

# IABP SUMMER SCHOOL

8-10 September 2025, Budapest, Hungary

Organized by

**Prof. Umberto Berardi, President of the International Association of Building Physics (IABP),  
Assoc. Prof. Balázs Nagy, Chair of the 6<sup>th</sup> Central European Symposium on Building Physics (CESBP 2025)**

## INVITED LECTURERS

**Prof. Umberto Berardi**  
Politecnico di Bari, Italy

**Assoc. Prof. Christiane Berger**  
Aalborg Universitet, Denmark

**Prof. Mark Bomberg**  
Clarkson University, USA / IBS, Poland

**Prof. Jan Carmeliet**  
ETH Zürich, Switzerland

**Michal Dengusiak**  
Hoare Lea, UK

**Prof. Dominique Derome**  
University of Sherbrooke, Canada

**Assoc. Prof. Feride Şener Yilmaz**  
Istanbul Teknik Üniversitesi, Turkey

**Assoc. Prof. Parham A. Mirzaei**  
Aalborg Universitet, Denmark

**Assoc. Prof. Balázs Nagy**  
BME, Hungary

**Prof. Carsten Rode**  
Danmarks Tekniske Universitet, Denmark

**Dr. Roberto Stasi**  
Politecnico di Bari, Italy

**Prof. Jiri Zach**  
Brno University of Technology, Czechia

**Assoc. Prof. Zsuzsa Szalay**  
BME, Hungary

**Jakub Ziółkowski**  
Hoare Lea, UK

## VENUE

**BUDAPEST UNIVERSITY OF  
TECHNOLOGY AND ECONOMICS  
FACULTY OF CIVIL ENGINEERING**



	First day	Second day	Third day
<b>9:00-10:30</b>	<b>Introduction, research at BME</b> Assoc. Prof. Balázs Nagy & Assoc. Prof. Zsuzsa Szalay	<b>Moisture performance of buildings, materials and structures</b> Prof. Carsten Rode	<b>Anatomy and process of dynamic energy performance simulations</b> Assoc. Prof. Parham A. Mirzaei
<b>10:30-10:45</b>	Break	Break	Break
<b>10:45-11:45</b>	<b>Natural-based and ecological thermal insulation materials and the measurement of hygrothermal properties</b> Prof. Jiri Zach	<b>Simulation workshop of heat and moisture transfer in COMSOL</b> Prof. Carsten Rode	<b>Urban microclimate modelling for building physics problems</b> Prof. Jan Carmeliet
<b>11:45-12:15</b>		<b>BIM to hygrothermal simulations</b> Assoc. Prof. Balázs Nagy & Balázs Fürtön	
<b>12:15-13:15</b>	Lunchbreak	Lunchbreak	Lunchbreak
<b>13:15-14:45</b>	<b>Next generation of energy retrofitting buildings and clusters of buildings</b> Prof. Mark Bomberg	<b>Hygrothermal behavior of wood polymers: from molecular scale to wood scale</b> Prof. Dominique Derome	<b>Daylighting in Architecture: Performance Metrics and Simulation Approaches for Improved Visual Comfort in Buildings</b> Assoc. Prof. Feride Şener Yilmaz
<b>14:45-15:00</b>	Break	Break	Break
<b>15:00-16:00</b>	<b>On-site building physical and energy performance diagnostics</b> Assoc. Prof. Balázs Nagy	<b>BIM to BEM simulations (SAM)</b> Michal Dengusiak & Jakub Ziółkowski	<b>Dynamic simulation of human-building interaction</b> Assoc. Prof. Christiane Berger
<b>16:00-17:00</b>	<b>Experimental workshop (diagnostics) and lab tour in groups</b> Assoc. Prof. Balázs Nagy & Dr. Dániel Csanády & Fanni Petreševics & Levente Szatmári	<b>Natural ventilation: cfd modelling in architecture</b> Dr. Roberto Stasi	<b>Innovative reflecting materials for solar modulation and control</b> Prof. Umberto Berardi
<b>from 17:00</b>	Sightseeing walk from BME to downtown Budapest, social evening		Welcome drink of CESBP 2025 at BME

A three-day exclusive PhD summer school, aiming to support and inspire early-career researchers, will accompany and precede CESBP 2025. The event is organized by the International Association of Building Physics (IABP) and the EELISA University SusBCC community at the Budapest University of Technology and Economics. The program is tentative and may be updated.

**Conference participants are welcome to attend this event for free and will be awarded a certificate of participation.**

Details and registration:  
[cesbp2025.bme.hu](http://cesbp2025.bme.hu)

