

LET'S CLEAR THE AIR

a NAPHN Symposium

Ventilation,
High Performance
& Passive House

2 – 5:30 PM EST
Wednesday
March 10, 2021

www.naphnetwork.org



- **Where:** Online
- **When:** 2 – 5:30 PM EST, Wednesday, March 10, 2021
- **Cost:** \$10 General Admission, Free for NAPHN Members

[Register Today](#)

Building Ventilation Symposium Overview

In designing and building high-performance buildings, building ventilation is often an underappreciated component. The pandemic has made the health implications of good ventilation more obvious but the energy impact remains largely obscured.

Yet when we target radical whole-building energy efficiency, ventilation energy impacts become significant and obvious. The Passive House Institute has helped lead the effort to advance ventilation testing, protocols and certification of components to ensure that high-quality ventilation is a core solution of high-performance building outcomes.

Why does the Passive House methodology demand [certain testing](#) and how did we get here? What's next? What are the implications for whole building systems design and long-term performance?

This symposium tackles these questions, providing a common frame of reference, greater clarity and shared understanding, in the pursuit of growing high-performance building and Passive House markets.

As carbon emissions goals tighten, efficiency demands grow, and Passive House performance levels are normalized, this focus on building ventilation performance is an opportunity for the ventilation industry around the world and in the US. If component testing outputs can provide Passive House modeling data inputs, and products can meet Passive House targets, there is an emerging high-performance global market that can be served to the benefit of everyone.

Session 1

2 – 3:30 PM EST

What Do We Know & How Do We Know It? Matching Unit Testing Data to Desired Outcomes: A Passive House Journey

Hear the story of the evolution of Passive House ventilation criteria and component testing from a scientist at the center of its development. Get the specifics and the logic. How did we get here and what's next.

Then, in a panel discussion with US and PHI experts, hear about testing today and what might come next, and join the discussion by asking questions online.

- Rainer Pfluger
- Berthold Kaufmann
- Charles Stephens
- Mike Moore, Moderator

Session 2

3:45 – 5:30 PM EST

Passive House Performance Strategies: Delivering the Promise of High-Quality Indoor Air

Knowing the ventilation unit will perform well is not enough, of course. So in this session get an overview of the fundamental considerations and strategies for Passive House ventilation systems design.

Find out the interplay of humidity, enclosure, climate and health. When is dehumidification needed and how do we approach it.

How do you maintain high-quality indoor air and know it. What controls are standard, what should be considered. How can data collection help.

- Lois Arena
- Enrico Bonilauri
- Josephine Zurica
- Berthold Kaufmann
- Andrew Peel, Moderator