



ASA, Upper Midwest Chapter

MEETING ANNOUNCEMENT

Date: Tuesday, March 18, 2007
Time: Social at 5:30, Dinner at 6:30, Program at 7:30
Dinner: Farmers Market Salad, Baked Minnesota Walleye with Almonds, Apple Pie
Meal Cost: \$30 (\$15 for full-time students)
Program: Dan Kato will present "Generator Sound Transmission Through Windows – A Tale of Two Buildings" with discussion afterward.
Location: Avalon Room (3rd floor) Holiday Inn Metrodome, 1500 Washington Av. S. Minneapolis

Reservations to Dave Braslau by Friday, March 14 (david@braslau.com or 612-331-4571)

Generator Sound Transmission Through Windows - A Tale of Two Buildings

Diesel engine powered generator sets are in part, tonal sound sources. These generator sets, when used for backup or peak shaving electrical power in office buildings, can sometimes create tones that cause annoying background noise enhanced by building responses, even when the generator sets are installed external to the building and fully treated with enclosures, high quality exhaust mufflers, air inlet and outlet ducts and resilient mounting systems. This talk presents two case histories of generator sets creating annoying tones in office buildings, resulting from sound transmission through windows. Discussion will follow concerning sound transmission through walls and windows in general.

Daniel Kato is the Global Acoustic Strategist for Cummins Power Generation located in Fridley MN. His responsibilities include developing improved processes for noise modeling, measurement and reduction of noise from consumer and commercial generator sets, writing engineering design procedures and managing research projects with consultants and universities. Mr. Kato has a BS in mathematics and an MS in Mechanical Engineering both from Rose-Hulman Institute of Technology. He is also INCE Board Certified and is a registered Professional Engineer in the State of Minnesota.

Note: UMCASA is seeking a vice president for 2008-2009. Please email Ryan Sieler if interested.

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