

Agenda
Feb 16, 2022
1:00 - 4:30 p.m. (ET)

Webinar registration: <https://register.gotowebinar.com/register/7421498299016882443>

Audio/Phone (toll free): Note: Audio for this webinar is through the phone only (No VOIP).

For audio, participants call toll-free (833) 804-3387 and provide the operator with the conference ID: 9252369 when prompted.

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****This meeting will be held virtual only.**

Laureen Burton EPA/IED – meeting moderator

I. Welcome, Introductions and Announcements

II. IAQ Area of Interest Presentation(s)

Topic:

Evaluation of Airborne Pathogen Transport and Exposure Risks of SARS-CoV-2 in the Built Environment

This presentation summarizes work conducted by a National Laboratory consortium that evaluates processes and systems within the built environment that impact the risk of airborne disease transmission, informing risk-based assessments of controls for classrooms, transit vehicles, and other shared, enclosed spaces of priority for a return to new normal operations. Investigation of environmental drivers that impact emissions, dispersion, transport, fate, and human exposure to airborne pathogens at varied scales in controlled environments will inform prioritization of administrative and engineering controls (e.g., physical distancing, face masks, occupant density in buildings and transit compartments, ventilation, and filtration) for individual and group exposure reduction.

Presenter:



Clifford K. Ho, PhD, Sandia National Laboratories

<http://www.epa.gov/indoor-air-quality-iaq/federal-interagency-committee-indoor-air-quality>

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Dr. Cliff Ho is a Fellow of the American Society of Mechanical Engineers and Senior Scientist at Sandia National Laboratories, where he has worked since 1993 on problems involving solar energy, energy storage, water safety and sustainability, heat- and mass-transfer processes in porous media, microchemical sensor systems for environmental monitoring, and airborne pathogen transport modeling. Dr. Ho has authored over 300 scientific papers, holds 18 patents, and is author and co-editor of two books. He received an Outstanding Professor Award at the University of New Mexico in 1997, and he received the national Asian American Engineer of the Year Award in 2010. Dr. Ho received an R&D 100 Award in 2013 for his development of the Solar Glare Hazard Analysis Tool, and an R&D 100 Award in 2016 for the development of the Falling Particle Receiver for Concentrating Solar Energy. In 2008, he won Discover magazine's "The Future of Energy in Two-Minutes-or Less" video contest.

III. Updates on IAQ & IEQ activities from Federal CIAQ Member Agencies

1. DOE-Department of Energy - *Chris Early*
2. CDC – Center for Disease Control – *Ginger Chew (NCEH)/
Ju-Hyeong Park (NIOSH)*
3. NIST – National Institute of Science and Technology – *Lisa Ng*
4. EPA-Environmental Protection Agency – *David Rowson*

Q&A, (DOE, CDC, NIST and EPA updates)

IV. Announcements and Adjournment [Note: the meeting may end earlier than 4:30p.m.]

Next meeting scheduled for June 2022

<http://www.epa.gov/indoor-air-quality-iaq/federal-interagency-committee-indoor-air-quality>

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