



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

**Chairs: 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

**Chairs: 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

**Chairs: 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 – 17.30

Technical plenary session 4:

Energy efficient equipment for retrofitting

**Chairs: 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**
Otto Oberhumer, Daikin Europe
- **Heat Pump Systems in retrofitting**
Robert Gavriluc, UTCB, Florea Chiriac, AGFR, Romania
- **The trends, technologies, and standards for retrofitting in China.**
Xu Zhang, Tongi University Shanghai and CCHVAC, China

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

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

- **Heating system efficiency and inspections**
Karel Kabele, CTU Prague, Czech Republic
- **Inspection of the Heating and Air Conditioning Systems in Romania**
Octavia Cocora, UTCB, Iolanda Colda, UTCB, 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*

10.30 – 12.00

Technical session 6:

Successful cases of energy retrofitting

**Chairs: Karel Kabele (Czech Republic)
Robert Gavriiliuc (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, AIIR, Adrian Retezan, AIIR, 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**
*Organized by TRC REHVA
Ian Knight and Alex Vanden Borre*
- **Energy efficiency with certified products**
*Organized by EUROVENT CERTIFICATION
Sandrine Marinhas and Sylvain Courtey*
- **Energy efficient pumping**
Organized by WILO – Mihai Stroescu
- **Heat pump technology for low energy buildings and retrofitting**
*Organized by DAIKIN and TOSHIBA
Bart Van Reeth and Cristian Iordan*

15.00 – 15.30 *Coffee break*

15.30 – 17.00

Workshops

- **Energy efficiency in HVAC – a new Guidebook for building owners**
*Organized by TRC REHVA
Nejc Brelih and Olli Seppänen*
- **REHVA Guidebooks for refurbishment**
*Organized by TRC REHVA
Marija Todorovic*
- **Energy efficient heating**
Organized by VIESSMANN – Corina Rosu
- **Technical and financing integrated solutions for better energy efficiency in Romanian buildings stock**
*Organized by AIIR Banat Branch
Adrian Retezan and Ioan Silviu Dobosi*

17.00 – 17.30

Closing session

Chairs:

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

