

**SHK-MOSCOW 2007**  
**XI European ABOK - EHI Symposium**  
**"Modern Energy-Efficient Equipment for Supplying Heat**  
**and Creating Climate in Buildings.**  
**The Technologies of a Smart Building"**

**Symposium was organized by Russian Association of Engineers for Heating, Ventilation, Air-Conditioning, Heat Supply and Building Thermal Physics (AVOK) together with The association of European Heating Industry EHI in cooperation with Messe Dusseldorf and Messe Dusseldorf Moscow.**

For three days of work of the Symposium **480** experts have taken part.

Geography of experts:

Moscow, Archangelsk, Bryansk, Vologda, Voronezh, Dzerzhinskiy, Dubna, Ekaterinburg, Ivanovo, Irkutsk, Kaluga, Obninsk, Kirov, Kovrov, Krasnodar, Krasnodarskiy edge, Krasnoyarsk, Kurgan, Saransk, Moscow area, Lower Novgorod, Novokuybyshevsk, Novosibirsk, Omsk, Eagle, Mcensk, Penza, Rostov-on-Don, Samarium, Saint Petersburg, Saratov, Smolensk, Smolenskaya area, Syzrani, Tveri, Toliyatti, Tula, Tuliskaya area, Tymen, Uliyanovsk, Ufa, Uhta, Chelyabinsk, Chernogolovka, Elektrostal, YArosavl. The countries of abroad: Germany, Belarus, Ukraine, Kazakhstan, Japan, Mongolia, Finland, Belgium, Italy, Armenia.

**THE RANK OF EXPERTS:**

**IN TOTAL:**

● Executives	46%
● Managers, engineers, designers	49%
● Others (scientific employees, press, students)	5%

**FROM MOSCOW:**

● Executives	41%
● Managers, engineers, designers	53%
● Others (scientific employees, press, students)	6%

**FROM REGIONS:**

● Executives	51%
● Managers, engineers, designers	45%
● Others (scientific employees, press, students)	4%

Work of XI European Symposium "**Modern energy effective equipment for heat supply and climatization of buildings. Technologies of intelligent building**" passed within the framework of the following sessions:

**Forum "Innovational Technologies of the XXI Century for Heating and Climate Control of Buildings"**

*This was the event of presentation of modern construction concepts for buildings of the XXI century, use of alternative energy sources, actuality and future of heating and ventilation regulatory documents, the latest directives of the European Community and their influence on national standards (using Germany as an example).*

*We also reviewed technical innovations in the equipment and technologies used in the field of heat supply, heating and cooling presented at SHK MOSCOW 2007 Expo.*

*Presentation of a new publication from Technical Library NP "AVOK" «HVAC for High-rise Multifunctional Buildings» was made*

#### **Seminar "Innovational technologies for comfort. Ventilation and air conditioning, cooling »**

*This Seminar started with an overview and analysis of new equipment and technologies presented at SHK MOSCOW 2007 Expo.*

*The key issues of this Seminar was: recommendations on design and operation of multifunction buildings, experience in design and operation of technical systems for multistory residential complexes of Moscow, microclimate control systems for office buildings, modern solutions for uninterrupted functioning of technological equipment in premises with high heat surpluses, comparison of VRV air conditioning systems with fan coils, multi-zone air conditioning systems with gas heat pump.*

*Presentation of new a publication from Technical Library NP "AVOK" «Heat Losses in Buildings » was made*

#### **Seminar "Innovational technologies for heat-energy conservation and heating systems; metering and billing systems ".**

*This Seminar began with an overview and analysis of new equipment and technologies in the field of heating and heat-energy conservation presented at SHK MOSCOW 2007 Expo.*

*This Seminar addressed the issues of setting up mini thermal power plants, boiler rooms, individual energy sources, separate dwellings' heat supply systems, and the use of absorbing refrigeration plants.*

*The main issues were dealing with metering and billing for heating energy consumed in residential and public buildings, peculiarities of infrared heaters for industrial premises heating, the ways for further perfection of heat and water supply pumps, as well as the issues dealing with conformity of heat and hydraulic characteristics of heating devices available in the Russian market to their actual designations.*

#### **Seminar "Intellectual building construction technologies".**

*This Seminar began with an overview and analysis of new equipment and technologies in the field of buildings' management presented at SHK MOSCOW 2007 Expo.*

*The main issues addressed by this Seminar were: technical equipment automation and control systems in various buildings, from individual houses to multistory buildings, as well as global standardization tendencies and tasks faced by committee of NP "AVOK", BACnet, LonWorks, KONNEX protocols technologies - experience in application in Russia, complex solutions for construction of an intelligent building. This Seminar was also used for presentation of draft Standard of NP "AVOK" "Buildings automation and control systems. Part 3. Functions".*

#### **Seminar "Efficient technologies in water supply and sewerage".**

*The Seminar began with an overview and analysis of new equipment and technologies in the field of water supply and sewerage presented at SHK MOSCOW 2007 Expo.*

*The Seminar addressed issues related to improvement of economic efficiency in sales of water supply products, analysis of efficiency of water supply and sewerage systems, issues related to metering and billing for water consumption in residential buildings, the ways of further perfection of water supply pumps, current status and future perspectives of the regulatory structure's development, modern equipment and innovational technologies for water supply and sewerage systems. Water treatment and wastewater treatment systems technologies. Pipes and fittings available in the Russian market.*

*Presentation of a new publication from Technical Library NP "AVOK" "English-Russian and Russian-English dictionary of water supply waste water and water protection terms"*

Round Table No. 1

**Training seminar "Software MagiCAD for heating, ventilation, air conditioning and heat supply systems. Design, calculations, equipment selection"**

Round Table No. 2

**Modern trends of the designing the high-rise buildings**

Workshop of AVOK

## **“Peculiarities of all-year air conditioning systems design in areas with cold climate”**

It has become a good tradition at the symposia to award new corporate and individual members of NP ABOK with special diplomas. This time the diplomas were presented to 24 companies and 5 individuals.

It would be safe to assert that the SHK Moscow - 2007 exhibition coupled up with the annual European Symposium has become a major centre of business activity. This double event helped consolidate companies, liven up the market, increase the value of the producers and collectively overcome difficulties in the field. All this is yet another good reason to extend our welcome to you for the next year event scheduled for May 2008

### **Organizational Committee:**

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