

New standards, guidelines or regulations for ventilation due to COVID-19

Professor Bjarne W. Olesen, Ph.D., Dr.h.c., R.1.
International Centre for Indoor Environment and Energy
DTU.SUSTAIN
Technical University of Denmark

12 February 2024

1

Introduction

- During 2020-2022 the whole world was impacted by the COVID-19 pandemic.
- A group of scientist convinced WHO of the importance of ventilation
- Several organizations working with ventilation and the indoor environment have been active in leading research and distributing information
- The present webinar includes presentations of new guidelines, standards, or regulations from North America, Europe and Asia.
- This webinar is organized with the support of the Air Infiltration and Ventilation Centre and facilitated by INIVE..

12 February 2024

2

2



AGENDA

- 15:00 | Welcome & Introduction, Bjarne W. Olesen (Prof. at ICIEE, Technical University of Denmark)
- ASHRAE standard 241-2023 Control of Infectious Aerosols, William P. Bahnfleth (Prof. of Architectural Engineering, the Pennsylvania State University, **USA**) -
- Revision of European standard EN 16798-1: Ventilation and air cleaning in reducing airborne transmission, Jarek Kurnitski (REHVA Technology and Research Committee, **EU**)
- India task force on Covid guidelines, Jyotirmay Mathur (Prof. in Mechanical Engineering and Centre for Energy and Environment, MNIT Jaipur, **INDIA**)
- An overview of the revision of Singapore Standards (SS553 and SS554) for control of infectious aerosols in buildings, Chandra Sekhar (Prof. Department of the Built Environment College of Design and Engineering, National University of **Singapore**, SG)
- A new system adopted by Tokyo to address the threat of infectious diseases, Shin-Ichi Tanabe (Prof., Ph.D Department of Architecture, Waseda University, **JAPAN**) -
- Questions and answers - 25 min
- 16:30 | End of the webinar