



FALL VIRTUAL CONFERENCE

S2.5: Keeping Confined Spaces Healthy During a Pandemic

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ABSTRACT

Air quality and its impact on our health and on our environment has never been in as high of a public focus as it has during this past year.

During the COVID-19 pandemic, especially since there is a strong indication that the SARS-CoV2 virus can spread via aerosols through the air, we have all learned that we can no longer ignore the fact that air filtration is, and will continue to remain one of the most crucial development areas that we as a global society can put our joint efforts and investments into.

Relatively speaking, the means needed to purify air do not need to be significant, but they do need to be selected with care. The understanding for the underlying science and the technology for air filtration already exist at a mature stage. We also know that a purification system has to be designed and ultimately equipped with filters that have been selected to provide optimal air purification for the specific space the unit will serve.

But what happens in the case where a system is already in place and it was designed to support a set of parameters which changed, sometimes drastically, after the implementation of the system?

In this presentation, we will discuss the filtration of air and air quality in confined spaces, using cruise ships as an example, while keeping the recent historical changes due to the COVID-19 pandemic in mind.