

XVth Anniversary European ABOK-EHI Symposium

“Innovative Energy-Efficient Equipment for Building Heating Supply, Water Supply and Climate Control. Regulatory Updates and Green Building Technology”

together with the XVth international specialist exhibition
SHK moscow – 2011.

Date:

18–20 April 2011

Venue:

Expocenter International Exhibition Complex, Krasnaya Presnya,
Moscow.

Symposium Organisers:



Heating, Ventilation, Air Conditioning, Heating Supply
and Construction Thermophysics Engineers Nonprofit
Partnership (NP ABOK)



European Heating Association (EHI)



Messe Düsseldorf GmbH



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SYMPOSIUM PROGRAMME

18 April 2011 (Monday)

11.00 a.m.–05.00 p.m.

Forum: “Energy Conservation and Energy Efficiency: Completed Projects and Innovative Technical Solutions”

Session topics:

- Regulatory support for Federal Laws and RF Government Resolutions on energy conservation and energy efficiency improvement.
- Architecture of energy-efficient technologies.
- Energy conservation and energy efficiency – new regulations, completed projects and prospects for Moscow construction.
- Energy efficiency and renewable energy sources: State-of-the-art experience in domestic and foreign industry.
- “Green Construction”:
a national rating system for building assessment.
- Energy-efficient buildings with zero energy consumption.
- Current status and prospects of the development of a world climate equipment market.
- New regulatory support for installation and setup of heating and ventilation systems.
- Self-regulation in the construction industry as a way of improving design reliability and quality and protecting company interests.

05.00 p.m.–6.00 p.m.

Golden Pen Prize Winner Award Ceremony; Award of Certificates of Merit to Symposium Partners and New Members of NP ABOK

19 April 2011 (Tuesday)

10.00 a.m.–02.40 p.m.**Section: “Innovative Technologies for Creating Comfort in Residential and Public Buildings”****Session 1: Ventilation, Air Conditioning and Cooling Supply****Session topics:**

- Updating of the Building Code, “Ventilation and Air Conditioning”.
- Basic guidelines for energy conservation in ventilation and air conditioning systems of public buildings.
- Comparison of various types of ventilation and air conditioning systems for public multipurpose buildings: circuitry, optimal selection.
- Recommendations for design and operation of ventilation and air conditioning systems of multipurpose buildings.
- Exploiting the potential of outdoor air in building air conditioning systems.
- Thermally active building structures for building cooling systems.
- Modern equipment and innovative technologies in climate systems of public buildings.

03.15 p.m.–05.00 p.m.**Round Table: “Energy-Efficient Thermal Protection of Enclosing Structures”****Session topics:**

- Status of energy consumption in Russia compared to other countries. Climate features of Russia. Purpose of the policy of improving energy efficiency in construction.
- Standardized heat transfer resistance of enclosing structures: the main thermal protection characteristic of an enclosing structure.
- Setting standards for building thermal protection based on an energy savings criterion.
- Setting standards for thermal protection of enclosing structures based on a health and safety criterion.
- Element wise standard-setting of heat transfer resistances of enclosing structures.
- Economic assessment of increasing the thermal protection of an enclosing structure.

20 April 2011 (Wednesday)

10.00 a.m.–02.00 p.m.**Section: “Innovative Technologies for Creating Comfort in Residential and Public Buildings”****Session 2: Heating and Heating Supply****Session topics:**

- Implementation of Federal Law 190-FZ, “On Heating Supply”.
- Modern thermal energy generators for offline heating supply systems of residential and public buildings.
- New rules for metering thermal energy under the law, “On Heating Supply”.
- Apartment-by-apartment metering of heat consumption in heating systems.
- The energy audit as an area of government policy and opportunity for business.
- Innovative approaches to the design of heating systems using modern heating equipment.
- Calculation of heat consumption of operational residential buildings.
- Modern equipment and innovative technologies of heating and heating supply systems.

02.30 p.m.–05.00 p.m.**Section: “Innovative Technologies for Creating Comfort in Residential and Public Buildings”****Session 3: Water and Sewer Systems****Session topics:**

- Assessing the quality of sewer-system materials and equipment on the Russian market.
- Experimentation and implementation of systems for metering hot and cold water consumption in housing systems.
- Modern equipment and innovative technologies of water and sewer systems.
- Operation of water and sewer systems.

ASSOCIATED ACTIVITIES

18 April 2011 (Monday)

02.00 p.m.–05.00 p.m.

ABOK Master Class “**Ways of Organizing Air Exchange:
Defining Air Exchange; Computational Methods**”

19 April 2011 (Tuesday)

10.30 a.m.–04.00 p.m.

ABOK Master Class “**Treatment and Prevention Facilities:
General Requirements for Design of Heating, Ventilation
and Air Conditioning Systems**”

20 April 2011 (Wednesday)

10.30 a.m.–04.00 p.m.

ABOK Master Class “**Design of Utility Systems for Climate Control
of Sports Facilities (ice arenas, swimming facilities)**”

04.30 p.m.–06.30 p.m.

ABOK Workshop “**To keep in touch with Media: How and What for?
Technologies of promotion for engineering companies**”

Organizing Committee:

☎ +7/495/699-3190, +7/495/699-3840

potapov@abok.ru, www.abok.ru

Contact: Vadim Potapov