



American Society of Heating Refrigeration and Air Conditioning Engineers
Minnesota Chapter - Rochester Section
December 2018 ASHRAE Meeting Notice

Subject: Sensible Cooling with Integrated Outside Air

Date: Tuesday, December 18th, 2018

Speaker: Charles Jelen, Trane Commercial North America

Speaker Biography:

Charles Jelen is an Application Engineer based out of La Crosse, WI. He is primarily responsible for pre-sale support of Trane Systems and System Concepts. His areas of expertise are in Chilled Water Systems, Refrigerants, and System Modeling. Charles has been with Trane for 8 years and has held roles as TRACE 700 Product Manager, Centrifugal and Water-Cooled Product Support Engineer, and CDS (Customer Direct Service) Support Engineer. Prior to joining Trane Charles worked as a sales engineer for a process automation company out of Minneapolis, MN. He is currently involved with ASHRAE at the local level serving on the board of governors. Charles has a bachelor's degree in Mechanical Engineering from the University of Minnesota, and he lives with his family in La Crosse, WI.

Presentation:

This presentation will provide a system level overview of Sensible Cooling Terminal units, Dedicated Outside Air units, and the potential chiller plant configurations that feed those components. As buildings are designed for lower energy use, the resulting reduction in cooling loads presents an economically feasible opportunity for systems that use zone-level, sensible-only cooling equipment. These systems combine a dedicated outdoor air system with chilled-water, sensible-cooling terminals to deliver a flexible, energy efficient solution to provide comfortable spaces and simplify maintenance.

Agenda:

Social:	11:20am - 11:30am
Lunch:	11:30am - 11:50am
Business Meeting:	11:50am - 12:00pm
Presentation:	12:00pm - 12:50pm

Location:

DoubleTree Hotel
150 South Broadway
Rochester, MN 55904
Ph: 507/281-8000

Parking:

First St Parking Ramp
(Directly East of the DoubleTree Hotel)

Cost

\$20.00 per person

* **Note:** when a member does not RSVP by the listed RSVP date and time, meal availability cannot be guaranteed due to contract requirements with our meeting facility.

Please RSVP By 12:00 PM, Thursday, December 13th, 2018 at mnashrae.org

For questions with the online registration please contact Katy-Jo Grandahl, katyjo@tmsj.com.