

ROMANIAN ASSOCIATION FOR BUILDING SERVICES ENGINEERS

# NATIONAL CONFERENCE OF BUILDING SERVICES 56<sup>TH</sup> EDITION 2021

## INVITATION

Technical University Aula, Braşov  
October 7-8, 2021

*Romanian Association for  
Building Services Engineers  
invites you to attend the  
56<sup>th</sup> Building Services Conference*

**With the support of MATRIXROM  
publishing house**

We invite you to submit papers until October 25,  
2021, to be published in a special volume of the  
BDI indexed Romanian Magazine of Civil  
Engineering.

NATIONAL CONFERENCE OF BUILDING SERVICES

**Zoom Meeting - bilingual live translation EN/ROU  
(link for both days)**

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## NATIONAL CONFERENCE OF BUILDING SERVICES - 56<sup>TH</sup> EDITION 2021 - 7<sup>th</sup> October Program-

<b>09:30 - 10:30</b>	<b>Opening words - Guests speech</b>		
<b>Chairs</b>	Dr.eng. Ioan Silviu Doboși AIIR President	Assoc.prof.dr.eng. Cătălin Lungu AIIR Prime Vice-President	Prof.dr.eng. Liviu Drughean AIIR Executive Manager

### GUESTS

The Romanian Academy, REHVA - Federation of European Heating Ventilation and Air-conditioning Associations, ASHRAE - The American Society of Heating, Refrigerating and Air-Conditioning Engineers, MDLPA - Ministry of Development, Public Works and Administration, MS - Ministry of Health, ASRO - The Romanian Standards Association, IGSU - The General Inspectorate for Emergency Situations, AFM - Environmental Fund Administration, ISC - The State Inspectorate in Constructions, OAR - The Romanian Order of Architects, ARACO - Romanian Association Of Construction Entrepreneurs, FPSC - Employers' Federation of Construction Companies, Give Life, UniTBv - Transilvania University of Brașov, UTCB - The Technical University of Civil Engineering Bucharest, UTCluj - The Technical University of Cluj-Napoca, TUIasi - The Gheorghe Asachi Technical University of Iași, UPT - Politehnica University of Timișoara.

<b>10:30 - 12:30</b>	<b>Building services for hospitals</b>	
<b>Chairs</b>	Dr.eng. Ioan Silviu Doboși	Assoc.prof.dr.eng. Daniela Teodorescu

### LECTURERS

Arh. Șerban Țigănaș - OAR

*“What is a good hospital and what could it be? The architectural perspective”*

Andrés Sepúlveda - Director and Regional Chair - Region XIV Europe - ASHRAE

*“Health Care Facility Commissioning, HFCx”*

Avraham Menashe - Chairman of the SEEEI Energy and HVAC Society - Israel

*“Cell Therapy R & D Labs in Hospitals - Design aspect and challenges”*

Assoc.prof.dr.eng. Mihnea Sandu - Technical University of Civil Engineering Bucharest, Romania

*“Medical fluid installations in hospitals: the beginning of the road to normality”*

Assoc.prof.dr.eng. Cătălin Popovici - The Gheorghe Asachi Technical University of Iași, Romania

*“Considerations regarding the design of HVAC systems for hospital buildings”*

20 minutes - Q & A

<b>12:30 - 14:30</b>	<b>LUNCH BREAK</b>	
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<b>14:30 - 16:30</b>	<b>AIIR's involvement in finding ways to combat the Covid-19 Pandemic</b>	
<b>Chairs</b>	Prof.dr.eng. Ilinca Năstase	Prof.dr.eng. Grațiela Țârlea

### LECTURERS

Corina-Elena Roșu - VIESSMANN - Product Management Sales Area RO/BG/GR

*“Ventilation systems for schools. Solutions to reduce the risk of spreading the Covid-19 virus”*

Prof.dr.eng. Ilinca Năstase - Technical University of Civil Engineering Bucharest, Romania

*“The role of HVAC systems during COVID-19 times: source control, ventilation, air distribution”*

Prof.dr.eng. Livio Mazzarella - Politecnico di Milano, Italy

*“Covid-19 pandemic: infection risk management through buildings mechanical ventilation”*

Prof.dr.eng. Manuel Gameiro da Silva - University of Coimbra, Portugal

*“A parametric study on the dose of exposure to a biological contaminant in a classroom”*

Eric Foucherot - EUROVENT - Head of International Affairs & Partnerships

*“The key Values and Advantages of ISO 16890 Global Air Filtration Standard”*

20 minutes - Q & A



## NATIONAL CONFERENCE OF BUILDING SERVICES - 56<sup>TH</sup> EDITION 2021 - 7<sup>th</sup> October Program -

16:30 - 16:45

COFFEE BREAK

16:45 - 18:45 **Energy Performance of Building-MC001-Romanian revised methodology**

**Chairs**

Assoc.prof.dr.eng. Cătălin Lungu

Prof.dr.eng. Liviu Drughean

### LECTURERS

Assoc.prof.dr.eng. Cătălin Lungu - Project Manager University Consortium for the development of MC001  
*“NZE concept in the context of urban sustainability”*

Jaap Hogeling - Chairperson of the CEN Program Committee on EPBD  
*“EU Green Deal - Fit for 55 by 2030:  
drivers for the EPBD revision in 2022, will it affect  
the use of the set of EPB standards?”*

Arh. Anca Ginavar - MDLPA Director at Technical Direction  
*“MDLPA policy to promote the revision of normative acts and technical regulations”*

Senior Researcher Horia Petran - Urban Incerc Bucharest - pRO-nZEB Cluster President  
*“Preparing the market for the implementation of the nZEB concept - challenges, initiatives, solutions”*

20 minutes - Q & A

## - 8<sup>th</sup> October Program -

09:30 - 13:00

**AIIR - Board of Directors Meeting**

Attended by the AIIR Board of Directors members

10:00 - 12:00

**AIIR/REHVA Student Contest**

**Chairs**

Prof.dr.eng. Robert Gavriiliuc

### JURY MEMBERS

The Technical University of Civil Engineering of Bucharest - Prof.dr.eng. Robert Gavriiliuc  
Transilvania University of Braşov - Lect.dr.eng. Sorin Bolocan  
Politehnica University of Timișoara - Assoc.prof.dr.eng. Olga Bancea  
The Technical University of Cluj-Napoca - Assoc.prof.dr.eng. Ancuța Coca Abrudan  
The Gheorghe Asachi Technical University of Iași - Prof.dr.eng. Andrei Burlacu

13:00 - 14:30

LUNCH

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# NATIONAL CONFERENCE OF BUILDING SERVICES 56<sup>TH</sup> EDITION 2021

## Chairs



Ioan Silviu Doboși



Cătălin Lungu



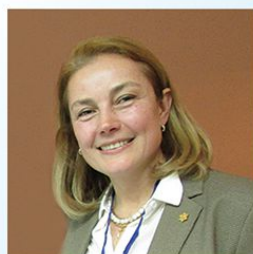
Liviu Drughean



Daniela Teodorescu



Iilnca Năstase



Grațiela Țârlea



Robert Gavriluc

## Lecturers



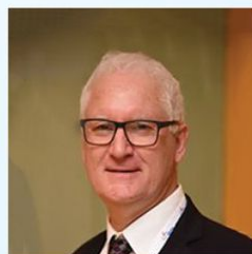
Șerban Țigănaș



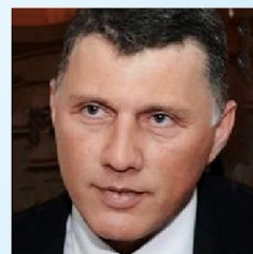
Andrés Sepúlveda



Mihnea Sandu



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Corina-Elena Roșu



Iilnca Năstase



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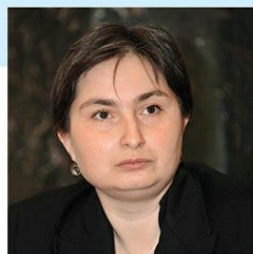
Eric Foucherot



Cătălin Lungu



Jaap Hogeling



Anca Ginavar



Horia Petran