



## 3 PDH Credits Save the Date

Chapter Meeting  
November 15, 2017

**Location:**  
**Mechanical Heating Supply, inc**  
**476 Timpson Place**  
**Bronx, NY 10455**

Parking in lot across the street

**12:00 – 12:30 PM** Arrival and Lunch  
**12:30 – 1:00 PM** Hydronics Presentation  
**1:00 – 3:00 PM** IAQ Presentation  
**3:00 – 3:30** Tour of Warehouse

**3 PDH approved**  
**Complimentary Admission**

**Lunch provided by:**  
**ASHRAE Bi-State Chapter**  
**Walk-ins and General Public Welcomed**  
**Space is limited and RSVP'ed are a must.**

### Hydronics Presentation – Boiler Performance Optimization

Even with a focus on condensing boilers, the selection is not as simple as it sounds. With over thirty companies providing some type of condensing boiler it is important to understand the differences in design and performance. We will cover the different types of condensing boiler and examine the pros and cons of various designs. We will explain the truths about efficiency and how simply selecting a high-efficiency boiler may not equate to performance improvements. We will look at all around system performance and how to achieve higher total system efficiency through the use of modern control technology and equipment selection, resulting in lower upfront cost with no compromise on efficiency, resulting in faster payback on your investment.

**Frank Rivera, Jr., P.E., LEED AP** is currently the president of ASHRAE NY for the 2017-2018 year. He is a mechanical engineer for Thermal Systems Associates, a manufacturer's representative in New York, NY where he provides design, product knowledge and technical analysis in the HVAC industry. Frank has been an active member at the chapter and society level though past roles as the Publicity, Grassroots Government, Programs Chair as well as Regional YEA Coordinator for Region 1.

### IAQ Presentation – Indoor Air Quality in Residential Buildings

One of ASHRAE's focus points for the 2017-2018 year, we will be covering the basics for indoor air quality in residential buildings, an area that has been largely overlooked for many projects as a cost saving measure. The key is to design HVAC and other system to work together to effectively ventilate and minimize sources of indoor pollution. Houses adhering to guidance from ASHRAE for home ventilation will generally result in increased indoor air quality and decreased health problems compared to those that do not. Standard covered will be ASHRAE 62.2, 62.1 and 188-2015 Legionellosis: Risk Management for Building Water Systems.

**Stephanie O'Dea** is currently President Elect for the ASHRAE bi-State Chapter, along with a few other titles. She has a degree in Architectural Engineering where she studied under Josephine Lau, one of the top researchers and contributors in Indoor Air Quality for ASHRAE and other global standards. During her schooling, she worked with Alegeant Healthcare Systems monitoring air quality and HVAC systems at Mercy Hospital in Council Bluffs Iowa. She works as a sales engineer for Thermal Systems Associates.

**Coming Month:** December 11<sup>th</sup> – ASHRAE Bi-State Christmas Party at Bull and Barrel in Brewster, NY.

See for more information or call Brendan Smith @ 914 741-1290

RSVP to [bsmith@lynstaar.com](mailto:bsmith@lynstaar.com)

**YEA Meeting to Follow – Join us at the Bronx Brewery immediately following the ASHRAE meeting to talk with fellow engineers. Contact Joe Russo For information**

