

100 DRURY LANE, OAKBROOK TERRACE, IL 60181  
**20TH MARCH | 2020**



# PHCC+ASPE CHICAGO PRODUCT EXPO 2020

## ASPE CLASS SCHEDULE

9:00 - 9:50 - NFPA 13 CODE UPDATES - JERRY SCHULTZ  
10:00 - 10:50 - PUMP EFFICIENCY STANDARDS - DOE REQUIREMENT - CHRIS WISINSKI  
11:00 - 11:50 - AUTOMATIC SWITCHING MEDICAL GAS MANIFOLDS - JAY D'AGOSTINO  
12:00 - 12:50 - MISSED FIELD ITEMS AND YOUR LIABILITY - JULIUS BALLANCO

## GENERAL EVENT SCHEDULE

9:00 - 12:50 CEU SEMINARS  
12:00 - 5:00 PRODUCT SHOW/EXPO  
11:30 - 3:00 LUNCH AVAILABLE (CASH PURCHASE)  
5:00 - ? FREE BUFFET DINNER AND PRIZES

## ASPE CLASS DESCRIPTIONS

**NFPA 13 CODE UPDATES (9AM)** : The 2019 edition of NFPA 13 resulted in the biggest reorganization to the standard that most of us will ever see. This course will discuss that reorganization and help one in understanding and using the new document. In addition, discussion will address some of the significant technical changes that occurred and provide an understanding of why these changes were accepted by the committee. With NFPA 13 being on a 3 year rewrite, the document is currently under revision for the 2022 edition of the standard which is scheduled to be approved at the June 2021 NFPA meeting. Discussion will be held on several of the proposed changes in the newest edition of the standard.

**PUMP EFFICIENCY STANDARDS – DOE REQUIREMENTS (10AM)** : The US Department of Energy has updated efficiency standards and rating for many centrifugal pumps this year. They have created a new Pump Efficiency Index (PEI) labeling system. This course goes through the new regulations and how it assists in pump selection and most importantly, efficiency and power consumption. We will further explore plans for pumps not covered in the standards and show how all of this affects our plumbing equipment.

**AUTOMATIC SWITCHING MEDICAL GAS MANIFOLDS (11AM)** : This course will review when to use a gas or liquid manifold in medical gas systems. Topics of discussion will include:

- Liquid and Liquid Containers ~ how they work.
- Building a Liquid Manifold.
- The Economics of Liquid.
- Conversion Pitfalls.

**MISSED FIELD ITEMS AND YOU LIABILITY (12PM)** : Field checking of the plumbing engineering design is an important part of building construction. The engineer in the field is responsible for determining that the installation complies with the construction documents. Sometime value engineering gets in the way of the design from the engineer-of-record. What liability do you have when performing field inspections? What can be done to reduce the liability to you and your firm? This program will review the requirements for field checking, as well as, dealing with field changes. Various failure analysis of missed field checks will be discussed including their implications to the engineer. All the field changes and field failure occurred in the Chicago area with resulting consequences. Find out the best way to protect yourself and avoid missed items.

**JERRY  
SCHULTZ**

FPI CONSORTIUM, INC.

**CHRIS  
WISINSKI**

BORNQUIST INC.

**JAY  
D'AGOSTINO**

ATLAS COPCO

**JULIUS  
BALLANCO**

J B ENGINEERING &  
CODE CONSULTANTS