- » Pool ambassador offering personalized pool amenities and services
- » Daily membership to the fitness center and spa
- » In-room coffee and tea
- » Bus transportation daily to Disney theme parks; nightly transportation to Downtown Disney Marketplace and Pleasure Island (beginning at 6 p.m.)

To secure your discounted rate, make your reservation by August 23. After that date, the special ASPE rate will not be available.

Go to [aspe.org/2013techhotel](http://aspe.org/2013techhotel) to reserve your room today.



### BRING THE FAMILY

The 2013 ASPE Technical Symposium offers a unique opportunity to combine professional development and career advancement with a family vacation. The Buena Vista Palace Hotel is located on the Walt Disney World Resort, which includes Magic Kingdom, Epcot, Disney's Animal Kingdom, Disney's Hollywood Studios, Typhoon Lagoon, Blizzard Beach, ESPN Wide World of Sports Complex, Downtown Disney Marketplace, and more.

### SPECIAL WALT DISNEY WORLD RESORT OFFER FOR ATTENDEES

All attendees to the 2013 ASPE Technical Symposium will have the opportunity to purchase specially priced tickets to Walt Disney World Resort theme parks for themselves and their families. Visit [aspe.org/2013techtravel](http://aspe.org/2013techtravel) for more information. (You must be a registered attendee of the 2013 ASPE Technical Symposium to take advantage of this special offer.)

## DISNEY LAUNDRY FACILITY TOUR

**FRIDAY, SEPTEMBER 20, 5:30–7:30 P.M.**

Have you ever wondered how a facility as large as the Walt Disney World Resort cleans the thousands of pounds of linens, uniforms, and other materials used each day? ASPE is offering an exciting new technical education opportunity at the 2013 ASPE Technical Symposium: a tour of the Disney Laundry Facility on Friday evening. (The tour does not conflict with other technical sessions.) Shuttle services to and from the Disney Laundry Facility will be provided, and space is limited to 50 attendees so don't forget to sign up when you register at [aspe.org/2013techreg](http://aspe.org/2013techreg). (Tour is an additional \$15 nonrefundable fee, so please register only if you are certain you will attend.)