

# **AIVC April Workshop**



Arnold Janssens – Chair of AIVC COVID-19 Working Group

## Series of four webinars

- Organised in collaboration with IEA-EBC Annex 86 'Energy efficient IAQ management'
- April 1, Building ventilation: How does it affect SARS-CoV-2 transmission?
- April 8, IAQ and ventilation Metrics
- April 13, Big data, IAQ and ventilation -part 1
- April 21, Big data, IAQ and ventilation -part 2

Register at www.aivc.org

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# AVZ Introduction: context of the webinar

- Scientific consensus that airborne transmission by aerosols plays important role in spreading COVID-19 in indoor spaces
- Many organisations are working on this topic and have produced guidelines: REHVA, ASHRAE, CIBSE, IEQ-GA, ...
- AIVC-project 'Ventilation, airtightness and COVID-19': collect, discuss and disseminate information about COVID-19 in relation to ventilation and airtightness
  - Newsletters
  - Webinars
  - FAQ's





# Building ventilation: How does it affect SARS-CoV-2 transmission?

webinar 2021.04.01

### **Objectives:**

- To address mitigating role of building ventilation in spread of pandemic,
- To discuss how ventilation affects exposure to infectious aerosols, based on knowledge developed in modelling, experiments and system design.
  - 17:00 | Introduction, Arnold Janssens chair of AIVC WG COVID-19, Ghent University, Belgium
  - 17:10 | The Role of Building Ventilation in Indoor Infectious Aerosol Exposure, *Andrew Persily NIST, USA*
  - 17:25 | Modelling uncertainty in the relative risk of exposure to the SARS-CoV-2 virus by airborne aerosol transmission, *Cath Noakes University of Leeds, UK*
  - 17:40 | Questions and Answers
  - 17:50 | Field measurements of aerosol exposure in indoor environments, *Roberto Traversari TNO,*Netherlands
  - 18:05 | Ventilation system design and the risk areas for spreading airborne contaminants in office buildings, *Alireza Afshari Aalborg University, Denmark*
  - 18:20 | Questions and Answers
  - 18:30 | Closing & End of webinar



# Building ventilation: How does it affect SARS-CoV-2 transmission? speakers

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Andrew Persily NIST, USA



Cath Noakes, University of Leeds, UK



Roberto Traversari, TNO, the Netherlands



Alireza Afshari, Aalborg University, Denmark

### Webinar management







Valérie Leprince (INIVE, BE)

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# webinar

2020.04.01

## How to ask questions during the webinar

Locate the Q&A box

Note: Please DO NOT use the chat box to ask your questions!

Select All Panelists | Type your question | Click on Send





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#### NOTES:

- The webinar will be **recorded and published** at www.aivc.org within a couple of weeks, along with the presentation slides.
- After the end of the webinar you will be redirected to our **post event survey**. Your feedback is valuable so take some minutes of your time ti fill it in.

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