

Khimia 2020

The 23rd International Exhibition

Event Program*

October 27, 2020, Tuesday

11:00—11:45 **Official Opening Ceremony of Khimia 2020**
Pavilion 2, Hall 2, Conference Hall

12:00—15:00 **8th Moscow International Chemical Forum Plenary Session on the Competitiveness of the Russian Chemical Industry in the New Economic Reality, and the Overcoming the Consequences of the Covid-19 Pandemic**

Organised by the Russian Ministry of Industry and Trade, the Russian Chemists Union, EXPOCENTRE AO

Speakers:

Viktor Ivanov, President of the Russian Chemists Union

Mikhail Ivanov, Deputy Minister of Industry and Trade of the Russian Federation

Yulia Orlova, Senior Partner at Deloitte in Russia
Natalia Ermakova, Managing Director, Head of the Industrials Division of Sberbank PAO

Aleksandr Mazhuga, Head of the Mendeleev University of Chemical Technology of Russia

Timur Khalitov, Director General of the Nizhniy Novgorod Region Development Corporation, Presentation of the Kulibin Special Economic Zone in the Nizhniy Novgorod Region

Zhanna Martynova, VladVneshServis analytics agency Director General and founder, a member of the International Economic Activity Committee of the Russian Chamber of Commerce and Industry, an expert in identifying promising foreign trade markets in Russia

Free

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Pavilion 2, Hall 2, Conference Hall

15:30—17:00 **8th Moscow International Chemical Forum Session on Chemistry for Pharmaceuticals: Import Substitution and Development**

Organised by the Roshimreaktiv Association, the Russian Chemists Union, EXPOCENTRE AO

Moderated by Irina Vendilo, Director General of the Roshimreaktiv Association

Topics:

— Providing the pharmaceutical industry with intermediates and chemical components: the lessons from the global pandemic

— Barriers to the import substitution of chemical components in the pharmaceutical industry

— The chemical and pharmaceutical industry in Russia: cooperation horizons

Invited participants: heads of chemical and pharmaceutical companies, representatives of chemical R&D centers, industry research institutes, engineering companies, as well as relevant ministries and authorities

Free

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Pavilion 2, Hall 2, Conference Hall

October 28, 2020, Wednesday

11:00—13:00 **8th Moscow International Chemical Forum Session on New Oil Refining and Petrochemical Technologies to Improve Environmental Safety of Production**

Organised by the Russian Chemists Union, EXPOCENTRE AO

Invited participants: ECT Center, ReinnoIC, Haldor Topsoe, AMT Production, SKTB Katalizator, LG Avtomatika, Modum Lab

Programme:

New technologies of Gazprom Neft PAO: propanol and methyl ethyl ketone production - Aleksey Knyazev, Director General of ECT Center

Increase of operational efficiency of technological processes due to constructive solutions aimed at minimization of deposits in heat exchangers - Yury Sultanov, Head of the Petrochemical and Chemical Industry Department at ReinnoIC

Valves used in aggressive environments - Mikhail Zilonov, Director General of LG Avtomatika

Prevention of environmental disasters and man-made accidents: application of virtual and augmented reality for training employees in repair and control of industrial equipment - Dmitry Kirillov, Director General of Modum Lab

Media partner of the session: the Oil and Gas Vertical journal

Free

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Pavilion 2, Hall 2, Conference Hall

13:30—15:00 **8th Moscow International Chemical Forum Session on the Chemistry Through the Eyes of Machines**

Machine vision, predictive analytics, VR and other digital technologies for the chemical industry

Organised by the Russian Chemists Union, EXPOCENTRE AO

Invited participants: Antivirus Center, Astera, DataData, VR Concept, Modum Lab, the Chimvest Scientific and Technical Centre

Programme:

Intelligent measurement systems for the development of chemical production - Denis Lung, Marketing Director of Astera

Smart video surveillance platform over the Internet for remote monitoring and security of industrial enterprises of any size - Natalia Slobodenyuk, Director General of Antivirus Center

Using teamwork in VR to design and build chemical industry facilities - Ilya Viger, Deputy Director General of VR Concept

Free

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Pavilion 2, Hall 2, Conference Hall

15:15—18:00 **8th Moscow International Chemical Forum Panel on Preparations for Implementation of New Technical Regulations of the EAEC on Safety of Chemical Products (EAEC TR 041/2017) in Russia**

Organised by the Coordination and Information Center of the CIS member states, the Environmental Industrial Policy Center, the Russian Chemists Union, EXPOCENTRE AO

Moderated by Dmitry Skobelev, Director of the Environmental Industrial Policy Center

A welcome speech and information message from a representative of the Department of Technical Regulations and Accreditation of the Eurasian Economic Commission

"On approval of the draft decisions of the EEC Council aimed at implementing the EAEC TR 041/2017"

A welcome speech and information message from a representative of the Department of the Chemical Engineering Industry and Bioengineering Technologies of the Russian Ministry of Industry and Trade

"On the implementation of the action plan schedule for the implementation of EAEC TR 041/2017 and other strategic planning documents for the regulation of chemicals and products circulation, ensuring chemical safety and sustainable industrial development in the Russian Federation"

Results of the inventory of chemicals (including in mixtures) in the Russian Federation - Olga Zhukova, Head of the Business Process Automation of the Coordination and Information Center of the CIS member states

The State Industry Information System: the state and development prospects of information resources for providing a single window state registration of chemical products - Representative of the Department of Operation and Development of the State Industry Information System of the Industrial Development Fund

Changes proposed to the standard for a chemical product safety data sheet - the industry perspective - Representative of the industry sector

Instruments to support exports from the EAEC countries to realize competitive advantages of products - Dmitry Vadivasov, Russian representative office of the International EPD System

Q&A session, wrap-up

Dmitry Skobelev, Director of the Environmental Industrial Policy Center

Free

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Pavilion 2, Hall 2, Conference Hall

10:00—18:00 **8th Moscow International Chemical Forum Open Team Showcase Event Championship #Lean100**

Organised by the Chimvest Scientific and Technical Centre of the Russian Ministry of Industry and Trade jointly with the International Center for Support and Development of Industrial Enterprises (ICCI) and the #LeanNext project

The project's aim is to involve the employees and top managers of industrial enterprises into the basics of Lean Production, to learn more and increase skills in its implementation

10:00 Opening ceremony

Welcome speeches from the organisers, VIP guests, partners

10:15 Presentation session on a new look at the notion of the Production System

— Relevance, problems, common errors in productivity improvement projects at enterprises

— Presentation of the Competence Development Center of the Petrochemical Industry

— Presentation of the #LeanNext methodology for construction and development of production systems

11:00—17:50 Championship #Lean100 (8 rounds)

17:50 Wrap-up, award ceremony

There are eight teams in each round. Each team in a round studies and practices only one of the following topics, and then proceeds to the next topic in the next round

— Development of lean thinking. Overcoming resistance

— The PDCA cycle: a tool to arrange the process of problem-solving and effective implementation of improvements

- 5S: a system of rational organisation of working space
- Building a single piece flow (Kanban, supermarket)
- Building a continuous flow. Alignment of operator load. The Yamazumi chart
- SMED: a fast changeover
- TQS: a built-in quality system
- The Ishikawa diagram: a tool for analysing problems and finding solutions

Free

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Pavilion 2, Hall 2, Open Space

14:00—18:00 **8th Moscow International Chemical Forum Workshop on Innovative Developments in Modern Nanochemistry**

Organised by Chemistry Department of the Lomonosov Moscow State University, the Editorial Board of the Supercritical Fluids: Theory and Practice Journal

The workshop will consist of two parts: scientific and applied

The scientific part will include the Conference on Supercritical Fluid Nanotechnologies: Innovative Green Chemistry Technologies, which will have reports about the latest developments of Russian and foreign researchers in the field of nanomaterials and functional materials, fluid technologies

The applied part will present accomplishments, which have applied relevance, of researchers of the Chemistry Department of the Moscow State University obtained over the past two years in the field of functional nanomaterials and fibers

Free

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Pavilion 2, Seminar Hall 4 (Floor 1, Gallery)

10:30—14:00 **Panel on Investing in Innovations**

Organised by NIITEKHIM OAO, EXPOCENTRE AO

The aim of the event is to identify the directions of the main investment flows in the field of chemistry and petrochemistry and to consider the measures of state support stimulating business to implement innovative projects in production of fine import-substituting/export-oriented products

A new report of NIITEKHIM OAO on the state of innovation processes in the chemical industry of Russia will be presented for discussion

The invited participants are representatives of the Russian Ministry of Industry and Trade, Russian Export Center, the Russian Chemists Union, chemical and petrochemical companies, professional research associations, and banks which give credits to innovation projects

Free

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Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

14:30—15:15 **Presentation of Development of Electrochemically Active Materials for Hydrogen Fuel Cells**

Organised by the Institute of Solid-State Physics of the Russian Academy of Sciences (Chernogolovka)

Speaker: **Aleksey Ivanov**, junior research associate

Free

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Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

15:30—17:00 **8th Moscow International Chemical Forum Panel on Using Products Based on Calcium Chloride, Magnesium Chloride and Sodium Chloride for Dust Suppression and Freeze-Proofing**

Organised by the Russian Chemists Union, Zirax OOO

Free

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Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

15:00—18:00 **8th Moscow International Chemical Forum General Meeting of the Russian Chemists Union**

Organised by the Russian Chemists Union, EXPOCENTRE AO

The meeting will sum up the results of the Union's work

Limited

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Pavilion 7, Conference Hall

October 29, 2020, Thursday

10:30—13:00 **8th Moscow International Chemical Forum Session on the Day of Regions: Challenges and Prospects of Globalization and Localization of the Russian Chemical Industry**

Organised by the Russian Chemists Union, EXPOCENTRE AO

The event is dedicated to the investment potential of Russian regions and development of competitive chemical production

Programme:

The regional structure and development dynamics of the Russian chemical industry - Galina Zhigareva, Head of the Market and Development of the Chemical Industry of NIITEKHIM OAO

Reports of the organisers of regional group stands at Khimia:

— The Nizhny Novgorod Region Development Corporation

— The Export Support Centre of the Volgograd Region

— The Industry Development Centre of the Leningrad Region

— The Export Support Centre of the Yaroslavl Region

Reports of representatives of Russian regional chambers of commerce and industry, clusters, and industrial parks

Free

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Pavilion 2, Hall 2, Conference Hall

13:30—15:30 **8th Moscow International Chemical Forum
Session on Innovative Chemistry for Farmers**

Organised by the Russian Chemists Union, EXPOCENTRE AO

The aim of the session is to tell representatives of the agriculture industry about innovative chemical and biotechnological solutions for agriculture, and to stimulate innovations in agricultural production
Invited participants: PhosAgro, Uralchem, Avgust, NPP Plus, Russian Agricultural Bank, the Research Institute of Technology of Organic, Inorganic Chemistry and Biotechnology, the Skryabin Institute of Microbial Biochemistry and Physiology of the Russian Academy of Sciences, agrotechnology startups

Programme:

Surface modification by metal nanoparticles of bulk mineral fertilizers - Denis Olyotin, Head Advisor at NPP Plus

Creation of artificial soil structural formations on the basis of polymers - Snezhana Menshikova, Candidate to Ph.D. in Agricultural Sciences, Senior Research Fellow at the Kostyakov Research Institute of Hydraulic Engineering and Land Reclamation
Using secondary metabolites of bacteria in the agriculture industry: an alternative to chemical synthesis - Inna Solyanikova, Ph.D. in Biology, Lead Research Fellow at the Skryabin Institute of Microbial Biochemistry and Physiology of the Russian Academy of Sciences

Selection of new strains of Pseudomonas genus bacteria to protect and stimulate plant growth - Tatiana Anokhina, Candidate to Ph.D. in Biology, Research Fellow at the Skryabin Institute of Microbial Biochemistry and Physiology of the Russian Academy of Sciences

Media partner: the Agrochemical Herald (Agrokhimicheskij vestnik) journal

Free

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Pavilion 2, Hall 2, Conference Hall

16:00—18:00 **8th Moscow International Chemical Forum
Session on the Circular Economy: Evolution of
Chemical Products and Technologies**

Organised by the Russian Chemists Union, EXPOCENTRE AO

Moderated by Maria Ivanova, First Vice President of the Russian Chemists Union

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Pavilion 2, Hall 2, Conference Hall

12:00—13:30 **Workshop on Promising Biotechnologies for
Sustainable Development**

Organised by the Skryabin Institute of Microbial Biochemistry and Physiology of the Russian Academy of Sciences, EXPOCENTRE AO

For the second time, the Skryabin Institute of Microbial Biochemistry and Physiology of the Russian Academy of Sciences will hold a workshop at the Khimia exhibition on the latest Russian developments in biotechnology

The participants will learn about promising biotechnological solutions for agriculture that allow abandoning chemical pesticides, innovations in biosensor methods of chemical identification, and new biotechnological equipment

Programme:

Using secondary metabolites of bacteria in the agriculture industry: an alternative to chemical synthesis
Contributor: Inna Solyanikova, Ph.D. in Biology, Lead Research Fellow

New secondary metabolites of Aspergillus fungi and their antitumor activity

Contributor: Tatiana Antipova, Senior Research Fellow, Candidate to Ph.D. in Biology

Identifying low-molecular organic compounds by biosensor method

Contributor: Tatiana Kuvichkina, Candidate to Ph.D. in Biology, Research Fellow

Innovative equipment for biotechnology

Contributor: Vladimir Chersky, Director of Prointech OOO

Free

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Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

12:30—14:00 **Consulting Session of Russian Export Center
on Support for Export of Chemical Products**

Organised by the Russian Chamber of Commerce and Industry, Russian Export Center AO, EXPOCENTRE AO

Free

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Pavilion 8, Buffet Hall (Floor 1, Gallery)

14:00—15:30 **Panel on the Export and Import of Russian
and CIS Chemical Products to Iran**

Organised by Neftekhimtrans, RusIranExpo
Development of export and import of Russian, Iranian and CIS companies

Topics:

— Overview of the chemical and oil and gas industry in Iran. Potential, needs, new projects
— Tank containers, big bags, barrels, intermediate bulk containers. Transportation by rail, the Caspian Sea, vehicles

— Experience in exporting fine and high-tech chemicals to Iran. Marketing

— Complex issues: logistics, sanctions, customs, financial settlements, insurance

Representatives of the Iranian Embassy in Russia, the Russian Ministry of Industry and Trade, the Chimvest Scientific and Technical Centre, Russian Export Center, Moscow Export Center, Russian regional export support centers and chambers of commerce and industry, financial, insurance and transport companies are invited to participate in the panel

Speakers: representatives of RusIranExpo, Caspian Container Lines, Spetstransgarant, RIFAMS, and other companies

Free

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Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

16:00—18:00 **Panel on Specifics of Foreign Trade Operations with Chemical Goods. Search for Partners, Customs and Logistics Risks**

Organised by the Association of Exporters and Importers

Moderated by Pavel Dolgov, Vice President of the Association of Exporters and Importers

Speakers:

— Irina Zasedatel, member of the Presidium of the Association of Exporters and Importers, a customs representative with 20 years of experience

— Frank Van Eynde, the Economic Representation of Flanders

— Jakov Despot, Director of the Croatian Chamber of Economy Representative Office in Russia

— Navarr Abdul Wahed, the Russian Club in the United Arab Emirates

— representative of the chemical industry, an active exporter

— representative of a logistics company

Free

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<http://exporterimporter.ru>

Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

12:00—12:30 **Presentation of Solutions for Production of Antibacterial Nanomaterials: Antiseptic, Plastic, Rubber, Silicone**

Organised by NPP Plus

Speaker: Denis Olyotin, Head Advisor at NPP Plus

Free

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Phone: +7 (908) 271-1364

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Pavilion 2, Hall 2, Presentation Area

13:00—13:45 **Presentation of Highly Efficient Heat Exchangers of ReinnolC**

Organised by ReinnolC Lab

Speaker: Sergey Stepin, Director General of ReinnolC Lab

Free

Contacts:

Phone: +7 (343) 383-07-14

www.reinnolc.com

Pavilion 2, Hall 2, Presentation Area

14:00—16:00 **Presentation of Education and Research at the Chemistry Department of the Lomonosov Moscow State University**

Organised by the Chemistry Department of the Lomonosov Moscow State University

The presentation will show education programmes and promising research projects of the Chemistry Department of the Lomonosov Moscow State University

Free

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Pavilion 2, Hall 2, Presentation Area

10:00—19:00 **2nd International Tank Container Forum**

Organised by Tank Container World

The International Tank Container Forum is Russia's leading business platform dedicated to the tank and container transportation of chemical cargoes, which brings together main participants of the tank container, chemical and petrochemical industries. The industry's professionals will discuss new infrastructure projects, problems of the industry and technology, the impact of the COVID-19 pandemic on chemical freight logistics, and recovery of transportation networks.

The participants include RusLinkCargo, SpecTransGarant, Module, Hilong Russia, Lenhimsintez, RZD-Logistics, Russian Maritime Register of Shipping, etc.

Pay

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Pavilion Forum, Southern Hall

October 30, 2020, Friday

14:00—16:00 **8th Moscow International Chemical Forum Panel on Training and Development of Production, Management and Research Personnel for the Chemical Industry**

Organised by the Russian Chemists Union, EXPOCENTRE AO

Moderated by Maria Ivanova, First Vice President of the Russian Chemists Union

Free

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Pavilion 2, Hall 2, Conference Hall

*** Subject to alteration**