Welcome on behalf of AIVC, TightVent, Venticool and IEQ-GA

Arnold Janssens Peter Wouters

Operating Agents AIVC - INIVE







Welcome on behalf of AIVC (1979 - ...)



Energy in Buildings and Communities Programme





























Ireland







United States of America

Republic of Korea

Spain

Italy

Sweden

United Kingdom

Vision and Mission

- The vision of AIVC is to be the world's primary information centre on energy efficient ventilation for good indoor air quality in buildings.
- The **mission** of AIVC is to advance the worldwide knowledge and practice of energy efficient ventilation and air infiltration control of buildings, in close collaboration with other leading organisations.
 - Leveraging international technical expertise on ventilation, infiltration and indoor air quality
 - Facilitating information exchange and advanced web-based dissemination strategies between experts in research, industry and policy making.

Focus fields and projects



Smart Ventilation



Resilient Ventilative Cooling



Building & Ductwork airtightness



Indoor Environmental Quality



AIVC Projects





HOME > EVENTS

Events

The AIVC holds a conference each year in September/October, a workshop in March/April and several webinars, covering a wide range of topics in the field of infiltration and ventilation in buildings. The conferences and workshops take place in one of the AIVC participating countries. Since 1980, the AIVC annual conferences have been an international meeting point for presenting and discussing major developments and results regarding infiltration and ventilation in buildings.

Click on the links below to know more.







Workshops



Webinars

- Annual conferences in collaboration with TightVent and venticool platforms
- **Annual workshops** in collaboration with local hosts on themes of local interest
- **Webinars** presenting results of projects or publications.





43rd AIVC -11th TightVent & 9th venticool Conference

October 4-5, 2023

Aalborg University, Copenhagen, Denmark

Ventilation, IEQ and health in sustainable buildings

Japan and AIVC

AIVZ

- Member country of AIVC since 2006
- AIVC-conference in Japan:
 - 2008, Kyoto, Advanced building ventilation and environmental technology for addressing climate change issues
- Specific dissemination:
 - VIP 25, Trends in the Japanese building ventilation market and drivers for changes (2008)
 - Project 'Energy Recovery Ventilation' (2021-x)

ANNEX 5



V entilation Information P aper n° 25

n° 25 May 2008

AIVC Tech 40 years to

History of t

February 2022

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International Energy Agency Energy Conservation in Buildings and Community Systems Programme

Operating Agent

Boulevard Poincaré 79

/AIVE/

Air Infiltration and Ventilation Centre

Trends in the Japanese building ventilation market and drivers for

change
Takao Sawachi, Dr. Eng., NILIM
Masaki Taiima. Ph.D., NILIM

1 Introduction

The technology in building physics and mechanical engineering for building ventilation may not be totally new area and must have rather long history and much Nowadays, the distance between the engineering field and society looks becoming environmental impact of the buildings and to enhance the indoor environmental quality with cost effectiveness at the same time. The technological solutions by the engineering filed should have been cost effective so far as they can satisfy the contemporary needs, and is still many problems to be solved in the field of building physics and mechanical engineering for building ventilation. In this paper, such re-emerging or new problems, which are being struggled by experts in Japan will be reviewed and introduced. The authors wish that it should be fruitful for experts in different countries to be able to share some of

2 National trends in IAQ requirements and market characteristics

2.1 Requirements on ventilation of dwellings

When buildings are to be built or to be repaired in a large scale, it is mandatory to apply for building confirmation according to the Building Standard Law. Without complying with the law, any buildings can not be built nor repaired in a large scale. As for the building ventilation, there are three kinds of regulations.

Firstly, there is a minimum requirement for the supply of outdoor air for habitable rooms, which can be satisfied either of mechanical ventilation or natural ventilation by window opening. For the mechanical ventilation, a minimum ventilation requirement is set at 10 m/h per person, and for the natural ventilation the minimum ratio of the openings is set at 1/20 of the room floor area.

Secondly, for rooms in which fire is used, the minimum ventilation requirement is set in proportion to the quantity of gas products generated during combustion.

Technology Collaboration Programme

Workshops

This section gives information on workshops organised or supported by the AIVC

Upcoming Workshops

18 May 2023 18-19 May 2023, Workshop, Tokyo, "Towards high quality, low-carbon ventilation in airtight buildings"

Mark your calendars for the upcoming AIVC 2023 Workshop "Towards high quality, low-carbon ventilation in airtight buildings" to be held on 18-19 May, 2023 in Tokyo, Japan! The workshop will take place at Bellesalle Mita (Mita, Minato-ku, Tokyo 108-6301 (Room 1). The workshop theme is "Towards high quality, low-carbon ventilation in airtight buildings". Information on registration, programme, speakers etc. will follow soon, so stay tuned.

Past Workshops

27 Mar 2019 27-28 March 2019, Symposium, Dublin, "Quality ventilation is the key to achieving low energy healthy buildings"

Sustainable Energy Authority of Ireland (SEAI) together with the Air Infiltration and Ventilation Centre (AIVC) organised a symposium entitled " Quality ventilation is the key to achieving low...

23 Mar 2018 23 March 2018, Workshop, Sydney (AU) - Ventilation for Indoor Air Quality and Cooling

Aiming to inform Australian researchers and engineers on recent developments in the field of ventilation technologies, the workshop gave international experts visiting Australia the opportunity to...

2 other related platforms managed by INIVE



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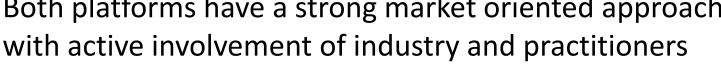
13-15 September 2021 − 43" AlvC & 7" venticool -ASMRAE IAQ joint conference in Achers, Greece

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Authoritages a Matrico, For all aspects of Wiltitracium, miracioni behaser IIII peranten Both platforms have a strong market oriented approach









Please visit our <u>website</u>, follow us on <u>tartler</u> and <u>Linkerlin</u> and <u>subscrite</u> to our monthly newspaper "Energy Efficiency and indoor Climate in Buildings" to find out more about our activities. We wish you a pleasant reading!

5 -6 October 2022 -10th TightVent- 42nd AIVC - 8th venticool conference in Rotterdam, Netherlands

More than ever in the past, chimate change and the transition to carbon neutrality are at stoke that were in the place, include betaling were consistent of Labourh test any are all contains not including these goals, consistent me contains the contains one including to buildings construction and operation, and its potential to be the energy performance. All contains the local part without in our buildings in location the last of among were transmitted to those observed one contains the contains the contains the contains the contains were transmitted these observed one contains the contains the contains the contains were transmitted the containing the conta

In 2022 the Air Infitration and Ventitation Centre organizes its first informational conference since the beginning of the COWID-15 crisis. Therefore, the conference organizes want to pay specific affection to the rive of ventilation and infitration in building decarbonization, and improvement of indoor are quality inclusing epiperims preparedness. How can design, construction and energy-tion processing and organizations.

The conference will consist of 3 parallel sessions largely devoted to:

- Smart ventilation, Indoor Air Quality (IAQ) and health
- Building and ductwork airtightness

he conference will consist of a mixture of well prepared and structured se

In this issue

Proposal for the Re of the EPSD Recordings & Sildes available

More focusing on knowledge generation aspects





BUILDING AND DUCTWORK AIRTIGHTNESS PLATFORM



venticool

IEQ-GA



- Indoor Environmental Quality Global Alliance
 - Interdisciplinary, international working group of societies interested in IEQ, to stimulate activities that will help to improve the actual IEQ in buildings
 - Created in 2019, with AIVC as founding member
- 11 full and 2 affiliate members, eg AIVC, ASHRAE, REHVA, ASA, ISHRAE,...
- Example action:
 - Joint task force on COVID-19
 - Website information centre: https://ieq-ga.net/
 - Contact with WHO Engineering Control Expert Advisory Panel (ECAP)

Thank you!

- Presenters
- Organizing committee
- Session chairs

• You: the audience!