



# 12<sup>th</sup> International BUILDAIR-Symposium

Airtight Buildings • Thermography • Ventilation Systems

## Conference programme

### Friday, June 25, 2021

09:30 **Welcome address**  
Wilfried Walther, Germany

#### Session 1: From associations and countries

09:35 **Information from the countries**  
Oliver Solcher, Germany, Michael Wehrli, Switzerland, ...

10:15 **Statistical analyses of about 380,000 measurements of the French database of building airtightness**  
Bassam Moujalled, France

10:45 **FLiB-Qualification: Training for tradesmen – Airtight sealing**  
Wilfried Walther, Germany

11:15 Coffee break

#### Session 2: Gluing and sealing on site

11:45 **Good better, best – reference model for airtightness in large buildings**  
Andreas Kaschuba-Holtgrave, Germany

12:15 **Damaged timber girders due to negative pressurization – root causes and action plans**  
Thomas Runzheimer, Germany

12:45 **Efficient and safe execution of difficult air seal joints – liquid adhesive**  
Michael Förster, Germany

13:15 Lunch break

#### Session 3: Air permeability of structural components

14:15 **Testing products for airtightness**  
Søren Peper, Germany

14:45 **Ariane 6 – Similarities between a carrier rocket and the airtight building envelope**  
Stefanie Rolfsmeier, Germany

15:15 **Customizing the BlowerDoor method for leak detection in the aircraft cargo hold**  
Victor Norrefeldt, Germany

15:45 Coffee break

#### Session 4: Visualizing leaks

16:15 **Leak detection as part of the final test according to the German Energy Saving and Renewables Act (GEG) – a critical discourse**  
Klaus Vogel, Germany

**Leakages "fit for purpose(!?)" – zombie chimera, practical aid or just absurd?**  
Ulf Köpcke, Germany

**Dicussions and debates**  
Klaus Vogel, Ulf Köpcke and other

17:30 End of the first day

danach Inspiring conversations in the online BuildairLounge – with stimulating beverages from your own refrigerator

Organiser:



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**Saturday, June 26, 2021**

**Session 5: Improving measurement accuracy**

- 09:30 **Pressure build-up in very airtight buildings – patience avoids measurement errors**  
Joachim Zeller, Germany
- 10:00 **Building pressurization tests in a wind tunnel: design and characterization of a reduced-scale experiment facility**  
Bassam Moujalled (Adeline Mélois), France
- 10:30 **Proposal regarding the zero pressure level when measuring high-rise buildings**  
Søren Peper, Germany
- 11:00 Coffee break

**Session 6: Thermography and ventilation**

- 11:30 **Thermography during summer time? – Why not!**  
Ben Standecker, Germany
- 12:00 **Decentralized ventilation units under wind impact**  
Oliver Solcher, Germany
- 12:30 Lunch break

**Session 7: Advanced Airtightness**

- 13:30 **Ensuring airtightness from the outside? Robust solutions for renovating high-pitched roofs**  
Robert Borsch-Laaks, Germany
- 14:15 **Design of high-performance control towers: Importance and difficulty of achieving duct and envelope airtightness**  
Fabrice Richieri, France
- 14:45 **Airtightness testing of clean rooms (isolation rooms) in a new hospital building**  
Michael Wehrli, Switzerland
- 15:15 **Air permeability testing of a 125-meter tall high-rise (lessons learned)**  
Stefanie Rolfsmeier, Germany, and Emanuel Mairinger, Austria
- 15:45 **Closing words**
- 15:50 End of the symposium

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