

REHVA Annual Conference

April 19 - 20, 2012

HVAC Technology in Energy Retrofitting

Hotel Timisoara

Timisoara, Romania

The REHVA Annual Conference is organized in cooperation with the Romanian Installation Engineers Association (AIIR) and the Romanian General Association for Refrigeration (AGFR) in Hotel Timisoara. It is situated in the cultural and historic centre of Timisoara overlooking the Opera Square.

The 2012 REHVA Annual Conference will focus on HVAC Technology in Energy Retrofitting.

The range of topics includes:

- EU policy and regulations for building retrofitting
- Cost effective inspections for better energy efficiency
- Energy efficient equipment for retrofitting

Many other interesting topics will be covered and some case studies will also be presented.

THURSDAY 19 APRIL

08.30 – 10.30

Technical session 1:

EU policy and regulations for building retrofitting

Chair: Zoltan Magyar (Hungary) –
Liviu Dumitrescu (Romania)

- Opening of the conference
- Europe refurbishes - EU policies on energy efficiency for buildings
Clemens Haury, the European Commission, DG Energy
- Implementing EU policy and regulation in the Romanian policy and regulation for building retrofitting
Liviu Dumitrescu, AIIR, Eugen Curteanu, MDRT, Romania
- German policy/rules for cost efficient retrofitting
Michael Schmidt, University of Stuttgart, Germany

10.30 – 11.00 Coffee break

11.00 – 12.30

Technical session 2:

Energy use of buildings and systems

Chair: Jarek Kurnitski (Estonia) –
Olga Bancea (Romania)

- Energy use of buildings - Measured energy use in buildings and its break down
Hiroshi Yoshino, International Energy Agency, Annex 53, Sendai, Japan
- Toward the definition of reference buildings: results of IEE-Tabula project on European building stocks
Stefano P. Corgnati, TEBE Research Group, Italy
- Energy use of existing air-conditioning systems
Ian Knight, coordinator of IEE – iSERV project, UK

12.30 – 13.30 Lunch

13.30 – 15.00

Technical session 3:

Energy efficient HVAC systems for retrofitting

Chair: Stefano P. Corgnati (Italy) –
Florea Chiriac (Romania)

- French policy and regulations for retrofitting
Francis Allard, University of La Rochelle, France
- Air tightness of building envelope and ventilation systems
Rémi Carrié, TightVent project, France
- Low and nearly zero energy buildings
Jarek Kurnitski, SITRA, Estonia

15.00 – 15.30 Coffee break

15.30 – 17.00

Technical plenary session 4:

Energy efficient equipment for retrofitting

Chair: Ioan Silviu Dobosi (Romania) –
Iolanda Colda (Romania)

- Energy efficient HVAC retrofits for improving the indoor environmental quality
Bjarne W. Olesen, Technical University of Denmark
- HVAC Technology in Energy Retrofitting
Ansgar Thiemann, Daikin, Belgium
- Heat Pump Systems in retrofitting
Robert Gavriliuc, Florea Chiriac, Romania
- The trends, technologies, and standards for retrofitting in China
Prof. Xu Zhang, Tongi University Shanghai and China Committee of HVAC

19.00 – 23.00 Conference buffet dinner
Recas – Wine tasting

FRIDAY 20 APRIL

08.30 – 10.00

Technical session 5:

Inspections for better energy efficiency

**Chair: Bjarne W. Olesen (Denmark) –
Silviana Brata (Romania)**

- **Heating system efficiency and inspections**
*Karel Kabele, Czech Technical University,
Czech Republic*
- **Inspection of the Heating and Air
Conditioning Systems in Romania**
Octavia Cocora, Iolanda Colda, Romania
- **Energy efficiency by continuous
commissioning and balancing**
*Zoltan Magyar, University of Pecs,
Hungary*
- **Building labelling and sustainability in
retrofitting**
*Maija Virta, Finnish Green Building
Council, Finland*

10.00 – 10.30 *Coffee break*

Technical session 6:

Successful cases of energy retrofitting

**Chair: Karel Kabele (Czech Republic) –
Robert Gavriluc (Romania)**

- **Benefits of display energy certificates in
UK**
Donald Leeper, CIBSE, UK
- **Financing of retrofit – cost efficiency of
retrofitting**
Frank Hovorka, Caisse des Dépôts, France
- **Successful retrofitting of dwellings -
energy efficient and environmentally
friendly?**
Dusan Petras, SSTP, Slovakia
- **Aspects of buildings rehabilitation in
Romania**
*Ioan Silviu Dobosi, Adrian Retezan,
Romania*

12.00 – 12.30

Student competition awards

12.30 – 13.30 *Lunch*

13.30 – 15.00

Workshops

- **iSERV – a bench marking database for
energy use of air-conditioning**
*organised by Ian Knight and
Alex Vanden Borre*
- **Energy efficiency with certified products**
*organised by EUROVENT CERTIFICATION
(Erick Melquiond and Sylvain Courtney)*
- **Energy efficient pumping**
organised by WILO (Mihai Stroescu)
- **Heat pump technology in nearly zero
energy buildings**
*organised by DAIKIN and TOSHIBA
(Ansgar Thiemann and Cristian Iordan)*

15.00 – 15.30 *Coffee break*

10.30 – 12.00

15.30 – 17.00

Workshops

- **Inspection of air-conditioning systems**
organised by Nejc Brelih and Olli Seppänen
- **REHVA Guidebooks for refurbishment**
organised by Marija Todorovic
- **Energy efficient heating**
organised by VIESSMANN (Corina Rosu)
- **Technical and financing integrated
solutions for better energy efficiency in
Romanian buildings stock**
*organised by AIIR Banat Timisoara Branch
(Adrian Retezan and Ioan Silviu Dobosi)*

17.00 – 17.30

Closing session

**Chair: Michael Schmidt (Germany) –
Adrian Retezan (Romania)**

If you are interested in recent development in energy retrofiting, then you should attend the REHVA Conference and Annual Meeting in Timisoara. The conference brings together an international group of researchers, professionals and practitioners and who routinely improve the energy efficiency, operating costs, and environmental impacts of buildings. The organizers are striving to make the 56th conference in Timisoara a great and memorable event!

Registration and information

For more information and online registration please visit www.rehva-am2012.ro or contact office@dosetimpex.ro

Programme committee

Adrian Retezan, chair

Olli Seppänen, co-chair

Ioan Silviu Dobosi, secretary general

Travelling to Timisoara

Timisoara Airport offers nonstop flights to 32 cities.

Please visit <http://aerotim.ro/> for more information on flights.

REHVA, The Federation of European Heating, Ventilation and Air conditioning Associations is the leading professional organization in Europe, dedicated to the improvement of health, comfort and energy efficiency in all buildings and communities. REHVA connects European professionals in the area of building engineering services and represents more than 110 000 engineers from 26 European countries. REHVA's main activity is to develop and disseminate economical, energy efficient and healthy technology for mechanical services of buildings.

More information on www.rehva.eu

Contact information: info@rehva.eu

