The Climate World Expo unites the expo and the congress in one place

The business program 2022 is expected to be one of the highlights of the fair, and an excellent networking opportunity for the biggest names in the HVAC&R industry. It poised to deliver business sessions, panel discussions, round table meetings, educational events, professional competitions, workshops, lectures as well as innovative technologies presentations.

The main topics of the Congress 2022 will be sustainable development, energy efficiency, and innovative technologies. It will address the major issue facing the HVAC&R industry today including the following questions:

• The Future of the HVAC/R Industry: Global Trends

• How did the crisis caused by COVID-19 affect the development of the market?

• Energy saving tools in new and old buildings: what makes them sustainable, ultra-efficient and fulfilling people’s needs

• Cities of the future in Russia and the world: logical development or urban planning solutions imposed from the outside?

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| **1st of March** |
| **Time/Hall** | **Events** |
| 11:30-12:00White Media Hall | **Opening of the exhibition Climate World Expo 2022****Organizer:** Climate World |
| 12:00-13:30White Media Hall | Strategic session**The Future of the HVAC/R Industry: Global Trends****Organizer:** Climate WorldThe HVAC/R sector is undergoing an intense period of transformation driven by new market demands and innovative technological solutions.During the session speakers will address important issues in the HVAC/R sector, and what companies should expect going into 2022. **Topics for discussion:*** New challenges and opportunities;
* Market research about impact of COVID-19 on the HVAC/R field;
* Trends that are changing the HVAC/R industry.

**Speakers:** **Inna Collet**, HVAC-R Market Intelligence Analyst, Eurovent Market Intelligence **Vincent Breucq**, Director of the L’Oréal plant in Vorsino Settlement**Georgy Litvinchuk**, Marketer, Director of «Litvinchuk-Marketing»**Sergey Kozhevnikov**, Director “Panasonic Rus. Ltd.”**Dmitry Klimov**, Head of the Engineering Department «APEX-Project Bureau» **Emil Sultanov**, Head Mathematical Modelling Group, «APEX-Project Bureau» |
| 12:30-13:30Stand and APIC space | **Presentation of training programs: APIK С1, SP, С2, С3 (installation and SKV service)****Organizer:** APIC  |
| 13:30-14:00Stannd and APIC | **Presentation of the YouTube Channel APIC «АPIC RUSSIA»****Organizer:** APIC  |
| 14:00-15:30White Media Hall | Expert session **Energy-efficient technologies: A complex approach.****Organizer:** Climate WorldTechnologies in the HVAC/R field and in building automation systems are becoming more popular because the sector is undergoing an intense period of transformation driven by new market demands and innovative technology solutions. Some of these newer technologies have already become standard in the field. Topics to consider: How to make different technologies work together? What data will help to reduce energy consumption in buildings? What intellectual products are useful? During this session, experts in the field will share their experiences of how they implemented smart engineering systems and how they overcame challenges to design energy-efficient buildings. **Moderator:****Alexey Kuteynikov**, General director, portal FORUMHOUSE**Speakers:****Philip Dreper**, Vice Chair at CIBSE HVAC Group**Andrey Morgunov**, General Engineer, Business Center Amalteya (Skolkovo) **Yuri Hahanov**, Direction Acceleration Director "Urban Technologies" of the Cluster of Energy Efficient Technologies, Skolkovo Foundation **Evgeny Samarov**, Independent expert on exploitation of property objects **Vladimir Vyatkin**, Technical consultant «Pervostroitel» company |
| 14:00-15:00Stand and APIC space  | **Presentation of training programs MP1 (calculation of heat flows and ID diagram)****Organizer:** APIC  |
| 15:00-16:00Stand and APIC space  | **Presentation of training programs MP3 (designing refrigeration centres)****Organizer:** APIC  |
| 15:50-16:30White Media Hall | **Panasonic`s advanced solutions for climate industry techniques** **Organizer:** PanasonicPanasonic strives for perfection, a quality that has made the company a world leader in the field of air conditioning systems. Its large production capacity and unwavering effort to protect the environment has allowed Panasonic to widen its research and create technology to help increase standards of living. During this session, the company will address how Panasonic has used new technologies to reduce capital expenses in air conditioning, ventilation and heating systems. Speakers will also present on modern technology in systems management based on Panasonic’s climate control equipment and technological solutions aimed at improving indoor air control.**Speakers:****Maksim Sotnichenko**, Leading Engineer, Panasonic Corporation |
| 16:00-18:00Stand and APIC space | **Preparation of equipment for the competition «Climate Experts - 2022». Registration of competition participants****Organizer:** APIC  |
| 16:40-17:40White Media Hall | **SICCOM Academia: Condensate pumps and their applications**Company SICCOM – producer pumps for removing condensate. Our vision of the climate market and trends. Our innovations, solutions for installers for fast and correct installation. * Fast growing market
* Removing condensate
* Pumps for removing condensate and its usage
* Company SICCOM’s innovations

Tips for fast installation **Organizer:** company SICCOM |
| **2nd of March** |
| **Time/hall** | **Events** |
| 10:00-11:00Stand and APIC space | **Registration of participants for competition «Climate Experts - 2022»****Organizer:** APIC (the Russian Association of Professionals) |
| 10:30-13:00Blue Hall | Conference**Systems of ventilation for flats****Organizer:** «AVOK»Topics of the conference:* Designing ventilation systems for flats;
* Wall intake and cleaning complexes;
* Managing air humidity in living spaces;
* Wall intake and suction installations;
* Canal intake and suction installations;
* Ventilation with recuperation;
* Improving heating efficiency and uses.

**Moderator:****Prof. Brodach Marianna Mihaylovna**, Vice President of «AVOK», Professor of the Department, Moscow Architecture Institute**Kolubkov Aleksander Nikolaevich**, Vice President of «AVOK», Director of Design and Producing company «АК» |
| 10:30-12:00White Media Hall | Meeting of industry bloggers and marketing specialists **Key players of the market. Modern trends in marketing.****Organizer:** Climate WorldThe HVAC/R field will consider the important role of contractors. It is often assumed they make the final decisions about purchases. What is the difference between contractors and technical specialists? And how can distributors optimize their sales strategies to satisfy the demands of both parties?This session will address how to build better relations with clients, achieve more brand loyalty, and implement new marketing strategies through strategic collaborations with industry leaders. **Moderator:****Irina Smorygo,** Business coach; Founder of the first YouTube reality show about repairing «Repairing without money»; 20 channels for business on YouTube**Speakers:****Andrey Loshkarev**, Author of channel «Everything on mind» **Andrey Spinu**, professional Installer and Blogger; #Mister X Pro**Maxim Savinov**, Director, company «August-climate»**Roman Fedorov**, Author of channel «Conditionings and everything connected with them»**Olga Ivanova**, Marketing Director in Russia and the CIS, «SIEGENIA» company |
| 11:00-13:00Stand and APIC space | **1st part of Competition**Testing (answers for control questions) participants of the competition**Organizer:** APIC  |
| 12:30-14:00White Media Hall | Panel Discussion **Energy-efficient modernization: capital repairs in apartments****Organizer:** Climate world **Topics for discussion:*** Analyse the capital repair of apartment houses and the implementation of energy-efficient technologies;
* Assess the efficiency of different technologies used during capital repairs of apartments and houses;
* Address issues that arise with building owners: How to persuade owners to make energy-efficient capital repair;
* Energy-efficient capital repairs in Russia.

**Moderator:****Sergey Sohranov**, Executive Director, Non-commercial Partnership «Housing and Communal Services Control»**Speakers:****Aleksander Evseev**, Chairman, Public Organization of Consumers of Housing and Communal Services «Association Councils of Houses Udmurt Republic» **Yury Memenov**, Director, «Regional Capital Repair Centre» (city Perm)**Roman Sheps**, Candidate of Technical Sciences, Director of Centre for Additional Education, Associate Professor of Department of Housing and Communal Services, Voronezh State Technical University **Sergey Sivaev**, Professor of the Higher School of Urbanism, National Research University «Higher School of Economics»**Pavel Stepura**, Head, «House and Yard» project**Leonid Bogdanov**, Deputy Director of Department for Audit of Regional Development and Housing and Communal Services, Accounts Chamber of Russian Federation **Vera Moskvina**, Executive Director, Association "Non-profit Partnership Self-Regulatory Organization" Interregional Guild of Management Companies in Housing and Communal Services" |
| 13:00-17:00Stand and space APIC |  **2nd part of Competition****Organizer:** APIC * Balance of air flow in ventilation installation will be presented at the exhibition stand AIRDIN. The quality of work and time management will be evaluated.
* Diagnostics of defects will be presented on the exhibition stand – imitator VRF-system on the base MH KX R6. Time management and correct diagnostic of defects will be evaluated
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| 14:30-17:00Blue Hall | Master-Class**Designing modern systems of ventilation and air conditioning in multi-unit housing complexes.** Organizer: Non-commercial Partnership «AVOK»Topics of master-class:* Ventilation;
* Air conditioning and cold storage supply;
* Technologies of informative modeling as means of implementing customer requirements.

**Moderator:****Prof. Brodach Marianna Mihaylovna**, Vice President of «AVOK», Professor of the Department, Moscow Architecture Institute**Kolubkov Aleksander Nikolaevich** , Vice President of «AVOK», Director of Design and Producing Company «АК» |
| 14:40-16:10White Media Hall | Roundtable Discussion**Energy-efficiency in buildings****Organizer:** AVOK North-West**Topics for discussion:*** Energy efficiency — has it all been said or not? A digital approach and new point of view;
* Digital design is an important tool for improving energy efficiency;
* Energy savings and increasing efficiency in the sphere of building, housing and communal services;
* Government policy in the field of energy supply, increase energy efficiency and ecology.

**Speakers:****Alexander Grimitlin**,President, АС «AVOK North-West»; Vice-President, National Unification of Prospectors and Designers, National Union of Energy Saving**Rashid Artikov**, Deputy Chairman of the Competence Centre for Resource Saving, Energy Efficiency and Ecology **Vera Burtseva**, General Director, Technique Bureau |
| 16:20-17:50White Media Hall | Roundtable Discussions **Designing ventilation and air cleaning systems****Organizer:** AVOK North-West**Topics for discussion:*** Ventilation and air cleaning in industrial buildings;
* Energy-efficient vent covers;
* Industrial climate research.

**Speakers:****Alexander Grimitlin**,President, АС «AVOK North-West»; Vice-president, National Unification of Prospectors and Designers, National Union of Energy Saving**Andrey Strongin**, Head of the Laboratory of NIISF RAASN**Georgiy Litvinchuk**, General Director, Marketing Agency «Litvinchuk-Marketing» |
| 17:00-18:00Stand and APIC space | **Summarizing results and winners awarding** **Organizer:** APIC  |
| **3rd of March** |
| **Time/Hall** | **Events** |
| 10:30-13:30Blue Hall | Conference**Information Modeling Technologies and Building Engineering Design Software****Organizer:** Non-commercial Partnership «AVOK»Topics of conference:* Software and online services for the modern design of building engineering systems;
* Calculation programs for choosing elements and parameters of engineering support systems for buildings and construction;
* Programs for managing engineering systems of buildings;
* Libraries for BIM-modeling of equipment.

**Moderator:****Prof. Brodach Marianna Mihaylovna**, Vice President of «AVOK», Professor of the Department, Moscow Architecture Institute**Kolubkov Aleksander Nikolaevich**, Vice President of «AVOK», Director of Design and Producing Company «АК» |
| 10:30-11:45White Media Hall | Panel Discussion​​**Cities and buildings of the future in Russia and around the world**Organizer: Climate World​​City populations are rapidly growing all over the world, and the number of residents in some cities are expected to double by 2050. Additionally, the COVID-19 pandemic has added new criteria to maintain a healthy environment, while architectural and infratentorial objects require the implementation of more complicated and effective engineering systems. The HVAC/R sector is important in providing a higher standard of living in regard to housing, social and urban spaces. Its importance will continue to grow in the near future. Is it possible to combine city development and environmental protection? What are some trends in sustainable office and residential design? How do we design standards that will last for 20 years or more?**Moderator:****Kirill Gorozhanin**, CEO Gork Studio**Speakers:****Alina Efimovich**, Associate Director, Chapman Taylor**Daria Tolovenkova**, Kazan's Deputy Chief Architect**Sergey Levin,** Chief Engineer and Manager, «Capital Group»**Anna Zavaleeva**, President and Partner, Company HPBS **Julius Borisov,** the Co-founder of UNK Project Bureau |
| 11:00-13:00Stand and APIC space | **Project «Verification of ventilation equipment»****Organizer:** APIC  |
| 12:00-13:30White Media Hall | Panel discussion**Ventilation systems of the future. What must become the new normal?****Organizer:** Climate WorldThe COVID-19 pandemic has dramatically damaged the market and greatly impacted attitudes towards ventilation and air conditioning systems. The pandemic has also inspired ideas about sustainable design and buildings. Proper ventilation has been a primary issue in dealing with COVID-19 health problems and the effort to return to normal. We now have an opportunity to rethink engineering solutions from the last century, learn lessons from the past and transform the field for the future.**Moderator:****Alexander Gudko**, Editor-in-chief of  S.O.K. Magazines (Sanitary Engineering, Heating, Air Conditioning)**Speakers:****Jerome Antoine Bonhomme**, Director of the Representative Office, AEREKO JSC in Russia **Albert Nasibulin**, Professor at Skolkovo Institute of Science and Technology**Dmitriy Dolgikh**, Author of the Channel «Dmitry\_HVAC Ventilation and Air Conditioners»**Pavel Shaposhnikov**, Author of Channel «Ventilation Apartment and House»**Sergey Kozhevnikov,** Head ofConsumer Electronics Division, Panasonic Russia**Participant of discussion:****Maksim Savinov**, Director, Company «August-Climate» |
| 13:00-14:00Stand and APIC space  | **Competition «CLIVET-HVAC PROJECTS– 2021, 2022»****Organizer:** APIC  |
| 13:30-14:10White Media Hall | Presentation **Nanoe™ Technology****Organizer:** Panasonic CorporationNanoe is an electrostatic atomization technology designed by Panasonic. The nanoe generator condenses humidity from the air, and under high tension, produces hydroxyl radicals contained in water. After the presentation, you will learn about how this technology works and how you can apply it to life and the industry. **Speakers:****Tatsuro Naka**, Deputy Head of Department, Panasonic Corporation**Maxim Sotnichenko**, Head Engineer, Panasonic Corporation |
| 14:00-15:00Stand and APIC space | **Seminar on problems import/export refrigerants and equipment filled with them in 2022** **Organizer:** APIC  |
| 14:30-16:15White Media Hall | Final of the competition Russian Union of the Refrigeration Industry «CLIMATE WORLD COLD - 2022»**The best solutions and equipment in cold storage supply. Projects presentation and winners award.** **Organizer:** Russian Union of the Refrigeration IndustryThe first-ever Russian Union of the Refrigeration Industry competition took place in 2020 and demonstrated its activity and popularity among field enterprises in this event. Competition of Russian Union Refrigeration Industry takes place with support of «Euroexpo», APIC, WorldSkills with the next nominations:* projects
* education
* equipments and materials
* companies
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| 14:40-17:40Blue Hall | Conference**Climate installations for extreme hot and cold conditions** Organizer: Non-commercial Partnership «AVOK»* Principles of work and technical features;
* Heat carriers;
* Schemes of working with air;
* Recirculation of air.

**Prof. Brodach Marianna Mihaylovna**, Vice President of «AVOK», Professor of the Department, Moscow Architecture Institute**Kolubkov Aleksander Nikolaevich**, Vice President of «AVOK», Director of Design and Producing Company «АК» |
| 15:00-16:00Stand and APIC space | **Presentation of new lines and equipment from partner companies. APIC, (Beaufort, Daichi, Aerdin, Testo, Ratorika, VК Теchno)****Organizer:** APIC  |
| 16:00-18:00Stand and APIC space | **Seminar on installation and technical service ventilation and conditioning systems** **Organizer:** APIC  |
| 16:30-18:00White Media Hall | **General meeting of members of Russian Union of Refrigeration Enterprises****Organizer:** Russian Union of Refrigeration EnterprisesThere will be summarized results of work done by the Russian Union Refrigeration Industry in 2021, and plans for 2022. |
| **4th of March** |
| **Time/Hall** | **Events** |
| 10:30-12:30Blue Hall | Conference Russian Union Refrigeration Industry**Business and education – Russian Union of Refrigeration Enterprises (ROSSOYUZKHOLO DPROM)** **Organizer:** Russian Union of Refrigeration EnterprisesAt the focus of discussion:* Competitiveness of graduates;
* Readiness of universities to prepare specialists for the future;
* Problems of preparation demanded by employers;
* Modern approaches to prepare employers, and working professions as a base of the effectiveness of the economy ;
* Continued «college-university»: coherence of standards in employer preparation.
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| 10:30-11:45White Media Hall | **Discussion:****Popularization of HVAC/R field and new educational programs** **Organizer:** Climate WorldHVAC/R field has emerged as one of the mosts important sectors during the pandemic. Technical HVAC/R specialists are responsible for the quality of indoor airflow which has been shown to impact the spread of the virus and the storage of COVID-19 vaccines. During this session we will talk about how to make HVAC/R industry attractive for the younger generation — a generation that brings new ways of thought, values and skills to the industry. How should the industry create educational programs to best correspond to market demand and modern technological designs? How do we find young talented candidates to join the sector and motivate them to succeed?**Moderator:****Alina Postovalova**, Deputy Director, NIISF RAASN**Speakers:****Samvel Sargsyan**, Associate Professor, Candidate of Engineering SciencesDirector of Scientific Research Centre «Heat and Gas Supply and Ventilation», Moscow State Building University**Vasily Afonin**, Blogger and Specialist in the field of repair and maintenance of air conditioners**Irina Vasilenko**, General Manager, «Professional Cold Training Centre»**Roman Fedorov**, Author of the Channel «Air Conditioners and Everything connected with them»**Evgeniy Chashin**, Blogger and specialist on installation ventilation and conditioning systems; #King Micro climate |
| 12:00-13:00White Media Hall | Master Class**Blog in social media as instrument for sales** **Organizer:** Climate WorldSocial networks provide endless growth opportunities for big business and specialists: One social media post can reach more people than multiple publications in traditional media. How can you use blogging to help shape community and build trust? What do you need to do to stand out from other professionals in the market and attract people to your blog? This master class is useful for people who would like to easily find clients and become ambassadors of famous brands or owners of a company.**Speaker:****Olesya Rozhkova**, Marketing Communication Expert; Member of the CIS Speakers Association; Business Trainer |
| 12:30-13:50Blue Hall | **School of young Scientists by Professor Kalninya****Organizer:** Russian Union of the Refrigeration IndustryThe School of Young Scientists by Professor Igor Martinovich Kalninya has been held annually since 2015. This year will commemorate 90 years since the birth of Kalninya (1932–2015), an honoured worker of Russian Science Professors, an academic from the International Academy of Refrigeration, a doctor of technical sciences, and the head of the department «Technique of low temperatures by Kapitsa». |
| 14:00-15:40Blue Hall | **Seminar** Russian Union of Refrigeration Enterprises**Russia’s industrial production in the field of refrigeration industry** **Organizers:** Autonomic Non-Commercial Organization «Expertise Union» Trade Industrial Chamber of Russia; Russian Union of enterprises of refrigerated industry Target audience of the seminar–producers of industrial products of refrigerator field:* Companies managers;
* Main constructors, engineers, designers;
* Commercial and financial directors;
* Managers and specialists of sales department;
* Managers and specialists of tender department.
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