AIVC International Workshop

Resilient Cooling and IEQ Under Climate Change

Thessaloniki, Greece 20-21 April 2027

Workshop Description

The Air Infiltration and Ventilation Centre (AIVC) together with the Process Equipment Design Laboratory (PEDL) of the School of Mechanical Engineering at the Aristotle University of Thessaloniki (AUTh) and FUV Group, are organizing a workshop entitled “Resilient Cooling and IEQ Under Climate Change” to be held on 20-21 April 2027 in Thessaloniki, Greece. The workshop is supported by venticool and TightVent platforms.

The workshop will provide an opportunity for Greek researchers and professionals, as well as international experts, to present and discuss recent advances in relation to the challenges that climate change imposes on buildings, related to indoor environmental quality, heat stress, sustainability and resilience, and the role of ventilation, building and ductwork airtightness and resilient cooling.

This workshop is part of a series of annual international workshops organized by AIVC in collaboration with international research centres. These events also focus on local issues related to ventilation and infiltration as part of the knowledge generation process. At the Thessaloniki workshop, the following topics will be discussed:

- Multi-Scale Resilient and Sustainable Cooling in relation to heat stress
- Ventilation and IEQ in Low-Carbon Buildings
- Hygrothermal Resilience of Building Envelopes
- IAQ Remediation and Air Cleaning for Healthy Indoor Environments
- Protection of IEQ During Wildfire and Extreme Smoke Events
- Smart Ventilation and Dynamic HVAC Controls
- Case Studies in relation to the workshop topics

Organizers

The workshop is organized by the Process Equipment Design Laboratory (PEDL) of the School of Mechanical Engineering at the Aristotle University of Thessaloniki (AUTh) and the FUV Group together with the Air Infiltration and Ventilation Centre (AIVC), in collaboration with INIVE (International Network for Information on Ventilation and Energy Performance), TightVent and venticool.

Language

The official language of the workshop will be English.

Venue

The workshop will take place at KEDEA, Aristotle University of Thessaloniki (AUTh), Thessaloniki, Greece.

Registration

More information will be provided soon.

Sponsors

Supported by companies active in the sector, with further details of exhibition to be announced. Sponsorship arrangements and exhibition opportunities for this workshop are being undertaken by FUV Group. To participate as a sponsor, please contact Theo Tountas.

Presentation

In case you are interested to contribute with a presentation, please contact Associate Professor Giorgos Panaras.

Organizational matters

For any questions regarding the organization of the workshop, please contact Maria Kapsalaki.