

Moscow • June 9 - 11 2014 • Gostiny Dvor

CONGRESS PROGRAM

Monday, JUNE 9, 2014 – plenary session, round tables, symposium

Tuesday, JUNE 10 2014 – round tables

Wednesday, JUNE 11 2014 – round tables

PLENARY SESSION PROGRAM JUNE 9

Topic: «Nuclear energy» - condition for energy stability»

15.00-17.30	PLENARY SESSION	Conference-hall №1
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Moderator: Luis Echávarri, ex-director General, OECD Nuclear Energy Agency (France).

Speakers:

- Sergey Kirienko, Director General, ROSATOM (Russia);
- Luc Oursel, Chief Executive Officer, Areva (France);
- Agneta Rising, Director General of the World Nuclear Association;
- Alexander Bychkov, Deputy Director General, IAEA;
- Takuya Hattori, President, JAIF, Japan;
- Le Duong Quang, Deputy Minister of Industry and Trade of the Socialist Republic of Vietnam;
- Zafer Alper, President of the Turkish Atomic Energy Authority;
- Minna Forsström, Project Director, Fennovoima.

ROUNDTABLE PROGRAMS

Topic: «Nuclear kilowatt*hour» - a new product of the energy market

JUNE 9

10:00-14:00	Round table Internal control. Best practices	Conference-hall №2
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Moderator: Alexander Loktev, Director for internal controls and audit, ROSATOM.

Speakers:

- Tatiana Elfimova, Deputy CEO for Government Relations and Budgeting, ROSATOM State Secretary;
Specifics of the internal audit system of Rosatom State Corporation
- Alexander Loktev, Director of Internal Audit and Chief Auditor, Rosatom state corporation
Practices of formation of effective internal audit system in Rosatom State Corporation;
- Konstantin Denisov, Deputy Director General for Security, Rosatom State Corporation;
Practices of counteraction to corruption and fraud in Rosatom State Corporation;
- Garry Carter, Chief Executive of ICFM (UK)
Institute of Certified Financial managers and its role in training of highly qualified workforce for the world economy;
Interaction between external and internal controlling and regulatory bodies
- Stanislav Bichkov, Deputy Director of the budget methodology department, RF Ministry of Finance
Enhancement of quality of financial management by major administrators of the federal budget funds: challenges and solution options;
- Natalia Plotnikova, Deputy Head of the Federal Service for Financial and Budgetary Supervision
Specifics of foreign currency regulation in the RF
Best international practices;
- Kristiina Lagerstedt, Head of Internal Audit, Sanoma Group (Finland)
Internal controls system in Europe exemplified by Finland;
- John Crowley, Chairman's advisor, Institute of Risk Management (IRM) (UK)
New trends in risk management;
- Danny Andgy, ICFM representative in China and Honkong
Experience of formation of the internal controls system in China and Hong Kong;
- Anastasia Rusakova, Chair of the ICFM council for Eastern Europe, ICFM Director in Russia
High quality training of financial managers under ICFM programs;
Internal control practices in the organizations of Rosatom State Corporation
- Akhmet Palankoev, Representative of the Republic of Ingushetia in the RF Council of Federation. Chairman of the Russia-Turkey business council in the RF Chamber of Trade and Commerce
Cooperation between Russia and Turkey in the energy sectors and prospects for development;
- Tatiana Fokina, Head of the Risk management department of Rosatom State Corporation
Organization of risk-management system and interaction with the interlan controls and audit group;
- Vladimir Blinkov, Director for Quality, Concern Rosenergoatom
Quality control by a nuclear power plant construction owner;
- Alexander Polushkin, Senior vice-president for project managent, NIIAEP JSC
Effective controls in an engineering company;
- Roman Tyurin, Internal auditor, Akkuyu NPP JSC
Internal controls in the process of management of NPP construction project.

JUNE 10

10.00 – 14.00	<u>Roundtable discussion:</u> Public Discussion of the Professional Standard for Internal Control Specialist	Conference Hall No. 1
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Moderator: *tbc.*

Speakers:

- Ekaterina Bolotova, Head, Department of Internal Control, Audit, Risk Management and Business Processes, OAO Magnitogorsk Metallurgical Plant;
- Aleksander Demidov, Deputy Director, Federal Treasury;
- Andrey Yegorenko, Head, Internal Control Service, SBE Bitumen Materials and Granules, production division of TechnoNIKOL Corporation;
- Lyubov Yeltsova, Deputy Minister of Labor and Social Security of the Russian Federation;
- Igor Igin, Director, Department of Control and Supervision, Rosatom State Corporation;
- Viktor Krasilnikov, Head, Department of Internal Control and Audit, Rosatom State Corporation;
- Sergey Kutukov, Director, Department of Financial Control and Risk Management, OAO United Ship-building Corporation;
- Yuriy Podkopayev, Head, Internal Railway Audit Center, OAO RZHD;
- Anastasia Rusakova, Chair, ICFM Board for East Europe, Russia;
- Bogdan Smolin, Director, Department of Internal Control and Audit, OAO Cordiant;
- Boris Sokolov, Chair, ICFM Expert Council for Russia (UK);
- Ural Suleymanov, Chief Auditor, OAO NK Bashneft;
- Andrey Fedorov, Head, Department for Improvement of Financial and Budget Control and Supervision, Federal Service of Financial and Budget Supervision;

10:00-13:00	<u>Round table</u> Competitive ability of nuclear power industry in comparison with other types of generation	Conference-hall №2
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Moderator: Stepan Solzhenitsyn, Principal, McKinsey & Company CIS LLC.

Speakers:

- Christophe Behar, Director of the Nuclear Energy Division at the French Atomic Energy Commission (CEA)
Nuclear Energy as a key asset for France energy mix today and tomorrow;
- Art Uprety, Partner and Managing Director BCG
Nuclear renaissance: Myth or Reality;
- Denis Linford, Director, Special Projects at EDF Energy
Electricity Market Reform and New Nuclear Build in the UK;
- Serge Gorlin, Head of Industry Cooperation, World Nuclear Association (WNA)
Demonstrating nuclear's competitive advantage;
- Anton Derkach, Principal, McKinsey & Company (Houston, US)
Perspective of Nuclear Power Industry on the Global Market;
- Minna Forsström, Project Director, Fennovoima
Balancing out a competitive investment solution. Case: New nuclear power plant in Finland;

- Nejati Yamach, Director of Atomic Energy Project Implementation Department of the Ministry of Energy and Natural Resources of the Republic of Turkey
First NPP Project in Turkey;
- Rob Adam, President, Nuclear Industry Association of South Africa (NIASA)
Nuclear power as a cost effective baseload option for South Africa;
- Sergey Petrov, Director of Strategic Development, Rosatom
Prerequisites of long term nuclear power competitiveness.

10:00-16:00	<u>Round table</u> Planning and optimizing the cost of electricity generated by NPP at the stage of design and construction	Conference-hall №3
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Moderator: Djurica Tankosic, Vice-President of Worley Parsons. (*tentative*).

Speakers:

- Djurica Tankosic, Vice-President of Worley Parsons
Planning and Optimization of NPP Generated Power Cost at Design and Construction Stages;
- Antonio González, Senior Vice President Empresarios Agrupados
An analysis of Nuclear Power Plant capital investment cost. Key factors affecting this cost;
- Rafael Schmill, Director, Strategy& (Italy)
Variability of parameters influencing the cost of energy including country specifics and project risk management at power plant design and construction stage;
- Jaromir Novak, General Director Euroenergy spol s.r.o.
New Nuclear Power Plants in Europe - legislation impact to engineering phase costs and commissioning phase costs.
- Mikhail Sherbak, Director for capital construction, NIAEP JSC, Managing Company of Atomstroyexport JSC
NIAEP-ASE: Approaches to NPP projects valuation and optimization by using LCOE metric;
- Peter Stepaev, Deputy Director for capital investments, The Rosatom State Corporation
Motivation of the Nuclear Industry's Contractors for Reduction of the Capital Costs' and Timing of Construction of the Nuclear Facilities;
- Feridun Alak, Head of Energy Purchase Department TETAŞ
What is the TETAŞ's position in NPP Projects and Tariff mechanism of Akkuyu Project;
- Ilya Vergizaev, General Director of "AAEM" LLC
KWh cost management in complex long-lead equipment design: examples and prospects;
- Anton Grigoriev, Partner, McKinsey & Company, consultant to Rosenergoatom
The role of the owner-operator in optimizing the cost of nuclear energy produced. Based on the experience of Rosenergoatom.

14.00 – 18.00	<u>Round table</u> Funding NPP construction projects	Conference Hall №1
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Moderator: Evelina Zakamskaya, Anchor of TV channel "Russia 24".

Speakers:

- Kirill Komarov, Deputy CEO, ROSATOM

- Development of the nuclear industry: challenges and opportunities;*
- Dzhomart Aliev, General Director, Rusatom Overseas
Advantages of Rosatom solutions and risk management – “Hanhikivi-1” case study;
- Nikolai Poduzov, Deputy Minister, Ministry of Economic Development of the Russian Federation
The role of high-tech export and its support in the development of the Russian economy;
- Shaikha Dheya bint Ebrahim Al Khalifa, President, Riyada Group
Interest of Middle East investors in nuclear power industry;
- Fuad Akhundov, Chief Executive Officer, AKKUYU NPP
NPP Akkuyu, BOO project experience in nuclear industry with participation of foreign company;
- Ivanov Alexander, Deputy Chairman, Vnesheconombank
VEB participation in supporting high-tech exports, subsidy program;
- Peter Fradkov, Chief Executive Officer, EXIAR Export insurance agency of Russia
EXIAR support as a tool to strengthen competitiveness of Russian companies on international markets;
- Peter Bird, N.M. Rothschild & Sons Limited
World practices of financing of NPP projects, requirements for successful attracting of financing;
- Sergei Stankovski, Managing Director, Goldman Sachs (Russia)
Sources of international funding;
- Vadim Logofet, Managing Director, Sberbank of Russia
Sberbank of Russia approaches to financing of nuclear industry projects.

14.00 – 18.00	<u>Round table</u> Back-end of nuclear fuel cycle. New technologies	Conference Hall №2
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Moderator: Evgeniy Kudryavtsev, Head of the Department for fuel cycle facility regulation of the Federal service for environmental, nuclear and technical regulation.

Speakers:

- Oleg Kryukov, Director for Public Policy on Radioactive Waste, Spent Nuclear Fuel and Nuclear Decommissioning, ROSATOM
Introductory remarks: Model of management of the final stage of the life cycle of a nuclear facility;
- Vladislav Korogodin, Director for NPP Life and Fuel Cycle Management, ROSATOM
Reduction of the cost of electricity through optimization of nuclear fuel cycle;
- Petr Gavrilov, General Director of Chemical and Mining Complex
Cospekers: Igor Merkulov, Deputy Director General for Innovations; Vadim Kravchenko, deputy chief engineer of the enterprise
Development of new technologies of SNF management and technologies for closing the nuclear fuel cycle;
- Dmitriy Kolupayev, Deputy chief engineer of VNIITF Federal Nuclear Research Center
Modeling the processes of spent nuclear fuel reprocessing for the purpose of cost optimization;
- Sergei Mazur, Head of technical policy department of Federal Center of Nuclear and Radiological Safety
Development of the container park for transportation of spent nuclear fuel;

- George Vieru, Institute of Nuclear Research, Romania
Equipment for Testing A, B and C Type Packaging for Transporting Radioactive Waste of Class 7;
- Maxim Felitsyn, head of the Project Office of FGUP RosRAO
Management of Industrial Processing and Conditioning of Radioactive Waste Across Regions. Technology of Processing and Conditioning Waste of Hazard Class 3 and 4;
- Gerald Uzunyan, Head of the Department of International Cooperation, Jean-Michel Bonifas. Head of the Department of International Projects, Department of International Cooperation, ANDRA (France)
The Importance of Radioactive Waste Handling in France. The Project of Deep Burial of Highly and Moderately Active Long-Lasting EO Waste;
- Nikolay Lobanov, Deputy Director, NO RAO
Development of the project of creation of underground laboratory in Nizhnekamskiy massif;
- Sergey Utkin, Senior Research Fellow, IBRAE, RAS
Harmonizing Normative Documentation Regarding Radioactive Waste;
- Mikhail Radchenko, General Director of OAO ITSYAK
Packing Radioactive Waste after Decommissioning;
- Mike Nichols, Managing Director Europe PacTec company (UK)
The use of flexible packaging for LLW handling;
- Dr. Wolfgang Steinwarz, Executive Vice-President of Siempelkamp Nukleartechnik GmbH (Germany)
Containers for ultimate disposal of various types of radioactive wastes;
- Gennadiy Babayants, General Director, Ceramic Technologies
Silicium Carbide containers for ultimate disposal of various types of radioactive wastes;
- Andrey Izmestyev, Acting General Director of ODC UGR
Experience of on-site burial of uranium-graphite reactor;
- Alexander Sobko, Director General, RAOPROJECT– AVERO association
New decommissioning technologies: dismantling, decontamination, radioactive waste conditioning;
- Christian Jurianz, President of Siempelkamp Nukleartechnik GmbH (Germany)
Experience and New Technologies of Decommissioning.

JUNE 11

10:00-16:10	<u>Round table</u> Global collaboration in the area of personnel training and education for nuclear industry	Conference-hall №1
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Moderator:

Prof. Vladimir ARTISIUK, Vice-Rector, Rosatom Central Institute for Continuing Education&Training (ROSATOM-CICET)

10:00 – 10:30 Panel Discussion “Global trends and strategic goals for education and HRD in nuclear energy”

Panelists:

- Tatiana Terentieva, HR Director, State Atomic Energy Corporation “Rosatom”
- Oleg Nagornov, Vice-chancellor, National Research Nuclear University “MEPhI”
- Dr. Syahril, Science&Technology Attache, Embassy of the Republic of Indonesia and Permanent Mission to the UN organizations in Vienna;

10:30 – 10:50 Keynote speech

- Tatiana Terentieva, HR Director, State Atomic Energy Corporation “Rosatom”

Building capacity through leadership development programs in nuclear industry;

10:50 – 11:10 Break

11:10 – 13:00 Section 1 “Higher professional education in nuclear energy”

- Valery Karezin, project director, Rosatom HR Department
Effective cooperation of universities and business in staff preparation for new nuclear countries;
- Atilla Aszodi, Budapest University of Technology and Economics
Fulfilling national and international nuclear educational and training needs in Hungarian Higher Education
- Şenem Şentürk Lüle, Istanbul Technical University
Development of educational programs for Turkish nuclear industry;
- Trinh Quang Thong, Hanoi University of Science and Technology
HRD for Development of Nuclear Power in Vietnam: Case of HUST;
- Sergey Barbashev, Odessa national polytechnic university
Ecologization of energy education. Odessa Polytechnic University’s Experience
- Victor Anishchik, Belorussky State University
Development of University Programs in Nuclear Engineering in Belarus;

13:00 – 13:40 Break

13:40 – 15:30 Section 2 “Learning and training in nuclear industry”

- Yuriy Seleznev, Rector ROSATOM-CICET
International HRD programs for nuclear power”;
- Vincent Nkong Njock, IAEA
Program for MS Planning the Introduction of Nuclear Power;
- Hannu Nieminen, Ilja Ouretski, Adult Education and Working Life Services Salpaus Further Education, Finland
Finnish system of professional E&T. Potential for cooperation with Russia in HRD for nuclear power;
- Engr. Md. Ali Zulquarnain, Member (Planning) Bangladesh Atomic Energy Commission
Nuclear Workforce development in Bangladesh;
- Peter T. Mkhabela, Functional Coordinator: Design Safety, National Nuclear Regulator, South Africa
HRD for expanding nuclear power program in South Africa;
- Yanko Yanev, Managing Director, Nuclear Knowledge Management Institute, Austria
NKM in support of National Nuclear Infrastructure development in newcomer countries;

15:30 – 16:10 Section 3 “Engagement and personnel development in nuclear industry”

- Dmitry Gasten, Head of HR Policy Department, Rosatom
HR brand alignment in nuclear industry: Rosatom success story and lessons learned;
- Andrey Afonin, Director, Rosatom Academy
Management development in Rosatom;
- Sergey Lvov, Managing Partner, AXES Management
Employee engagement and Safety.

** The program is subject to changes during preparations for the Forum*

Sectional session of the International Forum "ATOMEXPO 2014"

JUNE 9

11.45 – 14.00	<u>Round Table Discussion:</u>	Conference Hall
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Moderator: Alexander Fertman, Scientific Director of Nuclear Technology Cluster ,Skolkovo Foundation.

Speakers: Representatives of Rosenergoatom, Siemens, FESTO RF, ROTEK , Bee Pitron, FIEP Rosnano and Skolkovo Startups

Questions for discussion:

- *Modern trends in development and application of different types of sensors (including fiber systems). New technologies and engineering solutions;*
- *Demands of key industrial customers to the characteristics of monitoring systems and individual sensors;*
- *Most perspective industrial markets for monitoring systems' developers and integrators;*
- *Opportunities for startups on the market of sensors and monitoring systems.*

09.30-13.00	<u>Symposium:</u> International nuclear law: problem issues of formation of the legal bases of nuclear power industry development in XXI century	Conference Hall №3
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Moderator: Vladimir Kuchinov, General Director Advisor of ROSATOM.

Speakers:

- Vladimir Kuchinov, Counselor of the Director General, State Atomic Energy Corporation “Rosatom”
Opening speech;
- Anthony Wetherall, Legal Officer, Office of Legal Affairs, IAEA;
- Leonid Bolshov, Director, Nuclear Safety Institute (IBRAE) of Russian Academy of Sciences
Non-technical problems of increasing nuclear safety;
- Stephen Burns, Head of Legal Affairs, OECD Nuclear Energy Agency
The OECD Nuclear Energy Agency and Nuclear Law;
- Ximena Vasquez-Maignan, Senior Legal Advisor, OECD Nuclear Energy Agency;
- Alexander Hamaza, Director, Federal Budgetary Enterprise «Science and technology center for nuclear and radiation safety» (SEC NRS)
Improvement of legal regulation in the field of use of atomic energy in the Russian Federation;
- Danielle Degueuse, General Counsel, Legal Division – Generation & Engineering Legal Department, EDF
Nuclear Third Party Liability: an industry perspective;
- Sergey Arsenyev, Senior researcher, National Research Nuclear University MEPhI (NRNU MEPhI)
Liability for nuclear damage and nuclear safety;
- Abram Ioyirysh, Professor, The Institute of State and Law, Russian Academy of Sciences;
- Elena Misatyuk, Senior Staff Member, Sarov Institute of Physics and Technology
International Nuclear Non-Proliferation Regime System;

- Olga Vorontsova, Deputy Director, International Cooperation – Head of the PR Department, All-Russian Research Institute of Experimental Physics Russian – Federal Nuclear Center (RFNC – VNIIEF)
Objectives of export control in international science and technology cooperation and directions for improvement of efficiency of intra-organizational export control programs;
- Evgeny Kushnir, Leading researcher, All-Russian Research Institute of Experimental Physics Russian – Federal Nuclear Center (RFNC – VNIIEF)
Legal Support for Preventive Measures in Safety Systems of Nuclear Facilities;
- Grigory Rukavishnikov, Research associate, Rosatom Export Control Methodological Laboratory of Special laboratory for export control, All-Russian Scientific Research Center of Technical Physics – Federal Nuclear Centre (RFNC – VNIITF)
Non-proliferation: answers to new challenges;
- Alexander Izmailov, Deputy Director, System Analyses Scientific & Production State Enterprise “Eleron”
Legal and regulatory support of activities in the area of physical protection of nuclear material and facilities;
- Denis Pavlov, Director, Technical Regulation Department, State Atomic Energy Corporation “Rosatom”
Legal issues of distribution of international and legal practice in the field of the use of nuclear energy and related legislations including technical regulations;
- Pavel Kozlov, Director of the Regulatory management Centre, Rosatom Corporate Academy
Regulatory support of the International targeted program "Recultivation of the territories of EurAsEC member states affected by uranium mining";
- Olga Supataeva, Senior researcher, Institute of State and Law, Russian Academy of Science
Aspects of legal support for the concept of life cycle "without recharge at the site" of transportable nuclear facilities;

JUNE 11

09.00-11.00	<u>Round table</u> Environmental safety and development of safety culture of the organizations of Rosatom State Corporation	Conference Hall №2
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Moderator: Vladimir Grachev, Adviser to the Director General of ROSATOM; Sergey Raykov, Director of the Department of Nuclear and Radiation Safety Licensing and permitting activities, ROSATOM.

Speakers:

- Vladimir Grachev, Adviser to Director General of Rosatom State Corporation
System for the Implementation of Rosatom State Corporation’s Environmental Policy: from the Year of Environment to the Year of Culture;
- Semen Batov, Head of Health, Safety & Environment Department of OAO TVEL
IMS Operation; Implementation of the Environmental Policy of OAO TVEL;
- Eduard Volkov, Head of “Safety Culture Development” Section of Rosatom CICE&T
Implementation of the Safety Culture Management System in Nuclear Industry;

- Viktor Kosogorov, Head of Expert Examination Division of the Department for Design & Survey, R&D and Licensing of OAO RosEnergAtom
Some Issues of the Russian Federation Laws on Nature Protection;
- Natalya Latynova, Senior Instructor at Rosatom CICE&T
Environmental Safety Assurance within the Areas of Possible Impact of “Nuclear Legacy” Facilities, Based on an Integrated Industry System for Environmental Monitoring;
- Igor Linge, Deputy Director for Informational & Review Support for Nuclear & Radiation Safety Issues
Nuclear Safety Institute of the Russian Academy of Science
Safety Culture and Evolution of the Approaches to Nuclear Waste Handling;
- Mariya Khaletskaya, Director of Moscow Representative Office of Rosatom CICE&T
Safety Culture. The Specifics of its Implementation from the Perspective of Various Professional Communities and Asia Pacific Countries;
- Yelena Chernetskaya, Head of the Laboratory of Rosatom CICE&T
Psychological Aspects of the Development of Safety Culture in Staff of the Nuclear Industry Enterprises. Case Study: Training Sessions for the Nuclear Industry Enterprises’ Staff Aimed at Safety Culture Improvement;
- Marina Nekrasova, Vice-Dean for International Affairs of Environmental Faculty of the Peoples’ Friendship University of Russia.

14.00-18.00	<u>Round table</u> Modeling and IT support in the area of back-end: strategy, technology, management	Conference Hall №3
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Moderator: Alexander Abramov, Deputy Director General for the state policy on radioactive waste, spent nuclear fuel and RE-NRHS Head of;

Somoderator: Dmitry Bakhturin, Head, Project Office, Rosatom-CICE&T.

Speakers:

- Zoran Drace, Head of INPRO Group, IAEA
Global prospects for back end market: basic scenario and innovation outlooks;
- Stanislav Subbotin, Head of Department, Kurchatov Institute
Russian scenarios for back end market;
- Andrey Koroid, Head, Special IT System Implementation Division, IT Department, Rosatom
Trends in IT support development for Rosatom’s operations;
- Igor Kuzmichev, Head of Department, NEOLANT
Decommissioning planning process automation, facility ranging by their hazard, cost calculation and management for decommissioning and radioactive waste from decommissioning;
- Lavrentiev Kirill, expert of Design office "Create branch system of treatment of SNF"
Information-analytical system of the spent fuel management: Current status and development prospects;
- Inga Makeeva, Senior Research Assistant, RFNC-VNIITF
Technological and technical and economic models of back end: current situation and advanced development.