



Draft Program of the 9th International Forum “ATOMEXPO 2017”



JUNE 19

Round-table:

«Innovative technological solutions in the life cycle of the nuclear power industry as a sustainable development provision»

The main topic of the round-table conference is assessment of the current state and prospects for the world's power industry development in terms of basic and alternative energy sources. The closed fuel cycle concept based on a two-component nuclear system with thermal and fast reactors. Technical and economic aspects and national competence with regard to treatment of spent nuclear fuel and radioactive waste. Methods and implemented projects.

Session №1

Invited to participate:

Moderator:

- **Stephan Solzhenitsyn**, Senior Partner, McKinsey & Company.

Co-moderator:

- **Vladimir Asmolov**, Advisor to the Director General, ROSATOM State Corporation.

Speakers:

- Opening speech
Vladislav Korogodin, Director of NFC and NPP Life Cycle Management, ROSATOM State Corporation;
- «Global energy transition and challenges for nuclear players»
Anton Poryadin, Partner and Head of Strategy and Transformation Practice in CIS, Ernst & Young;
- «Nuclear fuel cycle closure based on fast neutron reactors»
Yevgeny Adamov, Scientific Leader, Proryv (Breakthrough) Project;
- «Perspectives of development two-component nuclear energy system – vision of Russian customer»
Alexandr Shutikov, First Deputy General Director of Operations of NPP in Russia, Concern Rosenergoatom;
- «Back-end options for a small country with long term nuclear programme»
Attila Aszodi, Prof., State Secretary Responsible for the Maintenance of the Capacity of the Paks NPP;
- «UK Decommissioning Strategy»
Adrian Simper, Strategy and Technology Director, Nuclear Decommissioning Authority (NDA).

Session №2

Invited to participate:

Moderator:

- **Fletcher Newton**, President, TENAM Corp.

Co-moderator:

- **Vladimir Asmolov**, Advisor to the Director General, ROSATOM State Corporation.

Speakers:

- «The economic feasibility of closing the nuclear fuel cycle»
Anna Bryndza, Senior Vice President, Ux Consulting Company;
- «Prospects for the use of SNF reprocessing products in light water reactors»
Guillaume Dureau, Deputy to the CEO, Senior Executive Vice President in Charge of Customers, Strategy, Innovation and R&D Department, New AREVA;
- «Reprocessing of SNF from VVER-1000 at the Mayak Production Association as an Element of the Nuclear Fuel Cycle Closure. Prospects for Further Development»
Dmitry Kolupaev, Deputy General Director for Strategic Development, FSUE «Mayak» PA

Session №3

Invited to participate:

Moderator:

- **Fletcher Newton**, President, TENAM Corp.

Co-moderator:

- **Vladimir Asmolov**, Advisor to the Director General, ROSATOM State Corporation.

Speakers:

9.00-11.00 am
and
3.30-6.00 pm

Conference
hall No. 1

- «SNF and radioactive waste management strategies in OECD NEA member countries. Selection of strategies and influencing factors»
Vladimir Lebedev, Radioactive Waste Management Specialist, Division Radiological Protection and Radioactive Waste Management, OECD Nuclear Energy Agency (NEA);
- «Post operations decommissioning of NPP. Lessons learned»
Thomas Seipolt, Managing Director, NUKEM Technologies Engineering Services GmbH;
- «Fast neutron reactors and the problem of nuclear non-proliferation»
Alexander Chebeskov, Doctor of Engineering, Principal Scientist, Institute for Physics and Power Engineering;
- «Nuclear fuel cycle in the dual-component nuclear power system as a part of Russian integrated offer for foreign customers»
Mikhail Baryshnikov, Head of the Back-End Department, TENEX;
- Closing speech
Vladislav Korogodin, Director of NFC and NPP Life Cycle Management, ROSATOM State Corporation.

Round-table:

«3D printing as an innovative tool to develop the nuclear power industry»

The main topic of the round-table conference is discussion of the prospects of additive technologies (3D printing) for the production of new products, in particular, in the nuclear power industry, as well as consideration of their development from the standpoint of world requirements to improving the environmental compatibility and safety of new materials.

Invited to participate:

Moderator:

- **Gary Pitch**, Journalist of Nuclear Intelligence Weekly (USA).

Speakers:

- **Alexey Dub**, First Deputy General Director of JSC Science and Innovations;
- **Alexander Kamashev**, Director of the Department for Implementation of Programs for the Creation and Development of New Businesses JSC TVEL;
- **Evgeny Kablov**, Academician of RAS, Doctor of Engineering, Professor;
- **Alexey Borovkov**, Vice-rector for Advanced Projects of Peter the Great St. Petersburg Polytechnic University, Leader and Co-director of the «Technet» National Technology Initiative working group;
- **Iskander Akhatov**, Doctor of Physics and Mathematics, Professor, Director of the Engineering Design, Manufacturing Technology and Materials Center of the Skolkovo Institute of Science and Technology;
- **Pavel Trusov**, commercial director of Nissa Digispace.

Panel members:

- **Olga Ospennikova**, Head of Research, PhD in Technical Sciences, FSUE «VIAM», SSC RF;
- **Oleg Elistratov**, Deputy General Director for Non-Nuclear Business Development, UEHK;
- **Alexander Shtarev**, Chief Specialist - coordinator of the projects group of the department for the implementation of the TVEL development and development program for new businesses;
- **Vasiliy Vasilenko**, chief specialist of the department for the implementation of the TVEL development and development program for new businesses;
- **Tatiana Tarasova**, Scientific Advisor, leading researcher, Candidate of Engineering, Moscow State Technical University «STANKIN»;
- **Dmitry Kotoban**, Deputy Head of Additive Technologies Laboratory, Candidate of Engineering, MSTU «STANKIN»;
- **Vyacheslav Shvarov**, Deputy Director for General Issues of Novovoronezhskaya Nuclear Power Station;
- **Alexander Nikitkin**, Deputy Head of Advanced Instrumentation Technology Department, FSUE PA «Start» them. M.V. Protsenko;
- **Andrey Travyanov**, Director of the Institute of Ecotechnology and Engineering of the National Research Technological University «MISIS»;
- **Vladimir Cherkovets**, Director of JSC «SSC RF TRINITI»;
- **Natalia Airapetova**, Deputy Director General for Science and Innovation Activity of SSC RF - IPPE. A.I. Leipunsky;
- **Kirill Kuley**, Chairman of the Council of Young Scientists and Specialists of JSC «SSC RF - IPPE. A.I. Leipunsky, deputy chairman of the commission on work with youth;
- **Zhanna Sentyurina**, Head of division, OJSC Composite;
- **Pavel Potapkin**, Engineer, OJSC Composite;

9.00-11.00 am

Conference
hall No. 2

- **Oleg Telnov**, Head of the Advanced Production Technologies Department of NPO «Technomash»;
- **Representatives** of potential Russian and international customers/partners: Roscosmos; VIAM; VSMPO-AVISMA, Composite Holding Company, FSUE NPO Technomash, ENIS (Smurov Y.); Representative of JSC Polema – metal powder manufacturer;
- **Representatives** of universities: Ural Federal University, Sechenov First Moscow State Medical University, MEPhI, Tomsk Polytechnic University, etc.

Round-table:
«Investing in the future: choosing the strongest»

The main topic of the round-table conference is discussion of the economic effect from the NPP construction projects for all participants. Consideration of the best practices in the field of investment strategies, credit systems and financing of nuclear projects. Analysis of the procedures for project and commercial risk management in the course of implementation of the NPP construction projects. Discussing the prospects for applying the project financing principles in the complex NPP construction projects in foreign countries.

Invited to participate:

Moderator:

- **Mikhail Kulikov**, McKinsey & Company, Inc. Partner.

Welcome speech:

- **Iliya Rebrov**, Director for Economic and Finance, ROSATOM State Corporation.

Session 1: Projects for NPP construction abroad

Invited to participate:

Speakers:

- «Foreign plans of ROSATOM State Corporation
Kirill Komarov, First Deputy Director General for Corporate Development and International Business, ROSATOM State Corporation;
- «General presentation on NPP construction projects abroad»
Anastasia Zoteyeva, CEO of JSC Rusatom Energy International;
- «Construction of the Hanhikivi 1 NPP in Finland: the project's current status and prospects»
Minna Forsström, Fennovoima Oy Project Director;
- «Akkuyu Nuclear NPP (Turkey) as the first BOO project in the world nuclear industry»
Anastasia Polovinkina, Director of Finance and Investment Analysis Department, JSC Rusatom Energy International;
- «Support for Russian exports»
Alexey Ternavsky, Director, Export Credit Department, Vnesheconombank;
- Topic of the report to be announced
Tim Yeo, Chairman, New Nuclear Watch Europe.

Session 2: Wind Power Industry

Invited to participate:

Speakers:

- «Construction of a pilot wind farm (610 MW) and a wind turbine plant: the project's current status and prospects»
Emin Askerov, Deputy General Director - Director for Development and International Business of JSC OTEK;
- Topic of the report to be announced
Vadim Dormidontov, Deputy Head of the Project and Structured Finance Department, JSC Gazprombank.

Round-table:

«Internal control and audit in the company's management system, compliance and risk management in major international projects»

The main topic of the round-table conference is discussion of best practices in corporate management aimed at increasing management effectiveness through improvement of internal control and internal audit quality. Consideration of the issues related to implementation of internal control system concept in the Russian Federation, as well as internal control and audit standards.

Session 1: «Internal control and audit in the company's management system. Development vector of corporate internal control systems»

9.00-11.00 am

Conference
hall No. 3

9.00-11.00 am
and
3.30-6.00 pm

Conference
hall No. 4

Invited to participate:*Moderator:*

- **Alexander Kareevsky**, Economic Observer of «Russia 24».

Speakers:

- **Alexander Loktev**, Director for Internal Control and Audit - Chief Controller of ROSATOM State Corporation;
- **Yury Berestnev**, Member of the RF Government Expert Council;
- **Ekaterina Bolotova**, independent expert, NP «NUIAC»;
- **Yury Podkopaev**, Head of the Center for Internal Audit «Zheldoraudit» - structural subdivision of JSC «Russian Railways»;
- **Elena Schegoleva**, Director for Internal Control and Risk Management, Chief Auditor of PJSC RusHydro;
- **Péter Gerendási**, Partner, Deloitte Hungary;
- **Levente Kovács**, Senior Manager, Deloitte Hungary;
- **Kristiina Lagerstedt**, Head of the Internal Audit Department, Sanoma Group (Finland).

Session 2: «Development vector of the institutional basis of corporate internal control systems. Regulator's view»**Invited to participate:***Moderator:*

- **Yury Berestnev**, Member of the RF Government Expert Council

Speakers:

- **Alexander Demidov**, Deputy Head of the Federal Treasury;
- **Yevgeny Dantchikov**, Head of the Main Control Department of the City of Moscow;
- **Vitaliy Korolev**, Deputy Head of the Federal Antimonopoly Service of Russia;
- **Yuliya Krokhina**, Head of the Department of Legal Disciplines, Moscow State University Of Lomonosov;
- **Svetlana Larina**, Dean of the Faculty of Public Administration Economics, The Russian Presidential Academy of National Economy and Public Administration;
- **Yury Nazarov**, Head of the Inspection of Expert-Analytical and Control Activities of the Accounts Chamber of the Russian Federation.

11.00-11.40
am**OPENING OF THE FORUM AND VISITING THE EXHIBITION****PLENARY SESSION****«ATOM AS THE BASIS FOR CARBONLESS POWER INDUSTRY OF THE FUTURE»**

The main topic of the session is discussion of the future power industry in terms of security, environment, economics, and sustainable development, as an integral part of the global power industry of the future. The plenary session is held under the discussion involving international experts in the field of energy, politics, economics, representatives of environmental and public organizations.

Invited to participate:*Moderators:*

- **Kelvin Kemm**, Chairman of the Board of NECSA.

Welcome speech:

- **Sergey Kirienko**, First Deputy Head of the Administration of the President of the Russian Federation, Chairman of the Supervisory Board of ROSATOM State Corporation.

Speakers:

- **Alexey Likhachev**, General Director of ROSATOM State Corporation;
- **William D. Magwood, IV**, Director-General of the Nuclear Energy Agency of the Organization for Economic Cooperation and Development (OECD);
- **Agneta Rising**, General Director of the World Nuclear Association (WNA);
- **Daniel Verwaerde**, General Administrator, Atomic Energie & Alternative Energies Commission, France;
- **János Süli**, Minister for «Paks»;
- **Lyubov Glebova**, Head of the Federal Agency for the Commonwealth of Independent States, Compatriots Living Abroad and International Humanitarian Cooperation (Rossotrudnichestvo);
- **Mikhail Chudakov**, Deputy Director General of Department of Nuclear Energy, IAEA;
- **Vladimir Semashko**, Deputy Prime Minister of the Republic of Belarus;
- **Tom Blees**, President of the Science Council for Global Initiatives (SCGI).

12.30-2.00 pm

Conference
hall No. 1

2.00-3.00 pm

LUNCH

3.30 - 6.00 p.m.
Conference hall No. 2

Round-table:

«Humanitarian support of the economic integration by the example of the NPP construction project: economic efficiency and ensuring public acceptability»

The main topic of the round-table conference is to study humanitarian initiative implementation practices of Russian and foreign companies abroad, as well as approaches to assessment of the humanitarian activities effect on business project development

Invited to participate:

Moderator:

- **Alexander Adamskiy**, Research Advisor of the Eureka Institute of Problems of Educational Policy

Speakers:

- **Lyubov Glebova**, Head of Rossotrudnichestvo;
- **Kirill Komarov**, First Deputy Director General for Corporate Development and International Business, ROSATOM State Corporation;
- **Elena Seregina**, Director of the Department of Corporate Social Responsibility of the MTS Group;
- **Elena Feoktistova**, Director of the Office of Corporate Responsibility, Sustainable Development and Social Entrepreneurship, Russian Union of Industrialists and Entrepreneurs;
- **Matti Soronen**, Mayor of Pyhajoki (Finland);
- **Alexey Kalinin**, Academic Director of the SKOLKOVO Developing Market Research Institute;
- **Vladimir Scherbakov**, Doctor of Economics, Professor at the Logistics and Trade Policy Department of the Saint Petersburg State Economic University.

Session 1 – Speakers’ reports

Topics of reports:

- Practices of humanitarian initiative implementation – examples of projects implemented and results obtained. The round table members will share their experience of humanitarian initiative implementation in the form of reports. The point is to consolidate the experience and methods in the field of humanitarian engineering. The round table will review the projects and initiatives of the nuclear power industry, as well as examples of such projects in other businesses and state structures. The speakers in their reports will tell the round table audience about various social and humanitarian activities implemented including those related to comprehensive strategic projects.

Key issues:

- Identification of the demand for humanitarian projects;
- What social and business results were achieved in the course of the project implementation?
- Methods of networking cooperation with other structures and companies involved in the project;
- Was the local population involved in the project? If yes, in what way? How was the public acceptance formed?

Session 2 – Discussion

Issues for discussion:

- Research methods used to identify the demand of foreign countries’ population for humanitarian products and services; methods of identifying the demand of the population for non-humanitarian products and services that can be further used for implementation of humanitarian projects;
- Criteria of an efficient humanitarian project? How to develop the most efficient and long-term humanitarian project based on the demand identified and track the dynamics of its efficiency?
- Prospects of humanitarian activities in the regions of nuclear technology promotion. Readiness of Russian companies to use new approaches involving active performance in the humanitarian field.

3.30-6.00 pm
Conference hall No. 3

Round-table:

«Nuclear energy: the energy of the future or the relic of the past?»

The main topic of the round-table conference is discussion of a new approach in the power industry: a «smart» synergetic use of energy resources. Evaluation of the concept of small modular reactors.. Consideration of promising high-tech energy development projects.

Invited to participate:

Moderator:

- **Tom Blees**, President of the Science Council for Global Initiatives (SCGI).

Speakers:

- Welcome speech by Rusatom Overseas
Evgeny Pakermanov, President, Rusatom Overseas;
- Welcome speech

- **Mikhail Chudakov**, IAEA Deputy Director General and Head of the Nuclear Energy Department;
 - «Synergy between different power generation technologies»
 - **Stephan Solzhenitsyn**, Senior Partner, McKinsey & Company;
 - «Prospects for small module nuclear power development»
 - **Kristiina Söderholm**, Head of Nuclear R&D, Fortum;
 - «Smart Grids significance for future power-systems»
 - «Afterfuture: Nuclear energy contribution to sustainable future – creating new technological platforms»;
 - **Evgeny Adamov**, Research Advisor, Proryv (Breakthrough) Project Innovative and Technological Center;
 - «Countries’ Energy Perspectives»
- To be presented** by experts from the US, the UK, Czech Republic, the Philippines, Ghana.

Experts:

- **Rt Hon Charles Hendry**, President, Russo-British Chamber of Commerce, UK;
- **Donald Hoffman**, President/Chief Executive Officer, Excel Services Corporation, US;
- **Donato D. Marcos**, Assistant of the Energy Secretary of the Republic of the Philippines, Philippines;
- **Lenka Kovačovská**, Deputy Minister of Industry and trade, Czech Republic;
- **William Aidoo**, Deputy Minister, Ministry of Energy, Ghana;
- **Djeghri Nasserddine**, Chairman of COMENA, Algeria;
- **Facundo Deluchi**, Ministry of Energy and Mining, National Director of Nuclear Policy, Argentina;
- **Bruno Campos Barretto**, Eletronuclear CEO Brazil;
- **Stéphane Sarrade**, Deputy Director of Innovation and Nuclear Support, The French Alternative Energies and Atomic Energy Commission, France;
- **Djarot Wisnubroto**, BATAN, Indonesia;
- **Matthew Agu**, NAEC, Nigeria;
- **Simon Pesco Mallam**, Chairman, Nigeria Atomic Energy Commission, Nigeria;
- **Cesar José Cardozo Román**, Radiological and Nuclear Regulatory Authority, Paraguay;
- **Simon Giw D’Ujanga**, Minister of State for energy, Uganda;
- **Alexei Khokhlov**, Head of Electric Power program, Moscow School of Management SKOLKOVO;
- **Anton Poryadine**, Ernst&Young;
- **Artur Borocz**, Project Director, Atomenergopromsbyit;
- **Denis Borisov**, Project manager, Roland Berger;
- **Kirill Saburov**, Head of Marketing and Development, GE-RUS.

TRACK:

«Digital future: the next step in the development of nuclear technologies»

The main topic of the TRACK is discussion of the nuclear energy competitiveness in international markets under the world economy challenges. Evaluation of the IT platform of the NPP life cycle management technology. Estimation of the point solution method using digital technologies. Discussion of solutions and opportunities in the field of development of the regulatory structure that would take into account the current economy trends: procurement, government standards for project management.

Panel session:

Strategy/Government

«Practice of digital technology adoption. Government digitalization requirement»

Invited to participate:

Moderator:

- **Vladimir Knyagin**, Vice-President of the Fund “Center for Strategic Research”, Chairman of the Board of North-West Center for Strategic Research.

Speakers:

- «Digital Standards in the Eurasian space from the point of view of global movement towards digitalization of economy»
- **Karine Mynasyan**, Member of the Board (Minister) for domestic markets, informatization, information and communication technologies of the Eurasian Economic Commission;
- «Russian movement towards digitalization of economy: how we move towards it, what is expected from business in this regard»
- **Alexey Kozyrev**, Deputy Minister of Communications and Mass Media of the Russian Federation;
- «Government control in digital economy as illustrated by the nuclear sector»
- **Kirill Mikhalkin**, Deputy Head of the Federal Service for Environmental, Technological and Nuclear Supervision, FSUE «Safety»;

4.00 - 6.00
p.m.

Hall
«Auction
House»

- «Classification of industrial goods and services, Uber for industry»
Vladimir Raspopov, Director of Department of Operation and Development of GIS Industry, IDF;
- «The report topic is to be determined»
Kirill Varlamov, Director of Internet Initiative Development Fund (IIDF);
- «The place of Nuclear Industry in State Digital economy Program of Russia Federation»
Valentin Kostyukov, Director of Russian Federal Nuclear Center. All-Russian research institute of Experimental Physics, ASC Rosatom Company;
- «Digital Standards in the Russian construction space from the point of view of global movement towards digitalization of economy»
Igor Manylov General Manager of Russian Regulator for Construction;
- «Digital standards in information modelling (BIM)»
Hamit Movliarov Deputy Minister of Construction, Housing and Utilities of the Russian Federation.

Issues for discussion:

- Digital platforms. What does the term «platform» mean for various people: communication platform, IoT, Uber or a complicated system of processes connected in the common digital space?
- Key challenges, trends and development options of the digital economy;
- What has been done as of today?
- Main tasks and targets of the Government and business?
- What does the economy look like today from the point of digitalization and what will it look like in 10, 20, 50 years?
- Digital transformation drivers. Who is to blame?
- Technologies as the key driver for development of the Russian Federation economy;
- How the Government sees the Russian technological development and the Russian business on global technological markets of the future;
- What does the Russian business need for technological development and what instruments of support can the Government offer?
- The program of state measures to form absolutely new markets and create conditions for Russia's global technological leadership by 2035;
- Priority areas for development of economy and industry and improvement of its competitiveness;
- Assistance to Russian companies in implementation of world-class technological solutions to achieve competitiveness of domestic products (technological upgrade of Russian companies, supermarket of modern technological solutions, search for and transfer of world disruptive technologies, access to a unique international base);
- Transformation of the Russian economy and creation of regulatory environment: procurement, government standards for project management.

7.00 pm

CEREMONIAL RECEPTION FOR THE FORUM DELEGATES

JUNE 20

TRACK:

«Digital future: the next step in the development of nuclear technologies»

The main topic of the TRACK is discussion of the nuclear energy competitiveness in international markets under the world economy challenges. Evaluation of the IT platform of the NPP life cycle management technology. Estimation of the point solution method using digital technologies. Discussion of solutions and opportunities in the field of development of the regulatory structure that would take into account the current economy trends: procurement, government standards for project management.

Session №1 « Business 1.1. Best Practices of digital technology adoption»

Invited to participate:

Moderator:

- **Stuart Young**, Europe and Middle East Managing Director, FIATECH

Speakers:

- «Predix platform»
Sanjay Chopra, Head of the Global Division for Development of Digital Solutions for Energy and Business, Digital Solutions, GE;
- «Siemens expertise in creation of PLM platforms»
Sergey Martynov, Consulting Director, Siemens PLM Software;
- «The future of multiagent systems in solving complex engineering tasks»
Sergey Antipin, Adviser to President Group of companies «Genesis knowledge»;

10.00 am-6.00 pm

Conference hall No. 1

- «Digital platforms for lifecycle management of complex engineering objects»
Vyacheslav Alenkov, System Engineering and IT Director, ASE Group;
- «Digital transformation and IT-systems of Rosenergoatom, including section on the launch of its own data processing center»
Oleg Shalnov, Director, Department of IT Projects and Integration Management, Rosenergoatom;
- «Digital transformation experience of Nuclear division, Rolls Royce»
Neil Parison, Director, Strategic Accounts & GR – Nuclear, Rolls Royce;
- «ThingWorx in acatech industry 4.0 maturity journey»
Andrey Sholokhov, General Director, PTC Russia;
- «Digital future: the next step in the development of nuclear technologies»
Nikolay Godunov, Vice-President of ABB in Russia, Belarus and Central Asia and Head of ABB Industrial Automization in Russia.
- «The future of digital platforms»
Andrey Kuksov, Director for Innovations, Sberbank-Technologies;
- «Huawei Technology solutions for Russian market»
Alexey Konhin, iDC Business Development Director of Huawei.

Issues to be discussed:

- How business address modern challenges by technological development. Best international practices;
- NPP Life-Cycle Stages digital conversion;
- Development of Sectoral technological platform of Capital Projects Life Cycle Management;
- Digital Transformation and IT-systems of Rosenergoatom. Start of operation of the biggest Data Center in Europe;
- Intellectual Diagnostic and Assistant system on the basis of specialized cloud platform for medical services management, doctors and medical centers;
- Digital Automatic Process Control System Technologies;
- Systems of Project management and trends for development of platform solutions;
- Experience of international trade platform establishing and operation as an antitype of modern supermarket for technological solutions;
- Digital catalogues for industrial demands.

Session №2 «Business 1.2. Technological capabilities for business development»

Invited to participate:

Moderator:

- **Stuart Young**, Europe and Middle East Managing Director, FIATECH.

Speakers:

- The report topic is to be determined
Richard Crisp, IBM;
- The report topic is to be determined
Anatoly Levenchyk, President of Techinvestlab;
- «Advanced industrial technologies: SKOLKOVO capabilities for business development»
Alexey Belyakov, Vice-president, Executive Director of Space and Telecommunications Cluster, Skolkovo Foundation;
- The report topic is to be determined
Victor Dozortcev, Director for Innovative Solutions, JSC Honewell;
- The report topic is to be determined
Alexander Danilin, Head of Strategic Projects Division, Department of Government Relations, Microsoft;
- «End-to-end digital platforms as a basis for building integrated industrial solutions in different industries. Practices and plans»;
Boris Glazkov, Director of Strategic Innovation Center, PJSC Rostelecom;
- «Strategic plan for development of the national technological initiative»
Yevgeny Kovnir, Deputy Director of the “Young Professionals” Division, Strategic Initiatives Agency.
- «Industrial additive technologies»
Dmitry Trubashevsky, CSO, SOLVER;
- The report topic is to be determined.
Pavel Bilenko, Director, Tekner.

Issues to be discussed:

- World economic trends and challenges;
- Progress of technological development in different sectors of economy;

- How different sectors see technological development on the horizon of 15-20 years;
- Technologies of the future (50-100 years);
- Artificial Intellect, Robotics;
- Smart platform: 3D-printing, drones, blockchain, smart-contracts and others. The building site without people, myth or reality?
- Full cycle construction, fast passing data to operating organization, automate service and repair, replacement of equipment;
- Predictive technologies.

**Round-table:
«Formation of the human capital for sustainable development of the nuclear industry: how to walk on stones without slipping?»**

The main topic of the round-table conference is discussion of the best practices in building the personnel managements in the organizations responsible for the implementation of a NPP project and/or a project of the Center for Nuclear Science and Technology: competencies, training trajectories, organizational structures, and interaction with government agencies. Consideration of methods for personnel training for national nuclear programs, starting with the stage of the introduction of nuclear infrastructure.

Session 1 – Speakers’ reports

Invited to participate:

Moderator:

- **Vladimir Artsyuk**, Vice-rector of ROSATOM-CICE&T.

Speakers:

- «Stages of the national infrastructure development for the nuclear sector in the IAEA for the last 10 years»
Milko Kovachev, Head of the IAEA Nuclear Infrastructure Development Section;
- «Forming a team for the operation of the first NPP in the country»
Vladimir Gorin, Deputy Chief Engineer for Personnel Training - Head of the Astravets NPP training center;
- «Development of nuclear energy competences at Fortum»
Tiina Tuomela, Executive Vice President, Head of Fortum Generation;
- «Professional readiness of employees to implement national nuclear programs of new countries. Challenges, tasks, achievements and prospects»
Sergey Aksinenko, Director of Personnel Training Department, Concern Rosenergoatom JSC;
- «ROSATOM approach to training and education of partner countries»
Maria Oseeva, Human Resources Department ROSATOM State Corporation

Session 2 – Discussion

Invited to participate: ROSATOM State Corporation, JSC «Rusatom Service», Jordan University of Science and Technology (JUST), Fennovoima (Finland), TÜV SÜD Industrie Service (GmbH), MVM (Hungary), European Nuclear Education Network Association (ENEN).

**Round-table:
«Clean water» as one of the key factors of environmental sustainability: desalination, water treatment and purification»**

The main topic of the round-table conference is reduction of water resources as one of the major environmental and economic challenges in the mid-term, current solutions and new desalination technologies in water treatment: advantages, disadvantages, economic aspects of freshwater production. Market development prospects, potential regions of interest, major existing and new players, practical country cases to solve the problem of lack of drinking water by means of desalination, as well as the creation of effective water treatment systems, opportunities for integrating the desalination complex with high-power NPPs, maintaining a balance between the production economy and environmental protection. Development of ecologically friendly water management in the industrial enterprises.

Invited to participate:

Moderators:

- **Alexey Panteleev**, Head of the Fuel and Water Technology Department in the National Research University «Moscow Power Engineering Institute», Doctor of Physics and Mathematics.

Speakers:

- «Water treatment: global trends and Russia's prospects»
Denis Borisov, Roland Berger Strategy Consultants consulting company, Projects Manager;
- «Desalination and Wastewater Treatment to Increase Scarce Water Recourses for Sustainable Water Supply. Israel Experience»

10.00 am-1.00 pm

Conference hall No. 2

10.00 am-1.00 pm

Conference hall No. 3

Yury Oziransky, MASHAV International Agricultural Training Center. Israel's Agency for International Development Cooperation - Ministry of Foreign Affairs, Head of Russian Division;

- «Desalination of sea water – modern technologies and solutions»

Representative of Viola Water Technologies;

- «Opportunities and challenges related to the entrance of the Russian manufacturer to the foreign markets of desalination and water treatment»;

Pavel Makhnev, Head of Foreign Economic Activity of JCS PM Nanotech;

- «Prospects for the use of nuclear technologies to solve water deficit problem. Integration of a desalination complex with a high-capacity NPP»

Ksenia Sukhotina, First Deputy General Director for Strategy and Organizational Development of JSC Atomenergomash;

- «Sought-after technologies and solutions in the field of water treatment and water purification in a modern megalopolis by the example of Moscow»

Mikhail Stepanov, General Director of JSC MosvodokanalNIIprojekt;

- «Current water treatment market problems and possible approaches to solve them»

Sergey Gromov, Director General, OOO Akvareon;

- «Sought-after technologies and equipment to minimize impact on water environment in the petroleum industry»

Yury Erokhin, Head of Health, Safety and Environment Department of JSC Gazpromneft Moscow Refinery.

Round-table:

«Environmental safety of the nuclear industry: strategy, regulation, and technologies»

The main topic of the round-table conference is discussion of the sustainable development agenda and strategic goals of ROSATOM State Corporation in the field of ensuring ecological safety, the legislation development principles in the field of environmental protection, the regulation of nuclear energy use safety, the strategy of ecological safety of the nuclear industry and accompanying tasks in the field of technological development, development of a security culture and publicity in interaction with the society.

Invited to participate:

Moderator:

- **Vladimir Grachev**, ROSATOM State Corporation Environmental Policy Implementation Coordinator.

Welcome speech:

- «Ensuring environmental safety as a key task of the Rosatom State Corporation Agenda for sustainable development»

Vladimir Grachev, ROSATOM State Corporation Environmental Policy Implementation Coordinator.

Speakers:

- «Climate changes and future energy landscape»

Ben Heard, Founder & Executive Director Bright New World, (Australia);

- «New energy platform: nuclear power engineering on fast neutrons and closed fuel cycle - environmental aspect»

Rudolf Aleksakhin, Chief Ecologist of the Proryv Project; **Evgeniy Spirin**, Head of the Department Chief Ecologist of the Proryv Project; **Vladimir Solomatn**, Principal Specialist of the Department Chief Ecologist of the Proryv Project. Innovation and technology center for the «PRORYV» project»;

- «The outlook on nuclear energy potential for developing countries: the East African region case»

Thuo Njoroge Daniel, Resident Analyst for GBS AFRICA, Economics and Policy Analysis lecturer at the School of Business, Karatina University (Kenya) Engagement Lead for the Extractives Hub in Kenya

- «Ensuring the ecological safety of nuclear power from a technological standpoint: global trends»

Dr. Anthonie Cilliers, Programme Manager: Nuclear Engineering, North-West University (South Africa);

- «Legal basis on regulatory control for radioactive discharges to environment»

Anton Kuryndin, head of division of Science and Engineering Center for Nuclear and Radiation Safety;

- «Environmental safety of Russian NPPs: current status and prospects»

Tatiana Palitskaya, Chief Expert of the Department of Emergency Preparedness and Radiation Protection of Rosenergoatom Concern JSC

- «Strategic directions of development of ecological safety of fuel division TVEL»

Semyen Batov, Head of the Department of Labor Protection, Industrial Safety and Ecology of the Department for Nuclear, Radiation, Industrial Safety and Ecology of JSC «TVEL»;

- «Nuclear Legacy – Integrated and Long-Term Environmental Safety Aspects»

Igor Linge, Russian Scientific Commission on Radiological Protection member, Doctor of Engineering Science, Deputy Director; **Sergey Utkin**, Russian Scientific Committee on Radiological Protection member,

10.00 am-1.00
pm

Conference
hall No. 4

Doctor of Engineering Science, Head of Department; **Marina Vedernikova**, PhD, Researcher; **Andrey Samoylov**, Senior Specialist; Nuclear Safety Institute of the Russian Academy of Sciences;

- «SC UEIP Sustainable Development Management»

Dmitry Shibalenkov, Environmental Engineer of SC UEIP.

1.00-2.00 pm

LUNCH

Round-table:
«Foresight. ROSATOM-2040»

The main topic of the round-table is discussion about the global technological trends that influence on development of nuclear energy generation up to 2040.

Invited to participate:

Moderator:

- **Stephan Solzhenitsyn**, Senior Partner, McKinsey.

Speakers:

- «World Economic and Technological Trends»
Sergey Petrov, Director of Strategic Development, ROSATOM State Corporation»;
- «Carbonless and autonomous vehicles expansion»
Sébastien Léger, Partner, McKinsey;
- «Long-run perspectives of nuclear energy»
Chris Gadomski, Head of Nuclear Research, Bloomberg New Energy Finance;
- «AI and robotization: current situation and development perspectives of development»
Kirill Korniliyev, Vice-President on Sales, IBM Central and Eastern Europe;
- «Digitalization of global economy»
Boris Bobrovnikov, General Director, CROC;
- «New materials and methods of industrial production (inc. additive technologies)»
Nicolas Boutin, Partner & Managing Director, BCG.

2.00-4.15 pm

Conference
hall No. 2

Round-table:

«Renewable energy: Integration into the global supply chain. Are there any perspectives?»

The main topic for discussion is the renewable energy a unique opportunity for the development of a new high-tech industry in Russia. Our expectations and dividends of the new industry.

Invited to participate:

Moderator:

- **Vladimir Knyagin**, Vice-President of the Fund «Center for Strategic Research», Chairman of the Board of Center of Strategic Research, North-West.

Speakers:

- **Oleg Tokarev**, Deputy Director of the Department of the Ministry of Industry and Trade of Russia;
- **Yury Eroshin**, Vice-President of Manufacturing Portfolio and Trading Management, JSC Fortum;
- **Emin Askerov**, Deputy General Director - Director for International Business Development of JSC OTEK;
- **Alexey Dremuchev**, Deputy General Director, Commercial Director of UMATEX Group;
- **Denis Borisov**, Head of the «Energy and Infrastructure» projects, Roland Berger;
- **Alexey Khokhlov**, Head of the Electrical Power Supply Division at the Energy Center of Moscow School of Management, «Skolkovo»;
- **Sjoerd Sieburgh Sjoerdsma**, Director Licensing & Ventures, Lagerwey;
- **Roland Roesch**, Senior Program Officer for Renewable Energy Markets and Technology Dialogue, IRENA;
- **Madhusudan Khemka**, Managing Director, ReGen Powertech Private Limited.

2.00-3.45 pm

Conference
hall No. 4

JUNE 21

Round-table:
«Intellectual Automation and Electrical Engineering»

Plenary Meeting

Invited to participate:

Moderator:

- **Andrey Butko**, General Director of JSC RASU.

Speakers:

- «Using NPP information models to manage project data of the most important systems and equipment at all life cycle stages»

10.00 am-3.00
pm

Conference
hall No. 4

Maxim Gladyshev, IAEA Knowledge Management Specialist;

- «Developing solutions of JSC RASU in the field of digital economy»
Alexey Markov, JSC RASU;
- «The company's R&D strategy»
Konstantin Komissarov, Schneider electric;
- «Developing the new generation NPP using IoT-based digital solutions»
Tadasi OI, Mitsubishi Electric;

Session «Automatic Process Control System»

Invited to participate:

Moderator:

- **Vladimir Sivokon**, Advisor to the General Director of JSC RASU.

Speakers:

- «Managing requirements and configuration control when creating modern APCS for NPP»
Alexey Chernyaev, JSC RASU;
- «Capability and reliability analysis for the TIEPERM®XS Digital Safety I & C platform – quantitative and qualitative assessment»
Steffen Richter, AREVA NP; **Grisha Peikert**, Siemens;
- «Development of a competitive TPTS platform to build any security class systems»
Stanislav Gritsenko, **Konstantin Artemiev**, FSUE VNIIA;
- «Future Global Trend: building DCS of important NPP using means of non-programmed logic»
Evgeniy Andropov, Moscow Fizpribor LLC;
- «Architectural features and technical characteristics of prospective technical means of radiation monitoring»
Vladislav Belov, JSC SNIIP;
- «The role of system engineering for ensuring safety and reliability at all stages of intelligent automation lifecycle»
V. Volkov, «Foresight Pro»
- «Establishing and developing cybersecurity competences center at ROSATOM State Corporation»
Vladimir Durnev, **Oleg Iobanok**, JSC VNIIAES;
- «Rolls-Royce safety I&C supports licenseability of VVER export units Presenter»
Jana Kubinova, Customer Business Manager, Rolls-Royce Civil Nuclear.

Session «Electrical Engineering»

Invited to participation:

Moderator:

- **Gennady Shishkov**, Head of Electrical Engineering Division at JSC RASU

Speakers:

- «The concept of active coast protection and energy supply based on the RES development»
Valery Rodionov, JSC RASU;
- «The concept of improving the system for monitoring, diagnosing and assessing the state of electrical equipment at the facilities of ROSATOM State Corporation»
Viktor Sushko, JSC RASU, FSUE VEI;
- «Development of a system for control, monitoring and diagnostics of transformers in the framework of the creation of an industry diagnostic system for electrical facilities»
Sergey Evseev, FSUE Sedakov Scientific Research Institute of Measurement Systems.

10.00 am-6.00
pm

EVENTS OF THE YOUTH DAY

6.00 pm

END DATE OF THE FORUM