



RCEPB 2015 PROGRAM – short version

INNOVATIVE TECHNOLOGIES FOR nZEBs

THURSDAY, MAY 28th 2015

**FESTIVITY HALL, FACULTY FOR BUILDING SERVICES ENGINEERING
66 PACHE PROTOPODESCU BLVD, BUCHAREST**

08:30 TRANSFER FROM HOTELS TO RCEPB VENUE

08:30 – 09:20 PARTICIPANTS REGISTRATION & WELCOME COFFEE

Entrance Hall

SESSION I ORGANISERS & PARTNERS WELCOME SPEECH

Festivity Hall

09:20 – 11:40 Moderators

Prof.PhD.eng. Sorin BURCHIU

Dean of FII-UTCB, Vice-president of AIIR

Prof.assoc.PhD.eng. Cătălin LUNGU

President of AIIR Valahia, FII-UTCB

11:40 – 12:00 COFFEE BREAK

Entrance Hall

SESSION II KEYNOTE PAPERS

Festivity Hall

12:00 – 13:40 Moderators

Prof.PhD.eng. Yves FAUTRELLE

SIMAP/EPM/Grenoble Institute of Technology, FRANCE

PhD.eng. Ioan Silviu DOBOȘI

Vice-president of REHVA & AIIR

Prof.PhD.eng. Rodica FRUNZULICĂ

FII-UTCB, Head of HVAC Department

13:40 – 14:30 LUNCH & SPONSORS AWARDS CEREMONY

Room P1 (Groundfloor)

SESSION III KEYNOTE PAPERS & TECHNICAL PRESENTATIONS

Festivity Hall

14:30 – 16:45 Moderators

PhD.eng. Fawaz MASSOUH

Chargé de mission Rel.Int., Arts et Metiers ParisTech, FRANCE

Prof.PhD.eng. Iolanda COLDA

President of OAER, FII-UTCB

Prof.PhD.arch. Cristina OCHINCIUC

Vice-president of OAER, UAIUM

16:45 – 17:00 COFFEE BREAK

Entrance Hall

SESSION IV ROUND TABLE & ENERGY AUDITORS AWARDS

Festivity Hall

17:00 – 18:00 Moderators

Prof.PhD.eng. Octavia COCORĂ

Vice-president of OAER, FII-UTCB

PhD.eng. Cristian Paul STAMATIADĂ

MDRAP DGDR Manager

PhD.eng. Remus RETEZAN

President of OAER Timișoara

18:00 – 19:00 RCEPB2015 RAFFLE & ENTERTAINMENT & NETWORKING COCKTAIL

Room P1 (Groundfloor)

19:00 TRANSFER FROM RCEPB TO THE HOTELS



RCEPB 2015 PROGRAM – short version

20th CONFERENCE OF BUILDING SERVICES ENGINEERING FACULTY, UTCB

FRIDAY, MAY 29th 2015

**FESTIVITY HALL, FACULTY FOR BUILDING SERVICES ENGINEERING
66 PACHE PROTOPOPESCU BLVD, BUCHAREST**

08:30 TRANSFER FROM HOTELS TO RCEPB VENUE

08:30 – 09:00 PARTICIPANTS REGISTRATION & WELCOME COFFEE

Entrance Hall

SESSION V ORGANISERS & PARTNERS WELCOME SPEECHES Festivity Hall
KEYNOTE PAPERS & TECHNICAL PRESENTATIONS

09:00 – 11:20

Moderators

- | | |
|-------------------------------------|---------------------------------|
| Prof.PhD.eng. Robert GAVRILIUC | President of SRG, FII-UTCB |
| Prof.assoc.PhD.eng.Florin BĂLTĂREȚU | Vice-Dean of FII-UTCB |
| Prof.PhD.eng. Walter BOSSCHAERTS | Royal Military Academy, BELGIUM |

11:20 – 11:45 COFFEE BREAK

Entrance Hall

SESSION VI KEYNOTE PAPERS & TECHNICAL PRESENTATIONS Festivity Hall

11:45 – 14:00

Moderators

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|---------------------------------------|-------------------------------------|
| Prof.assoc.PhD.eng. Andrei DAMIAN | FII-UTCB |
| Prof.assoc.PhD.eng. Mihaela GEORGESCU | UAUIM |
| Prof.assoc.PhD.eng. Cătălin LUNGU | President of AIIR Valahia, FII-UTCB |

14:00 – 14:05 CLOSING of RCEPB 2015 and 20th CONFERENCE of FII-UTCB

14:30 – 16:00 LUNCH (for international guests)

Scientists House Restaurant

16:00...17:00 DEPARTURE FOR MUD VOLCANOS AND SALT MINE TRIP



Thursday, MAY 28th 2015

RCEPB 2015 PROGRAM

INNOVATIVE TECHNOLOGIES FOR nZEBs

08:30	HOTEL DEPARTURE, TRANSFER to RCEPB VENUE	
08:30 – 09:20	PARTICIPANTS REGISTRATION & WELCOME COFFEE	Entrance Hall
SESSION I	WELCOME SPEECH	
09:20 – 11:40	Festivity Hall	
	Moderators	
	Prof.PhD.eng. Sorin BURCHIU	Dean of FII-UTCB, Vice-president of AIIR
	Prof.assoc.PhD.eng. Cătălin LUNGU	President of AIIR Valahia, FII-UTCB & RCEPB Director
09:20 – 09:50	ORGANISERS WELCOME SPEECH	
	Prof.assoc.PhD.eng. Cătălin LUNGU	President of AIIR Valahia, FII-UTCB & RCEPB Director
	Prof.PhD.eng. Iohan NEUNER	Rector of UTCB
	Prof.PhD.eng. Sorin BURCHIU	Dean of FII-UTCB, Vice-president of AIIR
	Prof.PhD.eng. Iolanda COLDA	President of OAER, FII-UTCB
	Prof.PhD.eng. Ana-Maria BIANCHI	President of SRT, FII-UTCB
09:50 – 09:55	MAIN SPONSOR welcome speech	
09:55 – 10:45	PARTNERS WELCOME SPEECH	
	PhD.eng. Cristian-Paul STAMATIADÉ	ANRSC President, MPHADAP Secretary of State
	Eng. Marian RĂDUCANU	MDRAP – DGDR Manager
	Prof.PhD.arch. Ana-Maria DABIJA	ISCIR Chief State Inspector
	PhD.eng. Cristian ERBAŞU	ISC General Inspector
	Prof.PhD.eng. Constantin ŢULEANU	UAUIM Vice-rector
	Euring. Cristian CETĂŢEANU	PSC President
	PhD.eng. Ioan-Silviu DOBOŞI	AIIR Republica Moldova President
	Anna-Maria VASILE	ACR President
	Eng. Gheorghe ŢUCU	REHVA Vice-president, AIIR Vice-president
		3 rd District Project Management Department Manager
		ASRO President
		ARACO President
		Romanian Academy Representative
		UNDP GEF Representative
10:45 – 11:00	Prof.hon.PhD.eng. DHC Liviu DUMITRESCU	President of AIIR, Honorary Chair of RCEPB 2015
11:00 – 11:10	Prof.PhD.eng. Ana-Maria BIANCHI	President of SRT, FII-UTCB, coordinator of the Romanian version of the “L’air et l’eau” French book
		“Air and water” book launch, Romanian version
11:10 – 11:40	Prof.em.academ. PhD.eng. René MOREAU	Emeritus Professor at Grenoble-INP, member of the Academy of Sciences & Academy of Technologies, Honorary Chair of RCEPB 2015, author of “L’air et l’eau” book, FRANCE
		Environmental challenges for the 21 st century
11:40 – 12:00	COFFEE BREAK	
		Entrance Hall



SESSION II	KEYNOTE PAPERS	Festivity Hall
12:00 – 13:40	Moderators Prof.PhD.eng. Yves FAUTRELLE PhD.eng. Ioan Silviu DOBOȘI Prof.PhD.eng. Rodica FRUNZULICĂ	SIMAP/EPM/Grenoble Institute of Technology, FRANCE Vice-president of REHVA & AIIR FII-UTCB, Head of HVAC Department

12:00 – 12:15	SILVER SPONSOR	TESTO ROMANIA Ltd <i>Innovative solutions for measurement</i>
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12:15 – 12:35	Prof.PhD.eng. Yves FAUTRELLE KEYNOTE SPEAKER <i>Discussions</i>	SIMAP/EPM/Grenoble Institute of Technology, FRANCE <i>Futur nuclear energy development and waste treatment strategy</i>
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12:35 – 12:55	PhD.eng. Andy LEWRY KEYNOTE SPEAKER <i>Discussions</i>	CEng, MIMMM, CEnv, SOE Sustainable Energy Team, Building Research Establishment (BRE) Ltd., UNITED KINGDOM <i>Energy surveys and audits - best practice</i>
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12:55 – 13:15	Prof.PhD.eng. Walter BOSSCHAERTS KEYNOTE SPEAKER <i>Discussions</i>	Royal Military Academy, BELGIUM <i>Therapeutic bath: energy management</i>
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13:15 – 13:25	BRONZE SPONSOR	JETRUN EnergoEco Ltd
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13:25 – 13:40	Questions and answers & PRESS CONFERENCE	
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13:40 – 14:30	LUNCH & SPONSORS AWARDS CEREMONY	Room P1 (Groundfloor)
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SESSION III	KEYNOTE PAPERS & TECHNICAL PRESENTATIONS	Festivity Hall
14:30 – 16:45	Moderators PhD.eng. Fawaz MASSOUH Prof.PhD.eng. Iolanda COLDA Prof.PhD.arch. Cristina OCHINCIUC	Chargé de mission Rel.Int., Arts et Metiers ParisTech, FRANCE President of OAER, FII-UTCB Vice-president of OAER, UAIUM

14:30 – 14:50	PhD.eng. Paul BREJON KEYNOTE SPEAKER <i>Discussions</i>	Counselor of management for innovation, former President of AICVF, FRANCE <i>Energy performance of buildings: 40 years on!</i>
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14:50 – 15:05	PhD.eng. Ioan Silviu DOBOȘI KEYNOTE SPEAKER	Vice-president of AIIR & REHVA <i>"Ecole de Trèfles" - passive building in Anderlecht Brussels</i>
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15:05 – 15:25	Prof.PhD.eng. Xiaodong WANG KEYNOTE SPEAKER <i>Discussions</i>	University of Chinese Academy of Science (UCAS), CHINA <i>Thermal physics research activities in the University of Chinese Academy of Sciences</i>
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15:25 – 15:35	BRONZE SPONSOR	ATREA Romania Ltd <i>Ventilating devices for energy efficient buildings</i>
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15:35 – 15:55	Bertrand MONTMOREAU KEYNOTE SPEAKER <i>Discussions</i>	President of AICVF & CLIMAMED2015, FRANCE <i>Energy efficiency, health and comfort in public buildings</i>
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15:55 – 16:15 Prof.assoc.PhD.eng. Cătălin LUNGU **President of AIIR Valahia, FII-UTCB & RCEPB Director**
KEYNOTE SPEAKER **RO-nZEB – new issues**
Discussions

16:15 – 16:25 **SPONSOR** **NEMETSCHek Romania Ltd**
EnergyPlus versus DIN18599 versus Mc001

16:25 – 16:45 **Questions and answers**

16:45 – 17:00 **COFFEE BREAK** **Entrance Hall**

SESSION IV **ROUND TABLE** **Festivity Hall**
17:00 – 18:00 **Moderators**
 Prof.PhD.eng. Octavia COCORA Vice-president of OAER, FII-UTCB
 PhD.eng. Cristian Paul STAMATIADÉ MPHADAP DGTC Manager
 PhD.eng. Remus RETEZAN President of OAER Timișoara

- 17:00 – 18:00**
- The importance of new local subsidiaries of OAER
 - Strategic partnership ISC-AIIR-OAER
 - New barriers for reducing the frauds on Energy Performance Certificates market
 - E-learning: a solution for energy auditors life-learning

DISCUSSIONS



RCEPB2015 RAFFLE & ENTERTAINMENT & NETWORKING COCKTAIL

Room P1 (Groundfloor)

19:00 **TRANSFER FROM RCEPB TO THE HOTELS**



Friday, MAY 29th 2015

RCEPB 2015 PROGRAMME

20th CONFERENCE OF BUILDING SERVICES ENGINEERING FACULTY, UTCB

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08:30	TRANSFER FROM HOTEL TO RCEPB	
08:30 – 09:00	PARTICIPANTS REGISTRATION & WELCOME COFFEE	Entrance Hall
SESSION V	ORGANISERS & PARTNERS WELCOME SPEECH	Festivity Hall
09:00 – 11:20	Moderators Prof.PhD.eng. Robert GAVRILIUC Prof.assoc.PhD.eng.Florin BĂLTĂREȚU Prof.PhD.eng. Walter BOSSCHAERTS	President of SRG, FII-UTCB Vice-Dean of FII-UTCB Royal Military Academy, BELGIUM
09:00 – 09:30	Prof.PhD.eng. Sorin BURCHIU Euring. Florin CETĂȚEANU Prof.PhD.eng. Robert GAVRILIUC Marius IENCULESCU-POPOVICI	FII-UTCB Dean, AIIR Vice-president ASPIR Vicepresident SRG President GreenItiative President
09:30 – 11:20	KEYNOTE PAPERS & TECHNICAL PRESENTATIONS	
09:30 – 09:45	Prof.PhD.eng.Constantin ȚULEANU	President of AIIRM, Tehnical University of Moldova <i>The current state and forecasts concerning the energy efficiency of public buildings in the Republic of Moldova</i>
09:45 – 10:05	PhD.eng.Fawaz MASSOUH KEYNOTE SPEAKER <i>Discussions</i>	Chargé de mission Relations Internationales, Arts et Metiers ParisTech, FRANCE <i>Study of flow around wind turbines using actuator surface model</i>
10:05 – 10:15	SPONSOR
10:15 – 10:30	Prof.PhD.arch. Ana-Maria DABIJA	UAUM Vice-rector <i>Architectural component of buildings refurbishment</i>
10:30 – 10:45	Șerban DANCIU	BPIE, Country Initiative Manager <i>Tools for increasing energy performance of buildings</i>
10:45 – 11:05	PhD.eng. Andy LEWRY KEYNOTE SPEAKER <i>Discussions</i>	CEng, MIMMM, CEnv, SOE Sustainable Energy Team, Building Research Establishment (BRE) Ltd., UNITED KINGDOM <i>Understanding the choices for building controls</i>
11:05 – 11:20	Eng. Neculai NEGUȚ	Technical Director, Geoterm PDC SRL <i>Seasonal solar energy storage for individual energy efficient houses heating: The SOLARIS HOUSE</i>
11:20 – 11:45	COFFEE BREAK	
		Entrance Hall



SESSION VI	KEYNOTE PAPERS & TECHNICAL PRESENTATIONS	Festivity Hall
11:45 – 14:00	Moderators Prof.assoc.PhD.eng. Andrei DAMIAN Prof.assoc.PhD.eng. Mihaela GEORGESCU Prof.assoc.PhD.eng. Cătălin LUNGU	FII-UTCB UAUIM President of AIIR Valahia, FII-UTCB, RCEPB Director

11:45 – 12:05	Thorbjörn GEISER <i>KEYNOTE SPEAKER</i> <i>Discussions</i>	eGain International AB, SWEDEN <i>Improving energy performance in buildings with heating control based on weather forecasting data</i>
12:05 – 12:25	PhD.eng. Horia PETRAN	URBAN-INCERC, Head of Department <i>Qualitative analysis of the national data base of energy performance certificates and optimisation proposals for the energy certification process</i>
12:25 – 12:40	Eng. Adriana MILANDRU	Institute for Studies and Power Engineerin –ISPE <i>Promotion of smart and integrated NZEB renovation measures in the European renovation market – NeZeR project</i>
12:40 – 12:55	Arch. Lavinia GRĂDIȘTEANU	UAUIM PhD student <i>Living materials – a new approach for architecture and design</i>
12:55 – 13:15	Prof.PhD.eng. Florin IORDACHE	FII-UTCB <i>Energy analysis on using a cogeneration system to supply heat to a series of urban residential buildings</i>
13:15 – 13:30	Arch. Radu ANDONE	UAUIM PhD student <i>Active envelope</i>
13:30 – 13:45	EFdEN team	EFdEN <i>EFDEN 4C – the first research center for comfort conditions in Romania, the first house full certified living building challenge in Europe</i>
13:45 – 14:00	Eng. Cristina OGESCU	SC SIAT SA, Autonomus Grup SRL <i>Management system for improving energy consumption in public buildings</i>
14:00 – 14:05	CLOSING of RCEPB 2015 and 20th CONFERENCE of FII-UTCB	

14:30 – 16:00	LUNCH (for international guests)	Scientists House Restaurant
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16:00...17:00	DEPARTURE FOR MUD VOLCANOS AND SALT MINE TRIP	
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ACR – ROMANIAN ASSOCIATION OF CHIMNEY SWEEP
AFCR – REFRIGERATION AND CRYOGENIST ASSOCIATION OF ROMANIA
AGFR – THE ROMANIAN GENERAL ASSOCIATION OF REFRIGERATION
AICVF – ASSOCIATION OF VENTILATION AND COOLING ENGINEERS
AIIR – ROMANIAN ASSOCIATION OF BUILDING SERVICES ENGINEERS
AIIRM – ASSOCIATION OF BUILDING SERVICES ENGINEERS FROM THE REPUBLIC OF MOLDOVA
ALEA – ALBA LOCAL ENERGY AGENCY
ANRSC – NATIONAL REGULATORY AUTHORITY FOR LOCAL PUBLIC SERVICES
APMCR - ROMANIAN ASSOCIATION OF CONSTRUCTION MATERIALS PRODUCERS
ARACO – ROMANIAN ASSOCIATION OF CONSTRUCTION ENTREPRENEURS
ASPIR – PROFESSIONAL ASSOCIATION OF SPECIALISTS IN PRESSURE EQUIPMENT AND HOISTING
ASRO – ROMANIAN STANDARDS ASSOCIATION
BPIE – BUILDINGS PERFORMANCE INSTITUTE EUROPE
CNRI – ROMANIAN NATIONAL COMMITTEE ON ILLUMINATION
CPEREE – CENTER FOR RENEWABLE ENERGY PROMOTION AND ENERGY EFFICIENCY, ROMANIAN ACADEMY
FGS FAMILIA – GENERAL FEDERATION OF TRADE UNIONS
FII – BUILDING SERVICES ENGINEERING FACULTY

ISC – STATE CONTROL INSPECTORATE FOR CONSTRUCTION
ISCIR – STATE INSPECTION FOR CONTROL OF BOILERS, PRESSURE VESSELS AND HOISTING
MPHDAP – MINISTRY OF REGIONAL DEVELOPMENT AND PUBLIC ADMINISTRATION
OAER – ROMANIA ENERGY AUDITORS CHAMBER
OAR – ROMANIAN ORDER OF ARCHITECTS
PSC – EMPLOYERS ASSOCIATION FOR CONSTRUCTIONS COMPANIES
REHVA – FEDERATION OF EUROPEAN HEATING, VENTILATION AND AIR-CONDITIONING ASSOCIATIONS
RoGBC – ROMANIA GREEN BUILDING COUNCIL
SRG – ROMANIA SOCIETY GEOEXCHANGE
SRT – ROMANIAN SOCIETY OF THERMAL SCIENTISTS
UAUIM – “ION MINCU” UNIVERSITY OF ARCHITECTURE AND URBANISM
UNDP – UNITED NATIONS DEVELOPMENT PROGRAMME
URBAN – INCERC - NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN CONSTRUCTIONS, URBAN PLANNING AND SUSTAINABLE TERRITORIAL DEVELOPMENT "URBAN-INCERC"
UTCB – TECHNICAL UNIVERSITY OF CIVIL ENGINEERING BUCHAREST