

Tuesday, 14 March 2023, 13:30 - 15:00

ISH, Messe Frankfurt

Chaired by Jarek Kurnitski, REHVA TRC Chair

New standards and health-based ventilation practice for good indoor air quality in homes

AGENDA

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| 13:30 | Welcome and opening
<i>Jarek Kurnitski, REHVA TRC Chair</i> |
| 13:35 | REHVA infection-risk based ventilation design
Jarek Kurnitski, REHVA TRC Chair & Taltech University, Professor |
| 13:45 | WHO air quality guidelines and EN/ISO standards on air cleaning and filtration
Tobias Zimmer, Camfil, Vice President Global Product Management & International Standards |
| 14:00 | The HVAC-IAQ interaction in homes
Jelle Laverge, Ghent University |
| 14:15 | EU Policy outlook - IAQ requirements in residential buildings
Claus Händel, EVIA, Technical Secretary |
| 14:30 | The benefits for IAQ of the use of central AHUs with roary heat exchangers in centrally ventilated apartment buildings
David Black, FläktGroup, Global Product Marketing Manager - Modular AHU (TBC) |
| 14:45 | Q&A + Closing remarks
<i>Jarek Kurnitski, REHVA TRC Chair</i> |

ABSTRACT

We spend up to 90 % of our time indoors, and indoor climate quality has a massive impact on our health, productivity, and wellbeing. Case studies show that indoor air may contain 5-times more pollutants than ambient air in countries with higher environmental standards. The COVID-19 pandemic showed the importance of adequate ventilation and IAQ in limiting the spread of infections respiratory diseases and we must draw the lessons for future HVAC design and building operation to ensure adequate indoor air quality in all buildings.

This seminar will discuss changing European and global standards with health based IAQ requirements in the post-covid era, and focus on the often overlooked residential building sector, presented by high-level international experts from the REHVA network.