



RCEPB 2016 PROGRAMME – short version

The VIIIth edition: STRATEGIES OF THE PROFESSIONAL ASSOCIATIONS AND PUBLIC INSTITUTIONS FOR THE IMPLEMENTATION OF THE EU DIRECTIVES (EPBD, RES, EED ...)

THURSDAY, JUNE 2nd, 2016

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

08:30 TRANSFER FROM THE HOTEL ROYAL TO RCEPB VENUE

08:30 – 09:15 PARTICIPANTS REGISTRATION & WELCOME COFFEE

Entrance Hall

SESSION I	ORGANISERS & PARTNERS WELCOME SPEECH	Festivity Hall
09:15 – 11:30	Moderators Prof.PhD.eng. Sorin BURCHIU Prof.PhD.eng. Liviu DRUGHEAN Prof.assoc.PhD.eng. Cătălin LUNGU	Vice-president of AIIR, Dean of FII-UTCB President of AFCR, Vice-rector of UTCB President of AIIR Valahia, Vice-dean of FII-UTCB

11:30 – 12:00 *COFFEE BREAK* *Columns Hall (Ground floor)*

SESSION II	KEYNOTE PAPERS	Festivity Hall
12:00 – 13:45	Moderators PhD.eng. Gilles NOTTON Prof.PhD.eng. Iolanda COLDA Prof.PhD.arch. Cristina OCHINCIUC	Lab. Sciences for Env. – Univ. of Corsica Pasquale Paoli President of OAER, FII-UTCB Vice-president of OAER, UAIUM

13:45 – 14:30 *LUNCH & SPONSORS AWARDS CEREMONY* *Columns Hall (Ground floor)*
(only by invitation)

SESSION III	KEYNOTE PAPERS & TECHNICAL PRESENTATIONS	Festivity Hall
14:30 – 16:30	Moderators Prof.eng. Francesca Romana D'AMBROSIO Prof.PhD.eng. Rodica FRUNZULICĂ Prof.assoc.PhD.eng. Florin BĂLTĂREȚU	Elected President of AiCARR, University of Salerno Head of HVAC Department, FII-UTCB Head of Thermotechnics Department, FII-UTCB

16:30 – 17:00 *COFFEE BREAK* *Columns Hall (Ground floor)*

SESSION IV	ROUND TABLE	Festivity Hall
17:00 – 18:00	Moderators Prof.PhD.eng. Octavia COCORA PhD.eng. Cristian Paul STAMATIADE Prof.ass.PhD.eng. Mihaela GEORGESCU	Vice-president of OAER, FII-UTCB MDRAP, DGTC Manager Vice-president of OAER, UAIUM

18:00 – 19:00 *RCEPB 2016 LOTTERY & ENTERTAINMENT* *Festivity Hall*
NETWORKING COCKTAIL (only by invitation) *Columns Hall (Ground floor)*

19:00 TRANSFER FROM RCEPB TO THE HOTEL ROYAL



RCEPB 2016 PROGRAMME – short version

21st CONFERENCE OF THE BUILDING SERVICES ENGINEERING FACULTY & RCEPB 2016 – VIIIth edition

FRIDAY, June 3rd 2016

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

08:30 TRANSFER FROM THE HOTEL ROYAL TO RCEPB VENUE

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

Entrance Hall

**SESSION V ORGANISERS & PARTNERS WELCOME SPEECHES
KEYNOTE PAPERS & TECHNICAL PRESENTATIONS**

Festivity Hall

09:00 – 11:15

Moderators

Prof.assoc.PhD.eng. Andrei DAMIAN

FII-UTCB

Prof.assoc.PhD.eng. Ilinca NĂSTASE

FII-UTCB, Head of CAMBI Research Center

PhD.eng. Nicolae ANTONESCU

President of OAER Bucharest & FII-UTCB

11:15 – 11:45

COFFEE BREAK

Columns Hall (Ground floor)

SESSION VI KEYNOTE PAPERS & TECHNICAL PRESENTATIONS

Festivity Hall

11:45 – 14:00

Moderators

PhD.eng. Fawaz MASSOUH

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

PhD.eng. Ioan-Silviu DOBOȘI

Vice-president of REHVA & AIIR

Prof.assoc.PhD.eng. Mihnea SANDU

President of ARISI, FII-UTCB

14:00

CLOSING of the RCEPB 2016 and of the 21st CONFERENCE of FII-UTCB

14:00– 15:00

LUNCH (for the international guests)

15:00...15:30

DEPARTURE TO THE DRACULA'S BRAN CASTLE TRIP

SUNDAY, June 5th 2016

15:00 ...

RETURN FROM THE DRACULA'S BRAN CASTLE TRIP

During the congress (10:00-14:00) the participants are welcomed to visit the new laboratories of FII-UTCB, including 2 mobile laboratories, and the EfDeN House located in the courtyard of the Faculty.

The 3 scholarships for the students, of 100 Euro each, will be offered by TESTO Romania through a 3 session lottery for which students have to register. The lottery timetable is random, therefore the presence in the Festivity Hall is needed.



Thursday, June 2nd 2016

RCEPB 2016 PROGRAMME

The VIIIth edition: STRATEGIES OF THE PROFESSIONAL ASSOCIATIONS AND PUBLIC INSTITUTIONS FOR THE IMPLEMENTATION OF THE EU DIRECTIVES (EPBD, RES, EED ...)

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08:30	HOTEL ROYAL DEPARTURE, TRANSFER to RCEPB VENUE	
08:30 – 09:15	PARTICIPANTS REGISTRATION & WELCOME COFFEE	Entrance Hall
SESSION I	WELCOME SPEECH	Festivity Hall
09:15 – 11:30	Moderators	
	Prof.PhD.eng. Sorin BURCHIU	Vice-president of AIIR, Dean of FII-UTCB
	Prof.PhD.eng. Liviu DRUGHEAN	President of AFCR, Vice-rector of UTCB
	Prof.assoc.PhD.eng. Cătălin LUNGU	President of AIIR Valahia, Vice-dean of FII-UTCB
09:15 – 10:00	ORGANISERS WELCOME SPEECH	
	Prof.assoc.PhD.eng. Cătălin LUNGU	RCEPB General Manager, vice-dean of FII-UTCB
	Prof.PhD.eng. Iohan NEUNER	President of UTCB Senate
	Prof.PhD.eng. Radu VĂCĂREANU	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.hon.PhD.eng.DHC Liviu DUMITRESCU	President of AIIR, Honorary Chair of RCEPB 2016
10:00 – 11:15	PARTNERS WELCOME SPEECH	
	Aura RĂDUCU	Former Minister of European Funds
	Eng. Nelu STELEA	Secretary of State of MDRAP, General Inspector of ISC
	PhD.eng. Doru CIOCAN	Secretary of State of MDRAP, President of ANRSC
	Emil Florin ALBOTĂ	Secretary of State of MENCs
	PhD.eng. Nicolae HAVRILEȚ	President of ANRE
	Prof.PhD.arch.Marian MOICEANU	Rector of UAUIM
	Robert NEGOIȚĂ	Major of the 3 rd District, Bucharest, AMR President
	TBC	Representative of MDRAP
	PhD.eng. Cristian ERBAȘU	President of PSC
	Prof.PhD.eng. Mircea BUZDUGAN	Dean of FI – Cluj-Napoca Technical University
	Prof.PhD.eng. Vasiliță CIOCAN	Dean of FCI – „Gh. Asachi” Technical University, Vice-president of AIIR Moldova
11:15 – 11:30	SPONSOR	TESTO ROMANIA Ltd, General Manager Horațiu BAȘA <i>Smart measurement solutions from TESTO</i>
11:30 – 12:00	COFFEE BREAK	Columns Hall
SESSION II	KEYNOTE PAPERS	Festivity Hall
12:00 – 13:45	Moderators	
	PhD.eng. Gilles NOTTON	Lab. Sciences for Env. – University of Corsica, FRANCE
	Prof.PhD.eng. Iolanda COLDA	President of OAER, FII-UTCB
	Prof.PhD.arch. Cristina OCHINCIUC	Vice-president of OAER, UAIUM



12:00 – 12:15	SPONSOR	JETRUN EnergoEco Ltd , Gen.Manager Adrian MOISA <i>TURBOCOR chillers</i>
12:15 – 12:35	Prof.eng. Francesca Romana D'AMBROSIO KEYNOTE SPEAKER <i>Discussions</i>	University of Salerno, ITALY <i>AiCARR contribution to implementation of EU Directives: support the technical instrumentation of national laws, standards and formation</i>
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>A study of the features of air conditioning energy consumption in UK commercial buildings</i>
12:55 – 13:15	Prof.PhD.eng. Robert GAVRILIUC KEYNOTE SPEAKER <i>Discussions</i>	President of SRG, FII-UTCB <i>Cheap and efficient application of reliable ground source heat exchangers and pumps–new horizon 2020 research project & First data base with ground source heat pumps in Romania</i>
13:15 – 13:25	SPONSOR	Nemetschek Romania Sales & Support , General Manager Dan MORARU <i>BIM and energy efficiency</i>
13:25 – 13:45	Questions and answers & PRESS CONFERENCE	
13:45 – 14:30	LUNCH & SPONSORS AWARDS CEREMONY	Columns Hall
SESSION III	KEYNOTE PAPERS & TECHNICAL PRESENTATIONS	
14:30 – 16:30	Festivity Hall	
	Moderators Prof.eng. Francesca Romana D'AMBROSIO Prof.PhD.eng. Rodica FRUNZULICĂ Prof.assoc.PhD.eng. Florin BĂLTĂREȚU	Elected President of AiCARR, University of Salerno Head of HVAC Department, FII-UTCB Head of Thermotechnics Department, FII-UTCB
14:30 – 14:50	BSc (Eng), MA, Dip Eng Alan FOGARTY KEYNOTE SPEAKER <i>Discussions</i>	MCIBSE, UNITED KINGDOM <i>Overview of UK Building Regulations with a focus on energy Performance</i>
14:50 – 15:10	PhD.eng. Gilles NOTTON KEYNOTE SPEAKER <i>Discussions</i>	Laboratory Sciences for Environment – University of Corsica Pasquale Paoli, FRANCE <i>Building Integrated Solar Thermal Systems; Presentation and Zoom on the Solar Potential</i>
15:10 – 15:20	SPONSOR	EUROVENT CLIMA TRADING , Managing Partner PhD Cătălin CURMEI <i>Eurotubi – Press fitting – Optimized solutions</i>
15:20– 15:35	Prof.PhD.arch. Ana-Maria DABIJA KEYNOTE SPEAKER	'Ion Mincu' University of Architecture and Urbanism <i>A critical view of thermal rehabilitation of dwelling units in Romania</i>
15:35– 15:55	Louis BOISGIBAULT KEYNOTE SPEAKER <i>Discussions</i>	Université Paris-Sorbonne, FRANCE <i>How could the EU benefit from the COP 21 agreement?</i>
15:55– 16:05	SPONSOR	EUROPLASTIC Ltd. , General Manager Marcel Ionescu <i>Modern technologies in thermal insulation and waterproofing</i>

16:05 – 16:20 Prof.assoc.PhD.eng. Cătălin LUNGU President of AIIR Valahia, FII-UTCB & RCEPB Director
KEYNOTE SPEAKER *An innovative HVAC system using an integrated green house for indoor ventilation (TaLISMaN project)*

16:20 – 16:30 Questions and answers

16:30 – 17:00 *COFFEE BREAK* *Columns 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 STAMATIADE MDRAP, DGTC Manager
 Prof.ass.PhD.eng. Mihaela GEORGESCU Vice-president of OAER, UAIUM

- 17:00 – 18:00**
1. What are the key national factors for the success of the EU directives implementation (EPBD, EED, RES ...)?
 2. What is the role of the public national institutions?
 3. Professional associations could they help for a more smooth transition to a green economy?
 4. What are the formation needs of the workers, technicians, engineers and experts for ensuring the high quality of future nZEBs, RES systems and energy related equipment for building services?
 5. What are the key enablers and barriers to investment in the energy performance of buildings?
 6. What is the importance of EU funds for energy efficiency, at national states level?
 7. How can policy frameworks, business models and market design ensure that energy projects continue to attract investment?
 8. What is the new technologies role to achieve system efficiencies?

DISCUSSIONS

18:00 – 19:00



RCEPB 2016 LOTTERY & ENTERTAINMENT & NETWORKING COCKTAIL
(by Jetrun EnergoEco)

Columns Hall (Ground floor)

19:00 **TRANSFER FROM RCEPB TO THE HOTEL ROYAL**



Friday, June 3rd 2016

RCEPB 2016 PROGRAMME

21st CONFERENCE OF THE BUILDING SERVICES ENGINEERING FACULTY

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 – 11:15		
09:00 – 09:30	Prof.PhD.eng. Liviu DRUGHEAN PhD.eng. Ioan-Silviu DOBOȘI Prof.PhD.eng. Robert GAVRILIUC Eng. Laurențiu PLOSCEANU Prof.PhD.eng. Constantin ȚULEANU	Vice-rector of UTCB, President of AFCR Vice-president of REHVA, Vice-president of AIIR President of SRG, FII-UTCB President of ARACO President of AIIRM, REPUBLIC OF MOLDOVA
09:30 – 11:15	KEYNOTE PAPERS & TECHNICAL PRESENTATIONS	
	Moderators	
	Prof.assoc.PhD.eng. Andrei DAMIAN Prof.assoc.PhD.eng. Ilinca NĂSTASE PhD.eng. Nicolae ANTONESCU	Vice-president of UTCB Senate FII-UTCB, Head of CAMBI Research Center President of OAER Bucharest & FII-UTCB
09:30 – 09:50	PhD.eng. Fawaz MASSOUH KEYNOTE SPEAKER <i>Discussions</i>	Chargé de mission Relations Internationales, Arts et Metiers ParisTech, FRANCE <i>Development of the wake in case of horizontal axis wind turbine</i>
09:50 – 10:10	PhD.eng. Ioan-Silviu DOBOȘI	Vice-president of REHVA & AIIR <i>Rehabilitation of the Utility Spaces and Boiler Room Monnaie Royal Theatre, Brussels, Belgium</i>
10:10 – 10:20	Șerban DANCIU	BPIE, Country Initiative Manager <i>The increase of the energy performance of the existing building stock, a major target of the Romanian energy strategy</i>
10:20 – 10:40	PhD.eng. Andy LEWRY KEYNOTE SPEAKER <i>Discussions</i>	CEng, MIMMM, CEnv, SOE Sustainable Energy Team, Building Research Establishment (BRE) Ltd., UNITED KINGDOM <i>Ecoshopping: energy efficient & cost competitive retrofitting solutions for retail buildings – a review of best practice</i>
10:40 – 10:50	SPONSOR	GRUNDFOS Romania , Sales Engineer Marius BEȚIU <i>Hydraulic balancing for energy efficiency: New Alpha 3</i>
10:50 – 11:00	Volchok Denys	Prydniprovsk State Academy of Civil Engineering and Architecture of Dnipropetrovsk, UKRAINE <i>Analysis of rod systems under undefined load</i>
11:00 – 11:15	Questions and answers	



11:15 – 11:45

COFFEE BREAK

Columns Hall

SESSION VI

KEYNOTE PAPERS & TECHNICAL PRESENTATIONS

Festivity Hall

11:45 – 14:00

Moderators

PhD.eng. Fawaz MASSOUH
PhD.eng. Ioan-Silviu DOBOȘI
Prof.assoc.PhD.eng. Mihnea SANDU

Chargé de mission Rel.Int., Arts et Metiers ParisTech, FRANCE
Vice-president of REHVA & AIIR
President of ARISI, FII-UTCB

11:45 – 12:00

Eng. Adriana MILANDRU

Institute for Studies and Power Engineering –ISPE
Promotion of smart and integrated NZEB renovation measures in the European renovation market (NEZER project) - feasibility of nearly-zero-energy-building-renovation (NEZBR) over traditional renovation

12:00 – 12:10

Arch. Lavinia GRĂDIȘTEANU

University of Architecture and Urban Planning Ion Mincu
The latest uses of aerogel

12:10 – 12:20

Viktor PETRENKO

Prydniprovsk State Academy of Civil Engineering and Architecture, Dnipropetrovsk, UKRAINE
Estimation of indoor temperatures on condition that building envelope is damaged

12:20 – 12:35

PhD. eng. Daniela TEODORESCU

FII-UTCB
Optimising hydraulic installation for an existing swimming pool

12:35 – 12:50

Prof.assoc.PhD.eng. Iiunca Nastase

CAMBI Research Center, Technical University of Civil Engineering
Laboratory testing of innovative perforated panel for mixing ventilation

12:50 – 13:00

PhD student Andrei BEJAN

FII-UTCB
Numerical analysis of the impact of phase changing materials on operative temperature

13:00 – 13:10

Prof.assoc.PhD.eng. Tiberiu CATALINA

FII-UTCB
Noise propagation analysis in an office building using numerical simulations

13:10 – 13:20

PhD.eng. Galina Prica

FII-UTCB, AGFR member
Designing of an efficient geothermal system for heating and cooling a building

13:20 – 13:35

Monica Ardeleanu

Romania Green Building Council
What are the key enablers and barriers to investment in the energy performance of buildings

13:35 – 13:45

Marian-Andrei ISTRATE

FII-UTCB
Indoor air temperature in two classrooms before and after a thermal rehabilitation

13:45 – 14:00

Questions and answers

14:00

CLOSING of RCEPB 2016 and of the 21st CONFERENCE of FII-UTCB

14:00 – 15:00

LUNCH (for international guests)

15:00...15:30

DEPARTURE FOR DRACULA'S BRAN CASTLE TRIP



ACR – ROMANIAN ASSOCIATION OF CHIMNEY SWEEPERS
AFCR – REFRIGERATION AND CRYOGENIST ASSOCIATION OF ROMANIA
AGFR – THE ROMANIAN GENERAL ASSOCIATION OF REFRIGERATION
AICVF – FRENCH ASSOCIATION OF VENTILATION AND COOLING ENGINEERS
AIIR – ROMANIAN ASSOCIATION OF BUILDING SERVICES ENGINEERS
AIIRM – ASSOCIATION OF BUILDING SERVICES ENGINEERS FROM THE REPUBLIC OF MOLDOVA
AMR – ROMANIAN ASSOCIATION OF MUNICIPALITIES
ANRE – PUBLIC AUTHORITY FOR ENERGY REGULATION
ANRSC – NATIONAL REGULATORY AUTHORITY FOR LOCAL PUBLIC SERVICES
APMCR – ROMANIAN ASSOCIATION OF CONSTRUCTION MATERIALS PRODUCERS
ARACIS – AGENCY FOR QUALITY ASSURANCE IN HIGHER EDUCATION
ARACO – ROMANIAN ASSOCIATION OF CONSTRUCTION ENTREPRENEURS
ARISI – ROMANIAN ASSOCIATION OF FIRE SAFETY ENGINEERS
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
FII – BUILDING SERVICES ENGINEERING FACULTY
ISC – STATE CONTROL INSPECTORATE FOR CONSTRUCTION
ISCIR – STATE INSPECTION FOR CONTROL OF BOILERS, PRESSURE VESSELS AND HOISTING
MDRAP – MINISTRY OF REGIONAL DEVELOPMENT AND PUBLIC ADMINISTRATION
MENCS – MINISTRY OF NATIONAL EDUCATION AND SCIENTIFIQUE RESEARCH
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
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"
UTC – **TECHNICAL UNIVERSITY OF CIVIL ENGINEERING BUCHAREST**