AGENDA
ASHRAE MTG.ACR
AIR CHANGE RATE
FALL MEETING 2021-2022
WEB/CONFERENCE CALL

October 1, 2021
2:00 PM to 4:00 PM EDT
Estimated Duration: 2 hours

Meeting Links & Call-in Numbers:
Web Meeting Link:
https://us02web.zoom.us/j/85330129349?pwd=dnlCeWtrdmZMY0JDTVRjUk52VWMzQT09

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. Program Update (James Bennett, 10 min)
- Winter Meeting 2022: Las Vegas
  - Forum: Will High ACH Reduce The Spread of Airborne Contaminants
    Chair: Roland
  - Seminar Session: Transmission of Aerosols in Dental Treatment Rooms
    Kishor will present: CFD Analysis of Aerosol Transmission and Probability of Infection in a Dental Treatment Room
  - Kishor Presentation: Paper Session: CPS 13:
    Computational Fluid Dynamics (CFD) Analysis of Ultraviolet Germicidal (UV-C) to Control the Probability of Infection Due to Transmission of Airborne Pathogens
- Plan for 2022 Annual Meeting, Toronto
- Other: MTG Seminar (?)

E. MTG.ACR White Paper Discussion (30 min)
   a. Goal
   b. Members
   c. Outline
   d. Next steps

F. Research Update
- New Research Project (30 min)
  RTAR 1936: Evaluating the impact of ACH on ventilation effectiveness for indoor spaces
  Objectives:
  - Perform literature survey on latest research covering air change effectiveness, age of air studies, and ventilation effectiveness.
  - Identify the space type application that shall be the basis of the work. Establish the detailed indoor space used for experimental and CFD analysis-Q1
  - Perform Baseline experiments to determine VE for a conventional design

configuration of supply, exhaust, space interior, and source variables (Q2-Q3)
    - Validate space and baseline values using CFD-Q4
    - Thoroughly explore variables using CFD to determine VE-Q5
    - Repeat subset of CFD trials as validation experiments (Q6-Q7)
    - Prepare final report -Q8
- 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, Roger, Fred) (30 min)

G. Update from Members
- ANSI/AIHA/ASSP Z9.5-2012 Laboratory Ventilation Update (Jim Coogan and Tom Smith, 20 mins)
- Presentation by Tom Smith (20 min)
- Other updates

H. OLD BUSINESS

I. NEW BUSINESS

J. ADJURN