AIVC Workshop Webinar 4
Big data, IAQ and ventilation – part 2

Wednesday April 21st, 2021

09:00-10:30 (Brussels, BE)

08:00-09:30 (London, UK)

15:00-16:30 (Beijing, CN)

16:00-17:30 (Tokyo, JP)

17:00-18:30 (Sydney, AU)

REGISTER NOW

FREE – Participation to the Webinar is free

Registration is required: A link to join the webinar will be included in the email confirmation.

The Air Infiltration and Ventilation Centre (AIVC) in collaboration with IEA EBC Annex 86 are organizing a workshop consisting of a series of four webinars on:

- April 1st, 2021 (17:00-18:30 CET): Building ventilation: How does it affect SARS-CoV-2 transmission? (Register now)
- April 8th, 2021 (09:00-10:30 CET): IAQ and ventilation Metrics (Register now)
- April 13th, 2021 (17:00-18:30 CET): Big data, IAQ and ventilation – part 1 (Register now)
- **April 21st, 2021(09:00-10:30 CET): Big data, IAQ and ventilation – part 2 (Register now)**

In this final webinar of the spring workshop, we continue our dive into the applications of IoT devices and big data in IAQ and ventilation. This time we focus on the new applications they enable in practice. The webinar provides inspiring examples for subtask 5 of the new IEA EBC Annex 86 "energy efficient IAQ management in residential buildings". After a short introduction, the 4 speakers from Foobot, Netatmo, Renson and Retrotec and will introduce how their companies apply IAQ related big data and how they see this can reshape our thinking about ventilation systems. After all this, there is time for discussion and input for future work.

This webinar is organized by the Air Infiltration and Ventilation Centre (https://www.aivc.org/) & the IEA EBC Annex 86 "Energy Efficient Indoor Air Quality Management in Residential Buildings" (https://annex86.iea-ebc.org/). The webinar is facilitated by INIVE (http://www.inive.org/).

Programme (Brussels time)

- 09:00 | Introduction, **Benjamin Hanoune – University of Lille, France**
- 09:10 | Data analytics at Renson: From airflows to dataflows, **Steven Delrue – Renson, Belgium**
- 09:25 | CO_2: A reference point for ventilation standards, **Sandra Chochod & Marcin Mezynski – Netatmo, France**
- 09:40 | Remote Data Logging with Retrotec DM32 SmartGauges and leveraging rCloud, **Ben Walker – Retrotec, USA**
- 09:55 | Using sensors and machine learning to improve HVAC control, **Inouk Bourgon – Foobot, Luxembourg**
- 10:10 | Questions and Answers
- 10:30 | Closing & End of webinar

Cost and registration

Participation to the webinar is free but requires you to register for the event. The webinar will be limited to a maximum of 1000 persons. To register, please click on the "Register now" button above.

What is a webinar?

A webinar is a conference broadcasted on internet. To follow a webinar you must have a computer with a sound card and speakers or headphones. Once logged in the "conference room", you will be able to see the slides of the presentation and to hear the panellists' comments. You will also be able to ask written questions to the speakers, and to answer on-line surveys.

Hardware, software

Our webinars are powered by WebEx Event Center. The only thing you need is a computer with a sound card and speakers. Before you can log in the "conference room", WebEx will install the required application. If you are not a WebEx user, please visit www.webex.com/login/join-meeting-tips to check the system requirements and join a test meeting. Please also join the event at least 15 minutes in advance.

About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre (www.aivc.org) is one of the projects/annexes running under the International Energy Agency's Energy in Buildings and Communities (IEA-EBC) Programme. With the support of its member countries as well as key experts, the AIVC offers industry and research organisations technical support aimed at better understanding the ventilation challenges and optimising energy efficient ventilation.

The AIVC activities are supported by the following countries: Australia, Belgium, Brazil, China, Denmark, France, Greece, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, Sweden, UK and USA.

About EBC Annex 86 - Energy Efficient Indoor Air Quality Management in Residential Buildings

Annex 86 Energy Efficient Indoor Air Quality Management in Residential Buildings (https://annex86.iea-ebc.org/) is an international research project of the IEA Energy in Buildings and Communities (EBC) programme. The goal of this annex is to work in an international collaboration to create an integrated general assessment method to operationalize the air quality approach suggested by IEA EBC Annex 9 to support the development, rating and implementation of innovative and highly energy efficient IAQ management strategies. An IAQ management strategy is understood to be any coherent set of measures by a stakeholder in the building that aims to improve IAQ. Annex 86 aims to improve the energy efficiency of the IAQ management strategies in operation and to improve their acceptability, control, installation quality and long-term reliability.

About INIVE

INIVE EEIG (**I**nternational **N**etwork for **I**nformation on **V**entilation and **E**nergy **P**erformance) was created in 2001 as a so-called European Economic Interest Grouping. The main reason for founding INIVE was to set up a worldwide acting network of excellence in knowledge gathering and dissemination. At present, INIVE has 8 member organisations (BBRI, CETIAT, CSTB, eERG, IBP-Fraunhofer, NKUA, SINTEF, and TNO) (www.inive.org)

INIVE is coordinating and/or facilitating various international projects, e.g. AIVC (www.aivc.org), TightVent Europe (www.tightvent.eu), venticool and Dynastee (www.dynastee.info). INIVE has also coordinated the ASIEPI project dealing with the evaluation of the implementation and impact of the EU Energy Performance of Buildings Directive, the QUALICHeCK project aiming towards improved compliance and quality of the works for better performing buildings, BUILD UP the European portal on Energy Efficiency and the EPBD feasiblity study 19a (https://www.epbd19a.eu/).