

**AGENDA
ASHRAE MTG.ACR
AIR CHANGE RATE
FALL MEETING 2020-2021
WEB/CONFERENCE CALL**

**October 30, 2020
11:00 AM to 1:00 PM EDT
Estimated Duration: 2 hours**

Meeting Links & Call-in Numbers:

Web Meeting Link:

<https://us02web.zoom.us/j/83582190477?pwd=T3lYRGRZeElzRDl4TzZoN054amtJZz09>

MAIN MEETING:

The ASHRAE Code of Ethics is to be adhered to by those doing ASHRAE business whether or not they are an ASHRAE member.

“Commitment to the ASHRAE Code of Ethics – In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)”

- A. CALL TO ORDER & INTRODUCTIONS (Kishor)
- B. ADDITIONS AND/OR CHANGES TO THE AGENDA (Kishor)
- C. APPROVAL OF MINUTES (Roland) – NA
- D. Role of ACH in Current Pandemic – Discussion
 - a. Why airflow rates are specified as ACH by several organizations?
 - b. What is the responsibility of MTG.ACR?
- E. Upcoming Winter Meeting in Chicago
 - a. Program
 - Debate: Is Air Change per Hour (h-1), cfm/ft², or Something Else?
James Bennett, Joe Zulovich, Travis English, Dan Koenigshofe
 - Session – MTG.ACR Co-sponsor
Movement and Control of Airborne Pathogens with HVAC Systems.
 - b. Need a Chair for Program Subcommittee
 - c. Suggestions for Annual meeting
- F. Research Update
 - a. RP 1833 - Literature Review for Evidence of the Basis for Specified Air Change Rates (ACR) for Cleanrooms, Laboratories, laboratory animal facilities, and health care facilities with medium to high ACR. Work In Progress (Phil and Roger)
 - b. Internal Research Project – ACH and Space Volume (Tom, Cliff, Kishor)
 - Two ASHRAE conference papers are presented by Kishor
 - Possibility of a Journal article.

G. New Research Projects

Group I (Roland, Yusuf, Kishor)

- Investigate relationships between specified airflow rates and associated safety and risk for people and products.
- Evaluate a correlation between the strength and location of contaminant sources and airflow rates to obtain the desired levels of contamination control.
- Develop an in-depth understanding of relationship between ACR and various (ventilation) effectiveness definitions.
- Evaluate the impact of HVAC configuration including airflow distribution, flow path of contaminants, and locations and type of supply and return devices on ventilation effectiveness.

Group II (Jim and Ken)

- Quantitatively correlate concentration of contaminants with various measures of ventilation. Determine which measures correlate best, and the modeling assumptions necessary to support use of a variable as a design criterion.

H. Presentation by Travis English

“Ventilation Effectiveness as measured by the decay of contaminants”

I. Update from Members

J. OLD BUSINESS

K. NEW BUSINESS

L. ADJURN