

Agenda
June 26, 2024
1:00 - 4:30 p.m. (ET)

****This meeting will be held virtual only. Webinar registration:** - <https://register.gotowebinar.com/register/6944118956929747550>

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I. Welcome, Announcements and Introductions

Meeting moderator, Laureen Burton EPA/IED

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

NOTE: Please feel free to enter any questions for our Agency Presenters into the chat at any time during updates.

1. DOE - Department of Energy - *Chris Early*
2. NIST - National Institute of Standards and Technology – *Lisa Ng*
3. CDC - Center for Disease Control and Prevention (NCEH and NIOSH) –
Ju-Hyeong Park (NIOSH)

Q&A (DOE, NIST and CDC)

4. HUD - Department of Housing and Urban Development – *invited*
5. EPA - Environmental Protection Agency – *David Rowson*

Q&A (HUD and EPA)

III. IAQ Area of Interest Presentation

NOTE: Please feel free to enter any questions for our Area of Interest presenters into the chat at any time during updates.

Topic:

Air Pollutant Exposure Concentrations from Cooking a Meal with a Gas or Induction Cooktop and the Effectiveness of Two Recirculating Range Hoods with Filters

The first goal of this study was to compare pollutants resulting from cooking a meal with induction or gas when using the same cookware and cooking procedures. The second goal was to conduct a pilot evaluation of two recirculating range hoods with air cleaning technologies. A meal of pasta, plant-based meat sauce and stir-fried broccoli was cooked three times for each cooktop and hood (or no hood) in a 158 m³ room and air pollutants were measured over 30 min of cooking and for 30 additional min.

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

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Presenters:



Brett Singer, Ph.D., Senior Scientist, Lawrence Berkeley National Laboratory

Dr. Singer is a Senior Scientist and Head of the Sustainable Energy and Environmental Systems Department within the Energy Technologies Area of Lawrence Berkeley National Laboratory. Brett earned a B.S. in Mechanical Engineering from Temple University and M.S. and Ph.D. degrees in Civil & Environmental Engineering from the University of California, Berkeley. In 2016, he was inducted into the Academy of Fellows of the International Society of Indoor Air Quality and Climate. Dr. Singer leads research on the sources, physical-chemical processes that mediate transport and fate, and controls that affect air pollutant exposure in indoor environments. Major themes of his work are strategies to achieve synergistic improvements in indoor environmental quality when designing or retrofitting buildings to mitigate climate impacts, the myriad of ways that human behavior impacts IEQ and pollutant exposures and including robustness as a key performance metric. His guiding professional motivation is to provide unbiased science to inform energy and environmental policy.



Jiayu Li, Ph.D., Postdoctoral Researcher, Center for the Built Environment, University of California, Berkeley

Dr. Li is a Postdoctoral Scholar at the Center for the Built Environment (CBE) at the University of California, Berkeley. His research focuses on indoor air quality and airflow in built environments. At CBE, he works on various projects related to indoor air quality and field studies in commercial kitchens with Lawrence Berkeley National Laboratory. Before joining CBE, he was a principal research officer at the National Environment Agency in Singapore, focusing on studying determinants of airborne transmission diseases. He was a postdoctoral scholar in the SinBerBEST program, studying indoor and outdoor bioaerosol and aerosol dynamics, the impact of fans on infectious aerosol transmission, and alternative cooling systems for tropics such as radiant cooling and elevated air movements. He received the SinBerBEST Outstanding Project Achievement Award and the Outstanding Young Scientist Award in 2021. He received his Ph.D. from Tianjin University and was joint educated at RWTH Aachen University, Germany and CSIRO, Australia.

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

Next meeting is scheduled for October 2024.

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

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