

# International Youth Forum "THE IMAGE OF THE FUTURE WE WANT: FORESIGHT 2100" project "HORIZON 2100" ' 21

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Фонд поддержки президентской деятельности ил. А.М. Горчакова



## FORUM PROGRAM

**Location:** Cosmonautics Museum, ASI Boiling Point and Gorchakov Foundation; Moscow, Russia

**Dates:** 23–26 August, 2021

### August 22, 2021 (Sunday), Museum of Cosmonautics, Prospect Mira, 111

Arrival of experts to Moscow. Accommodation in the hotel "Cosmos", Prospect Mira, 150

### August 23, 2021 (Monday)

13:30–14:30	Arrival of the participants in Moscow at the hotel "Cosmos", Prospekt Mira, 150. Accommodation
15:00–15:30	Transition to the Museum of Cosmonautics, Prospect Mira, 111. The procedure for entering the building. Checking QR codes, certificates, temperature measurement. Access to the cinema
15:30–20:30	<b>Forum Opening</b>
15:30–16:00	<b>Greeting of the Forum participants:</b> <b>Irina L. Osokina</b> , project manager, chairman of the Organizing Committee, Candidate of Sociological Sciences, Chairman of the Council of the Center for Modeling the Future, deputy of the Moscow City Duma of the II convocation. <b>Yuri V. Sidelnikov</b> , chairman of the International Jury of the "HORIZON 2100" Competition, Doctor of Technical Sciences, Chief Researcher of the V.A. Trapeznikov Institute of Control Sciences of Russian Academy of Sciences, First Vice-President of the International Futures Research Academy. <b>Natalia V. Artyukhina</b> , director of the State budgetary institution "Memorial Museum of Cosmonautics". <b>Shrimati Kessan</b> , Honorary Doctor of Cosmopolitan University, founder and CEO of the leading scientific and technological incubator Space Kidz India (SKI), was awarded the status of an ambassador of the world's leading space centers.
16:00–17:00	<b>Plenary session "The World of the Future: what threatens and what brings the future of humanity closer?"</b> <b>Introductory speeches and presentations by experts in the following areas:</b> ☑ <b>The Human of the Future and the Future of humanity</b> <b>Alexander Chulok</b> , Russia, PhD in Economics, Associate Professor, Director of the Center for Scientific and Technological Forecasting, Institute for Statistical Research and Economics of Knowledge, National Research University Higher School of Economics; curator of the project of scientific and technological development of Russia: <b>"Global trends in human enhancement: a timeline of key events in human evolution for the next 100 years"</b> . <b>Olaf L. Hauer</b> , Germany, PhD in Psychology, Professor of Peter the Great St. Petersburg Polytechnic University, co-founder and managing partner of the international INTG team: <b>"Individual awareness, freedom of choice and the ability to cooperate VS egocentrism, competition and rejection of empathy. What kind of future can humanity build?"</b> ☑ <b>Questions, discussion</b>
17:00–17:20	<b>Coffee break, discussion for participants, organizers and experts, cafe "Under the rocket" in the Cosmonautics Museum</b>
17:20–19:50	<b>Plenary session "The World of the Future: what threatens and what brings the future of humanity closer?", continued.</b> <b>Introductory speeches and presentations by experts in the following areas:</b> ☑ <b>The Future of the World</b> ☑ <b>The Future of the Economy, Business and Finance</b> ☑ <b>The Future of Energy</b>
17:20–19:50	<b>Vladimir Kuznetsov</b> , Russia, Chairman of the UN Country Team in Russia, Director of the UN Information Center in Moscow. Doctor of Historical Sciences MGIMO (U): <b>"The world of the future — the future of the world"</b> . <b>Alexander Ageev</b> , Russia, Doctor of Economics, Professor of the MGIMO (U), Head of the Department at the National Research Nuclear University "MEPhI", Director General of the International Research Institute for Advanced System (IRIAS): <b>"The economy of the future: the inevitable metamorphosis of the meanings of life"</b> .

**Suheil Farah, Lebanon-Russia**, Foreign member of the Russian Academy of Education, Doctor of Philosophy, Head of the Open University of Dialogue of Civilizations, Co-chairman of the International Jury of the “HORIZON 2100” competition:

**“Civilization and the Human of the Future”.**

**Jonathan Tennenbaum, Berlin, Germany**, PhD in Mathematics at the University of California; International employee of the Center for the History and Philosophy of Science (CFCUL), Lisbon; researcher of fundamental issues of physics: **“The transition from extensive to intensive modes of economic development - the future role of nuclear energy”.**

**Juliana Loureiro, Brazil**, Candidate of Technical Sciences, Associate Professor at the Federal University of Rio de Janeiro, Corresponding member of the Brazilian Academy of Sciences:

**“The Future of Oil by 2100”.**

☒ **Questions, discussion**

19:50–20:30

**Organizational session:**

- Presentation of the organizers, moderators, experts and the youth organizational team.
- Introduction and acquaintance between participants and experts.
- Explanation of the order of the Forum

20:30–22:00

**Dinner at the hotel, “Kalinka” restaurant, buffet.**

Free Discussion between participants with experts on the work areas of each team

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### **August 24, 2021 (Tuesday), Museum of Cosmonautics, Prospect Mira, 111**

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07:00–09:00

**Breakfast** for participants and experts staying at the hotel “Cosmos”

09:00–12:00

**Thematic walk “Moscow — the city of the Future”** (for the experts)

10:00–12:00

**Chief Moderator of the Forum Danila Medvedev, Russia.**

**Forum co-moderator — Olaf Hauer, Germany.**

Work of youth Foresight teams:

Exchange of best practices between teams. Critical analysis of future scenarios.

12:00–13:00

**Danila Medvedev, Russia, Chief Moderator of the Forum.**

**Panel discussion “Human Economic Activity and the Earth's Ecosystem: Finding a Balance for a Happy Future”.**

Introductory speeches, presentations and discussion by experts in the following areas:

- **The Future of the Earth's Ecosystem**
- **The Future of Human Activity and Habitat**

**Elena Rovenskaya, Russia-Austria, PhD in Physics and Mathematics, Director of the Development of System Analysis (ASA) Program of the International Institute of Applied Systems Analysis (IIASA):**

**“Sustainability beyond 2050: Need to act now”.**

**Penka Doneva, Bulgaria, graduate of the D.A. Tsenov Economic Academy in Bulgaria, Master of the People's Friendship University of Russia; senior expert of the Department “Investments and European Programs” in the municipality of Stara Zagora:**

**“Conserving the world's biodiversity and combining it with digitalization into the future?”**

- **Questions, discussion**

13:00–14:00

**Lunch** at the cafe “Under the rocket” in the Cosmonautics Museum

14:00–15:00

**Panel discussion “Human Economic Activity and the Earth's Ecosystem: Finding a Balance for a Happy Future”, continued**

**Introductory speeches, presentations and discussion by experts in the following areas:**

**Vladislav A. Leonov, Russia, PhD in Physics and Mathematics, Researcher at the Institute of Astronomy of the Russian Academy of Sciences, Professor of the Russian Academy of Natural Sciences, Member of the Russian Academy of Cosmonautics. K.E. Tsiolkovsky, member of the Russian Geographical Society:**

**“Industrial revolutions and the prospects for the development of space resources”.**

**Cynthia Chang, Canada, President and co-founder of the Rising Tide Foundation; is a writer of the Strategic Culture Foundation, has a bachelor's degree in molecular genetics:**

**“Greening Deserts, Eliminating Landfills, and the End to Limited Resources: Cities of the Future 100 Years From Now”.**

☒ **Questions, discussion**

15:00–16:00

**Panel discussion “Technology transfer: nanotechnologies, biomedicine, digital technologies, AI. Examples looking to the future”.**

**Introductory speeches, presentations and discussion by experts in the following areas:**

☒ **The Future of AI, the Digital Environment, Bionics, and Other Key Technologies**

**Danila A. Medvedev, Russia, PhD, applied futurologist and transhumanist, director of “Neurocode”, TV presenter for “Science 2.0”:**

**“The transition to solar energy or nanotechnology? Artificial intelligence or natural intelligence? Going into space or saving the Earth? What technologies and scenarios of the future are being formed in the present?”**

**Leena Ilmola-Sheppard, Finland, PhD, Visiting Honorary Researcher of the Research Group on Cooperation and Transformative Management of the International Institute for Applied Systems Analysis (IIASA); expert in the Committee of the Finnish Parliament on the Future:**

**“How new technologies will transform the operations' logics of the global markets”.**

☒ **Questions, discussion**

16:00–16:15

**Coffee break, cafe “Under the rocket” in the Cosmonautics Museum**

16:15–17:15

**Panel discussion “The future of science: development strategies — how can science become a driver of positive changes?”**

**Introductory speeches, presentations and discussion of experts in the following areas:**

☒ **The future of science, knowledge management and innovation**

**Matthew J.L. Eyret, Canada**, *journalist, editor-in-chief of the online publication "Canadian Patriot Review", senior researcher at the American University in Moscow:*

**"Embracing an Open System approach to science and humanity's growth needs in the 21st century and beyond".**

**Yuri V. Sidelnikov, Russia**, *Doctor of Technical Sciences, Chief Researcher of the V.A. Trapeznikov Institute of Control Problems of the Russian Academy of Sciences, Professor of the Moscow Aviation Institute (National Research University) (MAI):*

**"Is it possible to predict science?"**

☒ **Questions, discussion**

17:15–18:30

**Educational session at the Museum of Cosmonautics "Space exploration: the past, present, and future"**

19:00–19:20

**Communication session with the cosmonauts on the International Space Station:**

**Oleg Novitsky** — cosmonaut-researcher, commander of the ISS-65 expedition, consisting of 7 people from the USA, Russia, France, Japan, Hero of the Russian Federation;

**Peter Dubrov** — flight engineer of the International Space Station.

19:30–21:00

**Dinner at the hotel, restaurant "Kalinka", buffet.**

**Free discussion of participants with experts on the areas of work of the teams**

**August 25, 2021 (Wednesday), the ASI Boiling Point, Maly Konyushkovsky per., 2**

**ASI Boiling Point: The Work of Youth Foresight Teams**

07:00–08:00

**Breakfast** for participants and experts staying at the hotel "Cosmos"

08:00–09:00

Travel to the ASI Boiling Point, address: Maly Konyushkovsky per., 2, Moscow (floor 3)

09:00–09:30

Passage to the building. Temperature measurement

09:30–11:30

**Main forum moderator Danila Medvedev, Russia.**

**Educational session "Immersion"**

09:30–10:00

**Introductory speech about the future** (presentation about trends and working methods)

10:00–10:30

**Formation of a team identity:** the name, expertise and available resources of the team, the goal and intentions for solving problems, the image of the final result on the forum, functional roles in the team, the requested resources

10:30–11:30

**Beginning of group work within the following areas:**

- The image of a person of the future and the future of humanity;
- The image of the future world;
- The image of the future of science, knowledge management and innovation;
- The image of the future of AI, the digital environment, bionics, and other key technologies;
- The image of the future of the economy, business and the financial sector;
- The image of the future of the Earth's ecosystem;
- The image of the future of human life and habitat

11:30–13:30

**Group work via models** (and a large model) forming a vision of various models of the future

13:30–14:30

**Lunch at the cafe "MU-MU", Barrikadnaya st., 21/34s3, Moscow (floor 2)**

14:30–17:00

**Synchronization, discussion and general plan**

17:00–18:00

**Working on a large model.**

**Discussion of the results and synchronization between groups. Joint revision as well as preparation of a common document by Forum participants — the Manifesto of the Builders of the Future**

18:00–18:30

**Summing up the results of the first stage (speech)**

18:30–20:00

**The beginning of the second stage of project work.**

**Make road maps and project ideas based on the models**

20:00–22:00

**Return to the hotel "Cosmos". Joint dinner of experts and participants at the hotel, "Kalinka" restaurant, buffet.**

**Free discussion, the opportunity to ask questions**

**August 25, 2021 (Wednesday), the Alexander Gorchakov Public Diplomacy Fund, Yakovoapostolskiy per., 10**

**Side event Expert Foresight session "The Future of Science in the XXI century: Development Strategies"**

08:00–09:00

**Breakfast** for experts staying at the "Cosmos" Hotel

09:00–10:00

Travel of foreign experts from the "Cosmos" Hotel to the Gorchakov Foundation, address: Yakovoapostolskiy per., 10

10:00–17:00

**Expert Foresight session "The Future of science of the XXI century: development strategies"**

The venue is the Alexander Gorchakov Public Diplomacy Fund

10:00–13:00

**Alexander Ageev, Russia**, moderator of the Expert Foresight Session, Doctor of Economics, Professor of MGIMO (U) of the Ministry of Foreign Affairs of the Russian Federation, Head of the Department of the National Research Nuclear University "MEPhI", Director General of the International Research Institute for Advanced System (IRIAS).

**Imperative Impact Discussion**

During the session, under the direction of a moderator, the experts will answer the following questions:

- How can we predict and model the future of science in the context of global processes and problems?
- What are the most important problems faced by science?
- What is necessary from scientists for science to act as a driver of changes?
- What prospects, according to the experts participating in the Foresight Session, should be built in their fields of knowledge?

They will solve a number of important tasks faced by scientists and analysts:

- They will compare the positions of each of the participants;
- They will discuss the possibilities of solving the most difficult problems of forecasting science;
- They will find opportunities for consensus on key positions;
- They will establish contacts between scientists from different countries;
- The expert and communication network "HORIZON 2100" will be expanded

13:00–14:00

**Lunch at the cafe of the Department of Information Technologies of Moscow**

14:00–16:00

**Continuation of the Expert Foresight session.**

**Alexander Ageev, moderator of the expert Foresight session.**

**Brainstorming:**

- to find solutions and models to the strategy for the future of science, so that it is science that acts as a decisive marker in determining the key trends of the sustainable development of human civilization in the future;
- joint development of a "Strategy for the development of science in the interests of the sustainable development of human civilization in the future until 2100".

16:00–17:00

**Coffee break at the Gorchakov Foundation**

17:00–20:00

**A walk around the city, the return of foreign experts to the hotel**

20:00–22:00

**Joint dinner of experts and participants at the hotel, "Kalinka" restaurant, buffet.** Free discussion, the opportunity to ask questions**August 26, 2021 (Thursday), the ASI Boiling Point, Maly Konyushkovsky per., 2**

08:00–09:00

**Breakfast.** Room release (*Luggage placement in the designated room*)

09:30–14:00

**Project work of the participants.****Danila Medvedev, Russia, chief moderator of the Forum**

09:30–11:00

*Working on projects in groups with the possibility of consultations with the experts*

11:00–11:45

*Finalizing the large model and the final document which will be the "Manifesto of the Builders of the Future". The Manifesto will present what young people want to see as the future world to the people of the planet in cooperation and creative activity of a healthy society on a healthy planet*

11:45–12:00

**Coffee break** in the cafe "Under the rocket" in the Cosmonautics Museum

12:00–13:00

*Run-through of project work presentations by the teams with participation from the experts*

13:00–14:00

*Discussion, reflection, revision considering prior commentary*

11:00–14:00

**International expert meeting (in parallel with the work of the participants)**

14:00–15:00

**Lunch** in the cafe "Under the rocket" in the Cosmonautics Museum

15:00–15:30

**Meeting with guests**

15:30–18:00

**The final session. Closing**

15:30–16:30

**Presentation of Forum project work results on the formation of an image of a desired future.***Presentation of the teams and the results of their project work:*

- *Presentations by teams of the results of their work for 5 minutes.*

- *Questions from the experts and the guests: 3 minutes per team*

16:30–17:00

**Awarding ceremony for the winners of the "HORIZON 2100" competition participating in the Forum.****Vyacheslav Klimentov, Deputy Director for Science of the State Budgetary Institution "Memorial Museum of Cosmonautics".****Irina Osokina, Head of the "HORIZON 2100" Project, Chair of the Organizing Committee.****Yuri Sidelnikov, scientific leader of the project, chairman of the International jury of the competition "HORIZON 2100".****Vladimir Kuznetsov, Director of the UN Information Center in Moscow, Chairman of the UN Country Team in Russia.****Shrimati Kessan, Doctor Emeritus of the Cosmopolitan University, Founder and CEO of Space Kidz India (SKI), a leading science and technology incubator.****Guests from embassies and representations of regions and republics of Russia.****The management of the Fund for Support of Public Diplomacy named after A.M. Gorchakova.***Speeches and congratulations from the members of the International Jury, experts of the "HORIZON 2100" Competition, distinguished guests from the embassies and representative offices of Russian regions, presentation of diplomas.**At the same time, the votes are counted (during the performance of the teams, experts and guests gave points according to special forms), rating is carried out, the first, second and third team places of projects are determined*

17:00–17:10

**Congratulations to the winners of the contest who did not participate in the Forum in person.**

17:10–17:20

**Displaying photos and names of winners from other regions and countries not participating in the Forum**

17:10–17:20

**Online and offline performances of the winners of the "HORIZON 2100" Competition:**

17:20–17:30

**Short speeches and greetings (1 min each)****Announcement of the GRAND PRIX of the "HORIZON 2100" Competition****Fanfare sounds.****Awarding of GRAND PRIX winners.****ONLINE inclusion of the GRAND PRIX Winner**

17:30–18:00

**The main moderator of the forum is Danila Medvedev, Russia.***Announcement of the results of the contest of projects of the Forum participants:*

- *Speech (argumentation) of the chairman of the expert jury;*

- *Announcement of the winners — I, II, III places.*

*Summing up the results of the forum and the project by the organizers.**Words of gratitude to the guests, experts, and the international youth organizational team.**Adoption of the final document which will be the Manifesto of the Builders of the Future for the people of the planet of the future world in cooperation and creative activity of a healthy humanity on a healthy planet, as young people want to see it, for sending it to the UN. Announcement of the closure of the Forum.**A shared photo for memory*

18:30–21:30

**Farewell dinner at the restaurant "Terrace" in the hotel "Cosmos", Prospect Mira, 150****August 27, 2021 (Friday)**

08:00–12:00

**Breakfast.** The release of rooms by foreign experts

10:00–14:00

**Transfer to the airport.** Departure of a number of experts from Moscow