

**PROGRAM OF ATOMEXPO 2018,
THE 10TH ANNIVERSARY INTERNATIONAL FORUM
“GLOBAL PARTNERSHIP – JOINT SUCCESS”**

MAY 14

**10:00–12:00
Yellow Hall**

Round table:

An Effective Internal Control System as a Condition for Achieving Goals

Moderator:

Anna Davydova, Partner, PwC

Elena Egorova, Partner, EY

Presenters:

Alexander Loktev, Director, Internal Control & Audit – Chief Controller, ROSATOM

Roman Artyukhin, Head, Federal Treasury

Evgeny Danchikov, Head, General Accounting Office, City of Moscow

Sergei Romanov, Director, Department of Budget Methodology and Financial Accounting in the Public Sector, Ministry of Finance of Russia

Anna Lerner, Director, Internal Audit Department, Rostelecom

Yuri Zheimo, Internal Audit Director, Megafon

Alexander Dolgoplov, Head, Internal Control & Audit Department, SUEK

Leonid Dushatin, Director, Internal Audit Department, Aeroflot

Vladimir Kremenitsky, Internal Audit Director, SIBUR

Galina Delvig, Head, Internal Audit Department, Gazprom Neft

Kristina Lagerstedt, VP, Audit & Assurance, Sanoma Group, Finland

Ruby Srivastava, Director of Finance, Nuclear Power Corporation Of India, India

K. Atique-e-Rabbani, President, Institute of Internal Auditors, Bangladesh

Abdallah Mohamed, President, Institute of Internal Auditors, Egypt; Chief Internal Auditor, Egyptian Drilling Company

Ara Chalabyan, President, Institute of Internal Auditors, Armenia; Chief Auditor of the Central Bank of Armenia

Topics for discussion:

- *Effective and efficient internal control system: yesterday, today, and tomorrow. Efficiency criteria for internal control systems*
- *Barriers and prospects in shaping an effective and efficient internal control system? Internal control and internal audit: their usefulness for customers*
- *Internal control and internal audit as a business partner sharing risk liability: what is the strategy for developing internal control and audit?*

**10:00–12:00
Green Hall**

Round table:

NPP Operation

Presenters:

Andrey Petrov, Director General, Rosenergoatom

Rosenergoatom: Opening remarks

Jacques Régaldo, Chairman, World Association of Nuclear Operators (WANO)
Opening Remarks

Andrey Dementyev, Deputy Director General, Rosenergoatom
NPP operation in Russia: Today and Tomorrow

Michel Buisset, Director, Staff Corporate Management of the Nuclear
Exploitation, EDF
EDF and Rosenergoatom collaboration in safe operation, achieved results

Dariusz Nowak, Director, Modernization and resource Department, Kozlodui
NPP
*Lifetime extation of Kozloduy NPP units Nos 5,6 for 30 years with power uprate
up to 104%*

József Elter, Director of Technical Support Department, Paks NPP
Safety and efficiency go hand in hand at Paks NPP

Panel discussion

Discussion topic:

What lessons have been learnt? What questions are to be answered?

Discussion participants:

Oleg Shalnov, Director, IT project management and integration Department,
Rosenergoatom

Naohiro Masuda, Executive Vice President, Tokyo Electric Power Company
Holdings (TEPCO)

Biswas Gautam, Executive Director for light water Reactors, NPCIL

István Hamvas, Director General, Paks NPP

Milan Molnár, Director, Assets Management Division, Slovenske Electrarne

Mohammad Ghods, Director General, TAVANA

Closing remarks:

Stephan Solzhenitsyn, Senior Partner, McKinsey

10:00–12:00
Blue Hall

TRACK:

PEOPLE OF NUCLEAR INDUSTRY:

Panel Discussion: Changes in HR Management in the Era of Digitalization

Moderator:

Vladimir Soloviev, Managing Partner, Everyco

Presenters:

Tatiana Terentyeva, HR Director, ROSATOM

Presentation: “HR: Challenges and Opportunities in the Era of Digitalization”

Ekaterina Genkina, Manager, Human Capital Advisory Services and

Organizational Change, Deloitte
Presenting the results of Deloitte's research project Global HR Trends in the Era of Digitalization;

Anna-Maria Friedrich, Senior Business Architect for SAP Solutions in HR Management, SAP SE
"Global trends' reflections in HR-practices, HR-services, and HR-instruments";

Natalia Boksha, Partner, McKinsey & Company
"Successful approach to human resources management in the era of digitalization; a case from the world's practice"

Chrysafidis Evangelos, CEE Government Lead, Microsoft
Presentation topic TBA

Péter Bognár, Director, HR management, Paks II
Presentation topic TBA

Panel discussion with the round table participants. Q&A.

10:00–12:00
Orange Hall

Round table:

'Green' Investments: Creating Opportunities, Expanding Horizons

Moderator:

Michael Akim, Vice President, ABB Russia

Presenters:

Kirill Komarov, First Deputy Director General for Corporate Development and International Business, ROSATOM

How to make the most of the nuclear renaissance?

Benefits ROSATOM'S projects provide to Investors.

Ilya Rebrov, Financial Director, ROSATOM

ROSATOM Financial Solution;

Andrei Gritsevsky, Analyst for Energy Systems, Economic Planning, and Knowledge Management, IAEA

Nuclear Power Projections

Panel discussion. Q&A

Participants:

Henri Proglío, member of ROSATOM'S International Consulting Council, Member of the Board of Akkuyu Nükleer and Fennovoima OY

Timur Khairtdinov, Director, Structural and Project Financing, EXIAR

Vadim Dormidontov, Vice President, Gazprombank

Lubinda Haabazoka, Director, The University of Zambia, Graduate School of Business

10:00–12:00
Gray Hall

Round table:

Globalization as a Key Success Factor: Building NPPs in the Partnership

Circuit

Moderator:

Alexei Khokhlov, Head of the Electric Power Sector, Moscow School of Management Skolkovo

Presenters:

Alexei Khokhlov, Head of the Electric Power Sector, Moscow School of Management Skolkovo

Opening remarks;

Reinhard Wagner, Chairman of the Council, IPMA

Competences required for clients/strategic partners in managing mega-projects

Jean-Denys Arnal, Executive Director, Bouygues

Partnership approach in Large International Engineering and Infrastructure Projects

Alexander Khazin, Vice President, Atomstroyexport

ROSATOM'S partnership-based work scheme for NPP construction

Laurent Kueny, Vice-President Nuclear Services, Bureau Veritas

The experience of working on Russian and foreign projects in the field of quality management, the audit of the suppliers in the development of a Global Supply Chain

Noel Camarcat, Special Advisor on Nuclear Power R&D and International Cooperation, EDF

Status of French nuclear industry reorganisation: EDF's approach to New Nuclear market

13:30–13:45
Green Hall

TRACK:

DIGITAL FUTURE AND INDUSTRY 4.0

On ROSATOM'S Digital Transformation Strategy and the Principal Strategy in the Digital Track

Ekaterina Solntseva, Advisor to the Director General, ROSATOM

13:45–15:30
Green Hall

TRACK:

DIGITAL FUTURE AND INDUSTRY 4.0

Life-cycle Management: What Does The Customer Want – A Physical Object or a Management Platform?

Moderator:

Konstantin Polunin, Partner, Associate Director, Head of the Public Sector Practice Area, The Boston Consulting Group

Presenters:

Alexey Belyakov, Vice-President, Executive Director of Advanced Manufacturing Technology Cluster, Skolkovo Foundation

On integrating innovative companies' solutions into corporations' digital

platforms

Robert Fletcher, President of Nuclear Services and Projects, Rolls-Royce
Intelligent Nuclear Power – stepping into the future

Vincent Champain, GE Digital Foundry Europe
Digital twin and cloud platforms: advanced digital technologies for the nuclear industry

Vyacheslav Alenkov, Director for System Engineering and IT, Atomstroyexport
Transformation of the approach to capital construction using full lifecycle digital platforms

Vladimir Bitkin, Russia and CIS Sales Director, Siemens
Digital factory

Mikhail Akim, Vice President, ABB Russia
The experience of developing module platforms for various industrial sectors

13:30–15:30
Blue Hall

Round table:

Harmony in Public Acceptance: Can the Global Nuclear Industry Achieve it by 2050?

Moderator:

Ben Heard, PhD, Founder and Executive Director, Bright New World

Presenters:

Jeremy Gordon, Advisor, Harmony project, World Nuclear Association

Kirill Komarov, First Deputy Director General for Corporate Development and International Business, ROSATOM

Minna Forsström, Hanhikivi 1 NPP Project Director, Fennovoima Oy

Attila Aszodi, Government Commissioner in charge of the Paks II project

Discussion participants:

Christian Vega, President, Argentine Youth Nuclear Generation

Anthonie Cilliers, Pr.Eng, Regional Coordinator, AFRA-NEST

Carlo Arcilla, Ph.D., Director, Philippine Nuclear Research Institute

Basset Buyukah, Director, Publicity & Advocacy, Kenya Nuclear Electricity Board

Robert Sogbadji, Ph.D., Deputy Director for Nuclear and Alternative Energy; Coordinator, Ghana Nuclear Energy Program

13:30–15:30

Round table:

Orange hall

Building Capacity in Countries Embarking on or Expanding Their Nuclear Power Programmes

Chairman: Mikhail Chudakov, Deputy Director General, IAEA

Moderator: Milko Kovachev, Head, Division of Nuclear Power, IAEA

Presenters:

Mikhail Chudakov, Deputy Director General, IAEA

Opening remarks. IAEA Support to Embarking Countries Including Key Review and Advisory Services

Evgeny Salkov, Director General, Rusatom Service / **Tatiana Terentyeva**, HR Director, ROSATOM

The significance of nuclear infrastructure in implementing the projects of countries embarking on or expanding their nuclear programs. A vendor's take, risks in implementing foreign nuclear projects

Alexei Ferapontov, Deputy Head, Federal Service for Environmental, Technological, and Nuclear Supervision (Rostekhnadzor)

The significance of regulatory control of nuclear infrastructure. The experience of Rostekhnadzor

Mohamed Abdalla Ali Sultan Chookah, Executive Director of Nuclear Fuel Procurement and Analysis, ENEC

The UAE: the experience in developing nuclear infrastructure facilities

Lilia Dulinets, Head, Department of International Cooperation, Personnel Training and Communications at the Nuclear Energy Department, Ministry of Energy, Belarus

Case on Experience of Nuclear Infrastructure Development (Belarus)

Panel discussion

Participants:

Juan Manuel Gonzales Floras, Head, Department of Nuclear Research, Safety, and Cooperation

Ahab Abdel-Aziz, Director, Nuclear Power Generation, Gowling WLG

Lubinda Haabazoka, Director, The University of Zambia, Graduate School of Business

Mutaz Musa Abdullah Salim, Minister of water resources, irrigation and electricity, Sudan

Laurence Daziano, Director for statutory regulations, SCNF

Tomas Batuecas Suarez, Tecnatom, Spain

Yanko Yanev, Director General, International Knowledge Management Institute; leader, Vienna International Nuclear Competence Centre – VINCC

Ahmed Mohammed al-Rumaithi, Deputy Chief Executive Officer, Emirates Nuclear Energy Corporation, ENEC

Dr. Subrata Saha, Associate Director, NPCIL, Embassy of India, Moscow

13:30–15:30
Gray Hall

Round table:
How Clean and Green is Nuclear Energy?

Moderator:
Ryan Chilcote, PBS News

Presenters:
Evgeny Pakermanov, President, Rusatom Overseas
Opening speech

Speakers:
Agneta Rising, Director General, World Nuclear Association;

Andreas Lusch, President & CEO, Steam Power, GE Power GE Power Steam Power Systems

Walter Pfeiffer, Partner in the global Energy & Chemicals Competence Center, Roland Berger GmbH

ROSATOM/ Rusatom Overseas

Key topics:

- *Conventional and future approaches to power market design: nuclear, renewables and demand-led market;*
- *Potential for synergy of nuclear power and renewables;*
- *Nuclear power contributing to sustainable & efficient energy mix;*
- *Nuclear power and climate change mitigation: Paris Agreement goals;*
- *New approaches for countries to build an efficient energy mix.*

16:00–17:30
Plenary
Sessions Hall

PLENARY DISCUSSION "GLOBAL PARTNERSHIP – JOINT SUCCESS"

Moderator:
Charles Hendry, Minister of State for Energy and Climate Change (2010 – 2012), President of Board, Russo-British Chamber of Commerce, Honorary President of British Institute for Energy Economics

Speakers:
Alexei Likhachev, Director General, ROSATOM
William D. Magwood, IV, CEO, NEA OECD
Lyubov Glebova, Member of the Council of the Federation of the Russian Federation
Mohamed Shaker, Minister of Energy of Egypt
Mikhail Chudakov, Deputy Director General, IAEA
Hortensia Jimenez Rivera, General Executive Director, Bolivian Nuclear Energy Agency
Necati Yamaç, Deputy Undersecretary of Ministry of Energy and Natural Resources of Turkey
Vladimir Semashko, Deputy Prime-Minister, Republic of Belarus

18:30–20:00
Radisson Blu
Resort &
Congress Centre

ATOMEXPO AWARDS

09:30–10:00
Orange Hall

SPECIAL REPORT: “Lessons Learned from Experiences of the Great East Japan Earthquake at Fukushima Daini NPP”

Presenter: Naohiro Masuda, Executive Vice President, Tokyo Electric Power Company Holdings (TEPCO)

10:00–13:00
Green Hall

**TRACK:
DIGITAL FUTURE AND INDUSTRY 4.0
Panel discussion:
What Is the “Digital Future” of NPP Control Systems?**

Questions for discussion:

There is an opinion that NPPs will be the last place to use the Industrial Internet of Things, or IIoT, and other digital solutions. Does it mean NPPs will remain in the technological “stone age” or will digitalization have a place at NPPs? How susceptible are NPPs’ control systems to new technologies including IIoT, given all requirements for backup and safety? What needs to be done to maintain the balance of safety and progress in NPP control?

Moderator:

Sergei Minin, Expert, IoT Center of Excellence in Russia, PwC

Presenters:

Mikhail Chudakov, Deputy Director General, IAEA

Global technological trends: what will determine the face of nuclear energy in the nearest future?

Dmitry Chichikin, expert, WANO’s Moscow Center

Andrei Butko, CEO, JSC RASU

Maher Chebbo, Chief Officer, Global Power Digital Solutions, General Electric
Challenges and approaches to ensuring safe NPP operations given the increased use of digital technologies

Philippe Sauvard, Vice President, FRAMATOME

Today, compliance with qualification and certification requirements for APCS is an important condition for working on foreign markets. What challenges do APCS suppliers face and what efforts are required to overcome them?

Andrei Dukhvalov, Head, Advanced Technologies Department, Kaspersky Lab

Grischa Peikert, Director, Sales and Marketing, Siemens AG

Key principle and trends of APCS development in nuclear energy. How susceptible are NPPs control systems to new technologies including IIoT, given all requirements for backup and safety? What needs to be done to maintain the balance of safety and progress in NPP control? There is a feeling that NPPs will be the last place to use the Industrial Internet of Things, or IIoT, or they will not

use the IoT at all. Does it mean NPPs will remain in the technological “stone age” or will digitalization have a place at NPPs?

Alexei Kovalevich, Director General, Engineering and Technology Center GET
Now is the time of virtualization as an integral component of developing complex technological systems and controlling them throughout their life cycle. In 5–7 years, selling a nuclear power that does not have a ‘digital’ twin of the APCS will be impossible. What problems block its development and why is it still non-existent?

Konstantin Komissarov, Vice President, Head of the Infrastructure Business Division, Schneider Electric

Sun Yongbin Deputy Director General, CTEC, CGN
Global partnership as a tool for promoting/testing digital technologies, knowledge and competence exchange, developing uniform standards. How do we properly build cooperation on the sectoral scale and achieve synergetic effect?

Discussion with the round table participants. Q&A

10:00–13:00
Yellow Hall

Panel discussion:
**Total Cost and Time Management of NPP Construction Projects:
Constituents of Success in International Projects**

Moderators:

Alexander Tsvetkov, Director General, PMSOFT, Doctor of Technical Sciences; Full Member, Academy of Technical Sciences of the Russian Federation; Executive Director, Russia Section, Association for the Advancement of Cost Engineering (AACE International), CPM IPMA, cert.P2M

Ekaterina Puzhanova, President, Russia Section, Association for the Advancement of Cost Engineering (AACE International), Engineering Director, PMSOFT, Development Director, Project Management University

Presenters:

Oscar Mignone, Expert in Development and Project Management in the Nuclear Sector; Politecnico di Milano, School for Energy; ex Vice President, Enel, IAEA expert

Key success factors of the leaders on the market of NPP construction projects

Danilo Arba, Director, DA Consulting; President, Italy Section, Association for the Advancement of Cost Engineering (AACE International)

International approaches to introducing cost engineering and project management

Sean Regan, Director, Region 9, Association for the Advancement of Cost Engineering (AACE International since 2016), AACE CCP CEP EVP MRICS, Fellow Project Controls Guild, Chartered Quantity Surveyor RICS, President for International Business, OnTrack Engineering

Global partnership in managing the costs of strategic assets

Yogesh Parmar, Head of Nuclear Energy, AF Consult, Switzerland
Independent evaluation of the cost of major infrastructure construction projects is the guarantee of transparency of the system management for NPP construction projects

Anton Kurilenko, Head of the Project for Introducing Digital Technologies for Creating Company's Project Management Center; Gazpromneft Razvitie
Using digitalization technologies in managing large projects at Gazpromneft

Petr Stepayev, Director, OCKS ROSATOM
Comprehensive management of project cost and time in NPP construction: success constituents in ROSATOM'S international projects

Ekaterina Puzhanova, President, Russia Section, Association for the Advancement of Cost Engineering (AACE International), Engineering Director, PMSOFT, Development Director, Project Management University
Requirements for the sectoral digital platform for managing capital investment in the nuclear sector

Andrei Golovanov, Head, Sectoral Construction Complex Development, OCKS ROSATOM
Ensuring leadership by developing professional competences in the construction complex

10:00–13:00
Blue Hall

TRACK:
PEOPLE OF NUCLEAR INDUSTRY
Panel discussion:

Education 4.0: How to Train Engineers of the Future

Moderators:

Robert Urazov, Director General, "Young Professionals" Union (WorldSkills Russia)

Stepan Kalmykov, Corresponding Member, RAS; Dean, School of Chemistry, Lomonosov Moscow State University

Presenters:

Patricia Wieland, Head, World Nuclear University

Training 'nuclear' leaders of the future

Pedro Porras, Executive Director, ENEN

Presentation on today's main challenges in training young personnel; how to preserve the expertise and train the new generations? The practice of ENEN

Yanko Yanev, Director General, International Knowledge Management Institute; leader, Vienna International Nuclear Competence Centre – VINCC
Projects in knowledge preservation and new competences development

Maria Ganchenkova, Director, Higher School of Engineering, National Research Nuclear University MEPhI

Training engineers of the future: The practice in the National Research Nuclear

University 'MEPhI'

Anthonie Cilliers, National Coordinator, South African Nuclear Education, Science and Technology
The South African practice of training engineers

Miko Olkkonen, Fortum Power and Heat Oy
Using digital technologies (VR/AR) in training nuclear plant personnel. The practice of Fortum

Panel discussion. Q&A.

Participants:

Patricia Wieland, Head, World Nuclear University

Pedro Porras, Executive Director, ENEN

Yanko Yanev, Director General, International Knowledge Management Institute; leader, Vienna International Nuclear Competence Centre – VINCC

Maria Ganchenkova, Director, Higher School of Engineering, National Research Nuclear University MEPhI

Christian Vega, President, Argentine Youth Nuclear Generation

Anthonie Cilliers, Pr.Eng, Regional Coordinator, AFRA-NEST

Professor Ramamurti Rajaraman, India

Elena Osipova, Head, Digital Transformations Department, Atomstroyexport

10:00–13:00
Orange Hall

Round table:

The Life Cycle of Nuclear Fuel. Challenges and Forward-Looking Solutions

Moderator:

Fletcher Newton, President, TENAM Corp.

Vladimir Asmolov, Advisor to the CEO, ROSATOM; Chair, STC No. 1 ““Nuclear power installations and nuclear power plants””, Member of the Group of International Advisors to IAEA Director General
Russian nuclear power development up to 2050 and prospects for a period up to 2100

Luc Van Den Durpel, Managing Director, Nuclear-21

On the values of closed nuclear fuel cycle in view of competition and energy market uncertainties

Mikhail Skupov, Deputy Director General – Director, Director of Research and Design Technological Department of Fuel Elements for Fast Gas Reactors, Bochvar Inorganic Materials Hi-Tech Research Institute
Mastering the technology for fabrication of U-Pu nitride fuel involving minor actinides and fuel cycle

Jean-Yves Blanc, Engineer in Charge of International Collaborations, Nuclear Energy Division, CEA
Fuel cycle scenarios in France

Dmitry Kolupaev, Chief Engineer, Mayak Production Association

Prospective solutions for closing-up nuclear fuel cycle

Peter Breitenstein, Senior Vice President Backend Sales Department, ORANO
Challenges and drivers for utilities: ORANO's Multi-tool Approach for Responsible Back-End Solutions

Attila Aszódi, State Secretary for the maintenance of the capacity of the Paks NPP, Government of Hungary
Customer requirements to radwaste generated as a result of SNF reprocessing

Mikhail Baryshnikov, Head, Innovative Products Development Department, TENEX
Innovation nuclear fuel cycle. Present and future

Panel discussion:

Participants:

Vladimir Asmolov, Advisor to the CEO, ROSATOM; Chair, STC No. 1 “Nuclear power installations and nuclear power plants”; Member of the Group of International Advisors to IAEA Director General

Vladislav Korogodin, Director of NFC and NPP Life Cycle, ROSATOM

Jean-Yves Blanc, Engineer in Charge of International Collaborations, Nuclear Energy Division, CEA

Peter Breitenstein, Senior Vice President Backend Sales Department, ORANO

Anzhelika Khaperskaya, Senior Manager, Spent Nuclear Fuel Management Project Office, ROSATOM

Luc Van Den Durpel, Managing Director, Nuclear-21

Attila Aszódi, State Secretary for the maintenance of the capacity of the Paks NPP, Government of Hungary

Jamal al-Ahbabi, Radioactive Waste Management Manager, ENEC

10:00–13:00
Gray Hall

Round table:

SMR: Smaller Solutions for a Bigger Future

Moderator:

Alexander Kamenskov, Junior partner, McKinsey & Company

Evgeny Pakermanov, President, Rusatom Overseas

Opening speech

PART 1: VENDORS' SOLUTIONS:

Speakers:

Alan Woods, Director, Strategy & Business Development, Rolls Royce

or

Martin Goodfellow, Strategy&Business Development Manager, *Rolls Royce*

or

David Orr, Director, Future Programmes&Technology *Rolls Royce*

Rolls Royce

Tong Jiejuan, Professor, Tsinghua University

China SMR technologies

Representative of ROSATOM

RITM Series

Nikita Konstantinov, Deputy Director General, Rosenergoatom

FNPP «Akademik Lomonosov»

PART 2: INTERNATIONAL MARKET PERSPECTIVES

Countries with an interest in implementing an SMR project:

- **Jordan (TBD)**
- **Sudan (TBD)**

Peter Bird, Senior Advisor to Rothschild, based in Singapore

Market outlook

Stefano Monti, Head of the Nuclear Power Technology Development Section

International framework: IAEA

13:00–14:00

BREAK

14:00–17:00
Yellow Hall

TRACK:

NEW POWER ENGINEERING

Round Table:

Russia as a “New Energy” Market Player. Is There Potential for Entering the International Market?

Moderator:

Alexey Khokhlov, Head of the “Electricity” Branch of the Energy Center, Moscow School of Management “Skolkovo”

Presenters:

Alexey Khokhlov, Head of the “Electricity” Branch of the Energy Center, Moscow School of Management “Skolkovo”

The introduction of participants, goals and objectives of the round-table discussion

Roland Roesch, Deputy Director of the Innovation and Technology Center, IRENA

Presentation topic TBA

Walter Pfeiffer, Partner in the Global Energy & Chemicals Competence Center, Roland Berger GmbH

International experience of the company’s utilities and OEMs in diversifying and developing the new energy area

Emin Askerov, Deputy Director General for Development and International Business, JSC “NovaWind”

“NovaWind” Product Strategy - response to the “new energy” market challenges

Willem Coppolse, Head of Illiquid Market Origination, ENGIE

Presentation topic TBA

Enver Shulgin, Vice-president, Local Division Manager ABB in Russia, Belarus and Central Asia Robotics and Motion, ABB Ltd

Presentation topic TBA

Vladimir Sidorovich, Director General, The Autonomous Non-commercial Organization “Institute of the Energy-efficient Technologies in Construction”

Presentation topic TBA

Dmitry Kholkin, Head of Project Center for Innovation Development, The “Center for Strategic Research” Fund;

Presentation topic TBA

Emin Askerov, Deputy Director General for Development and International Business, JSC “NovaWind”

Summing up

Alexey Khokhlov, Head of the “Electricity” Branch of the Energy Center of the Moscow School of Management “Skolkovo”

Closing remark. Summing up

Topics for discussion:

The industrial revolution, development of distributed generation and renewable energy predetermine the need for new solutions in the energy sector and open new opportunities for Russian companies in the international market.

- *The difference between «traditional energy» and «new energy»: opportunities and threats for utility companies.*
- *The business response to the new challenges. What do the Russian and international players offer to the market?*
- *Strategic models for Russian businesses. What way to take – to start from the scratch or to build up partnerships?*

14:00–17:00
Green Hall

TRACK:

DIGITAL FUTURE AND INDUSTRY 4.0

Round table:

Additive Technologies as an Essential Component of the New Industrial Revolution

Moderator:

Blanca Czost, Head, Additive Manufacturing Capacities Center (EC), Oerlikon AM

Presenters:

Alexei Dub, Director General, Rusatom Additive Technologies

Dmitry Nikitin, Deputy Director, Department of Machine-Tool Building and Investment Engineering, Ministry of Industry and Trade of the Russian Federation

Ivan Makarin, President, Oerlikon Russia

Mikhail Perevozchikov, Head, Additive Manufacturing Technologies and

Business Development in Russia, Oerlikon AM

Iskander Akhatov, Professor, Head, Center for Design, Manufacturing & Materials

Yuri Shmotin, Deputy Director General – Chief Designer, United Engine Corporation

Oleg Entin, Director, Russia and CIS Sales, GE Additive

Alexander Dyachenko, Director General, Light Materials and Technologies Institute, RUSAL

Gleb Turichin, Acting Rector, St. Petersburg State Maritime Technical University

Dmitry Sukhov, Head, Materials Testing Sector, Candidate of Technical Sciences, All-Russian Institute Of Aviation Materials

Topics for discussion:

- *Additive technologies: industrial trend and driver of Industry 4.0*
- *Additive technologies: principal trends and development prospects globally and in Russia*
- *Developing additive technologies as a key area in the strategic development of digital manufacturing: engineering and the energy sector*
- *Problems and issues in introducing/using additive technologies in manufacturing (the issues in certifying materials and products made of these materials)*

14:00–17:00
Blue Hall

Round table:

**International Scientific Cooperation and Advanced Research
Infrastructure – the Foundation for the Innovative Development of
Nuclear Energy**

Moderator:

Alexander Kamenskov, junior partner, McKinsey

Presenters:

Alexander Kamenskov, junior partner, McKinsey
Opening remarks

William Magwood, Director General, NEA OECD
Supporting scientific cooperation in NEA

Grigory Trubnikov, Deputy Minister, Ministry of Education and Science of the Russian Federation
Supporting ‘mega-science’ projects in Russia: the state’s point of view

Dr. Sibaji Raha, Chair, Joint Scientific Council, FAIR
Scientific Collaboration with FAIR – a model of true internationalism

Hans-Henrich Altfeld, Head, Project Control Office, ITER
ITER: A role model for science projects’ collaborations?

Yasushi Taguchi, Vice President, Japan Atomic Energy Agency (JAEA)
The Japanese experience of participating in international scientific cooperation

Vyacheslav Pershukov, Special Representative of ROSATOM for International, Science and Technology Projects

The experience of organizing an international consortium in the form of International Research Center based on Multipurpose Fast-Neutron Research Reactor

Alexander Tuzov, Director, Research Institute of Atomic Reactors

The research infrastructure of Research Institute of Atomic Reactors as the basis of an international center under the auspices of the IAEA intended for R&D projects and further stable development of reactor technologies

Irina Tazhibaeva, Deputy Director, Institute of Atomic Energy, National Nuclear Center; Director, Nuclear Technology Safety Center, Kazakhstan

Bilateral cooperation in creating the Kazakhstan Materials Research Tokamak Reactor and further multilateral research program

Dmitry Klinov, First Deputy Director General for Science, Leypunsky Institute of Physics and Power Engineering

The experience of international cooperation in experimental research at the BFS critical assembly

Gilles Bignan, Project Manager, JHR, CEA

The Jules Horowitz Reactor Project: the new modern 21st century Material Testing Reactor working as an international User's Facility in support to Research Institutes, Nuclear Industry and Regulators

Boris Volkov, Project Manager, OECD Halden Project

The role of the OECD Halden project for developing TVEL fuel and new materials

14:00–17:00
Orange Hall

Round table:

Foundation for the Future Development of Nuclear Energy: Economic Efficiency, Safe Radwaste Management and the Decommissioning of Nuclear and Radiation Hazardous Facilities

Moderator:

Luis Echávarri, Expert Council Member of ROSATOM, ex-Director-General of the Atomic Energy Agency of the Organization for Economic Cooperation and Development (OECD/NEA)

Presenters:

Alexander Abramov, Deputy Director on the State Policy in RAW and SNF Management and NRHF Decommissioning, ROSATOM

The experience of ROSATOM in effective and safe decommissioning of NRHFs

Gloria Kwon, Head of Department of OECD/NEA

New instruments to enhance effectiveness of NRHF decommissioning

Satoru Toyomoto, Director for International Issues/RAW Management at NPP Fukushima-Daiichi of Nuclear Response Service of the Ministry for Economy, Industry and Trade

Current state of Fukushima-Daiichi NPP, decontamination activities and

treatment of contaminated water

Pavel Ipatov, Deputy CEO – special projects and initiatives director,
Rosenergoatom

Challenging approaches to NPP decommissioning in Russia

Ulf Kutcher, Managing Director, Technologies Sales International

Topical approaches to organize NPP decommissioning in Germany

Stepan Solzhenitsyn, Senior Partner, McKinsey

Review of the best decommissioning practices in view of raising economic efficiency

Mark Glinsky, First Deputy Director General of Gidrospetsgeologiya

Geological justification of safe handling of RAW and NRHF decommissioning based on the sectoral information and analytical systems

Panel discussion with the round table participants

14:00–17:00
Gray Hall

Round table: Non-Energy Use of Nuclear Technologies

Moderator:

Yves Henon, Deputy General Manager, IIA

Presenters:

Denis Cherednichenko, Director General, Rusatom Healthcare

Opening remarks

Yves Henon, Deputy General Manager, IIA

Gamma Irradiation – Applications and Users

Anna Noir, Senior Business Development Specialist, Strategic Supply,
Nordion Inc.

Ensuring a reliable global Cobalt-60 supply for the next generation

Paul Wynne, Director and General Manager, IIA

Alternative Technologies and International trends

Reiner Ludwig Eidenberger, Managing Director, Synergy Health
Allershausen GmbH

Sterilization and Irradiation – Operator perspective

Richard Wiens, CPIM, Director, Strategic Supply, Gamma Technologies,
Nordion Inc.

Social Awareness and Public Acceptance

Natalya Sanzharova, Director, Federal State Budget Research Institution All-
Russia Research Institute of Radiology and Agricultural Ecology

Radiation technology for safety of agricultural and food products

Panel discussion with the round table participants. Q&A

Kelvin Kemm, Chairperson of the Board, NECSA

Development of Nuclear Medicine and innovative Nuclear initiatives in Africa

Baljinder Singh, President, Society of Nuclear Medicine – Senate Member –
Panjab University, Chandigarh

Development of nuclear medicine in India, prospects and challenges

Morris Hosseini, Senior Partner (Pharma & Healthcare), Roland Berger GmbH

Trends in medicine and opportunities for nuclear applications

Alexandra Dalechina, Ph.D. medical physicist, Moscow Gamma Knife center
(Burdenko Neurosurgical Institute)

Radiation technologies for brain tumor treatment. Current advances and future directions

Panel discussion with the round table participants. Q&A

MAY 16

10:00–13:00
Yellow Hall

TRACK:
NEW POWER ENGINEERING

Round Table:

**“Use of Energy Storage Devices in Renewable Power Generation and
Electric Transportation”**

Moderator:

Dmitry Kholkin, Director, Innovations Development Project Center, Center
for Strategic Research Foundation

Presenters:

Dmitry Kholkin, Director, Innovations Development Project Center, Center
for Strategic Research Foundation

David Masgrangeas, General Manager, SAFT Russia

Dmitry Serebryakov, Director General, Ener-Z

Andrey Savinkov, Chief Designer, KAMAZ

Ivan Kotvitsky, Director General, Trolza

Victor Makovetsky, Development Director, Russian Buses – GAZ Group

Alexander Kamashev, Department Director, TVEL

**Panel discussion with the round table participants, ministries’
representatives, and members of business communities KAMAZ,
TROLZA, Russian Buses – GAZ Group, Rosseti, etc.**

10:00–13:00
Blue Hall

TRACK:
PEOPLE OF NUCLEAR INDUSTRY

Panel Discussion:

Key Skills for the Economy of the Future: Challenges and Global

Partnership Opportunities

Moderator:

Sergey Gil, Rector, Russian University of Cooperation

Presenters:

Christian Vega, President, Argentine Youth Nuclear Generation
International youth cooperation in the nuclear area

Robert Urazov, Director General, “Young Professionals” Union (WorldSkills Russia)
Presentation topic TBA

Dmitry Sudakov, Leader, Atlas of New Professions project, Agency for Strategic Initiatives
Today’s approach to transforming professional activities

Diana Koroleva, Director, Centre for the Study of Educational Innovations, National Research University “Higher School of Economics”
Global challenges and trends in education

Klaus Michel, Head Manager, Avestos GmbH, Germany
Various countries’ comprehensive approach to building professional training systems

Tapio Syväoja, Education System Development Expert, Finland
Education planning: taking direction from enterprises’ needs

Yulia Shchukina, Developer, “Digital Education” program
‘Digital Economy’: An online education program project

Ekaterina Solntseva, Advisor to the Director General, ROSATOM
Presentation topic TBA
