



# Air Infiltration and Ventilation Centre Webinar

## Recent Standards and Guidelines on CO<sub>2</sub> Application and Interpretation



March 17, 2025

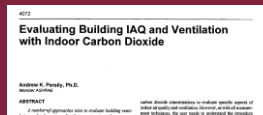


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### Webinar motivation and objectives

#### CO<sub>2</sub> part of ventilation & IAQ discussions since 1600s

- Impacts on occupants
- Bioeffluent odor perception
- Ventilation rate estimation
- Ventilation control



#### Misapplication and misinterpretation of CO<sub>2</sub> for decades

**More recently:** more interest, more measurement, more confusion

**Standards and guidance have been developed to clarify**

**Webinar focused on standards and guidance**

**Sensor performance will be addressed in a future webinar**

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## Agenda (CET)

16:00 | Welcome & Introduction, Andrew Persily (NIST, USA)



16:05 | Background on the application of indoor CO<sub>2</sub>: ASHRAE Position Document and ASTM Standard D6245, Andrew Persily

16:25 | Demand controlled ventilation in ISO 17772-1 (EN 16798-1) and ASHRAE Standard 62.1, Bjarne Olesen (Technical University of Denmark)



16:45 | Indoor CO<sub>2</sub> values in guidelines and standards, Mark Mendell (Lawrence Berkeley National Laboratory, USA)



17:05 | ISO 16000-26, Sampling strategy indoor CO<sub>2</sub> and a review of sensing technology, John Saffell (NosmoTech Ltd., UK)



17:30 | End of Webinar