



MAKE YOUR [RESERVATION](#) TODAY FOR

**Monday, February 10<sup>th</sup> 2014**  
4:15pm-4:45pm Registration

4:45pm-5:45pm Tech Session

**Noise Controls for Rooftop Units and Noise Barriers for HVAC Equipment - John Paulauskis - JPAcoustics**

There are generally two types of rooftop units in HVAC systems, one that contains only fans and cooling/heating coils for supply and return/exhaust airflow, and a second type that includes compressors for DX coils in addition to the fans. The "indoor" noise control methods for these two rooftop systems is different and requires an understanding of the noise sources and paths to occupied spaces below the rooftop units. This presentation will provide recommendations for the most effective rooftop unit noise controls.

"Outdoor" noise from HVAC equipment located on rooftops and on grade can be attenuated by construction of noise barriers around the equipment. The amount of noise reduction is dependent on the type of noise source, barrier construction details, location and height of the barrier, and the reflective surfaces around the equipment. The effects of these parameters on the amount of barrier noise reduction will be presented.

5:45pm – 7:00pm Dinner and Main Session

**Best Practices; Acoustical Strategies for HVAC Equipment. Kristan (Kris) G. Kollevoll, BRD Noise and Vibration Control, Inc.**

This presentation will provide insight into best practices; Acoustical Strategies for Designs, Specifications, Do's and Don'ts, Chillers, Compressors, Air Intakes, Condensers, Enclosure Treatments, Pumps, Cooling Towers, Roof Curb Mounted AHU, Ductwork, VAV, Vibration Isolation, Silencers, and Diffusers.

**Speakers**

**Kristan (Kris) G. Kollevoll, President, BRD Noise and Vibration Control, Inc.**

Kristan (Kris) G. Kollevoll, is a graduate of Princeton University. Kris started with BRD as a Sales Engineer in 1982 and became Sales Manager and Vice-President in 1988, President in 1994.

**John A. Paulauskis – Sole proprietor - JPAcoustics acoustical consulting firm.**

**SUMMARY OF QUALIFICATIONS;** Two years sole proprietor of JPAcoustics consulting firm. Ten years acoustical engineer and MEPFP project manager for laboratories, healthcare facilities, schools, and industrial manufacturing plants. Twenty years of acoustical engineering for hospitals, medical offices, hotels, and banks. Three years part time faculty instructor in architectural acoustics. Two years acoustical consulting project manager. Seven years governmental noise control regional manager. Four years aircraft structural design engineer. B.S. Aeronautical Engineering, University of Illinois.

Complete biographies are available online at <http://ashrae-stl.org>

**Location**  
**SPAZIO WESTPORT**

Spazio Westport  
12031 Lackland Road  
Maryland Heights, MO 63146

**Chapter Members Cost \$0.00\***

\* when chapter dues paid

**Non-Members Cost \$25.00**

Cash, Check, Debit, or Credit Cards Accepted. Payment is required for attendance.

**RESERVATIONS**

*Everyone must register even if you have paid local dues.*

ONLINE: Click on hyperlink below or copy this into your browser:

<http://ashrae-stl.org/registration/>

Please make sure that you fill in all the information requested. press submit, verify information and then select "confirm". If you do not receive an email, you are not registered.

PHONE: Must be called into [314-925-4818](tel:314-925-4818), no later than noon, Thursday, February 6th, 2014. This is a voice mail extension. This number is in operation 24 hours a day.

CANCELLATION: You may cancel up to 8:00am on Monday before the meeting. If not canceled by this point you will be responsible for the meeting / meal cost of \$25.

PDH CERTIFICATES: Will be emailed to all attendees registered with a valid E-mail address.