

Agenda
November 12, 2020
1:00 - 4:30 p.m. (ET)

Webinar registration: <https://attendee.gotowebinar.com/register/232797808015061776>

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 4490228 when prompted. For international callers, international call-in numbers will be available day of event by request through webinar connection.

**This meeting will be held virtual only.

Laureen Burton EPA/IED – meeting moderator

I. Welcome, introductions and announcements

II. Updates on IAQ & IEQ activities from Federal CIAQ Member Agencies (invited)

1. DOE-Department of Energy
2. CDC – Center for Disease Control
3. NIST-National Institute of Standards and Technology

Q&A (DOE, CDC and/or NIST updates)

4. CPSC – Consumer Product Safety Commission
5. HUD- Department of Housing and Urban Development
6. EPA-Environmental Protection Agency

Q&A (CPSC, HUD and/or EPA updates)

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

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III. Member Agency Spotlight – EPA/DOE-LBNL Interagency Agreement

A. Topic:

Wildfire Smoke Adjustment Factors for Low-Cost and Professional PM_{2.5} Monitors with Optical Sensors

Presenter:



Brett C Singer, PhD, Indoor Environment Group, Lawrence Berkeley National Laboratory

Dr. Singer is a Staff Scientist and Principal Investigator (PI) in the Energy Technologies Area of Lawrence Berkeley National Laboratory. Dr. Singer is the Leader of the Indoor Environment Group and co-leader of Indoor Air Quality research in the Residential Building Systems Group. His research aims to understand the real-world processes and systems that affect air pollutant exposures. His guiding professional motivation is to provide the scientific basis to inform energy and environmental policy. Dr Singer earned his Ph.D. in Civil & Environmental Engineering from the University of California, Berkeley.

Dr. Singer will be discussing a study which determined the adjustment needed for three professional and four low-cost monitors to accurately measure wildfire smoke based on measurements inside a well-ventilated lab impacted by the Camp Fire in California. We also determined the adjustment needed for PurpleAir PA-II monitors based on comparison of 53 monitors nearby to 12 nearby regulatory monitoring stations impacted by smoke from three fire events.

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B. Topic:

How residential energy efficiency retrofits influence indoor air quality, comfort, and health: A review of empirical data

Presenter:



Wanyu Rengie Chan, Ph.D., Indoor Environment Group, Lawrence Berkeley National Laboratory

Dr Chan is the Deputy Co-Head of the Sustainable Energy Environmental Systems Department. Her research interests include indoor air quality, building ventilation, and energy efficiency in residential and commercial buildings. Her research aims to generate knowledge to enable high performance, net zero energy use buildings that provide healthy and productive indoor environments. She led field studies to characterize indoor contaminant sources and evaluate energy efficient technologies to control occupant exposures. Dr. Chan earned her Ph.D. in Environmental Engineering from the University of California, Berkeley.

Dr Chan will be discussing the review of data from 36 studies to determine the influence of home energy efficiency retrofits on indoor environmental quality (IEQ) parameters, thermal comfort, and self-reported health. There is a tendency for most subjective health outcomes to improve after retrofits, but the general trend of improvements in health is not explained by the measured changes in air pollutant concentrations.

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IV. IAQ Area of Interest Presentation

Topic:

International Standard to Measure Performance of Air Cleaners

Presenter:



John Park, Association of Home Appliance Manufacturers (AHAM)

John Park is a Sr. Product Regulatory & Standards Engineer at the Association of Home Appliance Manufacturers (AHAM), responsible for assisting and participating in government rulemakings, and developing test procedures as well as performance, energy and safety standards regarding household portable air cleaners, and kitchen appliances including cooktops, ovens, range hoods, and dishwashers. Mr. Park has bachelor's degrees in mechanical engineering and electronics engineering from Handong Global University in South Korea, and in aerospace engineering from The George Washington University (GWU). He also holds M.S. degree in Systems Engineering from GWU.

V. Announcements and Adjournment

[Note: the meeting may end earlier than 4:30p.m.]

Next meeting scheduled for February, 2021.

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