

SCIENTIFIC PROGRAMME

IV International Scientific and Technical Conference
 “Innovative Designs and Technologies of Nuclear Power” (ISTC NIKIET–2016)
 27 – 30 September 2016, JSC «NIKIET», Moscow, Russia

8.30–9.30	Conference participants registration		
27 September 2016 PLENARY SESSION			Conference-hall floor 3 Opening – 9.30
9.30–9.35	Opening. Opening address by Evgeny ADAMOV , Deputy Chairman of the Programme Committee, JSC NIKIET’s Scientific Leader		
9.35–9.40	Welcoming address by Oleg Shubin , Deputy Director of Directorate – Director of Department, Rosatom State Corporation		
9.40–9.45	Welcoming address by Vladimir ASMOLOV , Adviser to Rosatom State Corporation’s CEO		
9.45–9.50	Welcoming address by Yury DRAGUNOV , Chairman of the Conference’s Organizing Committee, JSC NIKIET’s Director – General Designer		
9.50–10.00	Welcoming addresses to the conference		
Chairman Vladimir Asmolov			
1.	10.00–10.30	Oleg PATARAKIN Russia	Development of the Generation IV innovative reactor technologies in the framework of the “Generation IV International Forum”
2.	10.30–11.00	Alessandro ALEMBERTI Italy	Status of Generation IV EURATOM LFR Activities
3.	11.00–11.30	Boris GORDON Russia	Analysis of scientific justification for NPPs nuclear safety
Coffee break 11.30–12.00			
Chairman Evgeny Adamov			
4.	12.00–12.30	Vadim LEMEKHOV Russia	Detailed design of the BREST-OD-300 reactor facility: development stages and justification
5.	12.30–13.00	Boris VASILIEV Russia	Innovative design of the BN–1200 power unit as a basis for the evolutionary development of the SFR area
6.	13.00–13.30	Oleg SARAEV Russia	Closing up nuclear fuel cycle in a two component system with thermal and fast neutron reactors
Lunch 13.30–14.30			

Chairman Alexander Lopatkin			
7.	14.30–15.00	Timofey RYABIN Russia	Superconducting cable line – a promising element for the future energy systems. Russian activity in this area
8.	15.00–15.30	Shang-Hi RHEE Republic of Korea	Nuclear energy for ultra-safe and clean world
9.	15.30–16.00	Vladimir KUZNETSOV IAEA	Options to enhance nuclear energy sustainability through synergies in technology and collaboration among countries
10.	16.00–16.30	Vitaly Petrunin Russia	Development of nuclear power technologies for underwater/subglacial exploitation of mineral deposits
Coffee break 16.30–17.00			
Chairman Yury Strebkov			
11.	17.00–17.30	Tao ZHOU China	Development strategy and progress of China lead-based reactor (CLEAR) for ADS and Gen-IV
12.	17.30–18.00	Toru OBARA Japan	CANDLE burning fast reactor concept with melt and refining process
13.	18.00–18.30	Anatoliy KRASILNIKOV Russia	ITER. Selection of priorities and progress of construction
28 September 2016 (continued) PLENARY SESSION Chairman Alexander Pimenov			Conference hall floor 3 Opening – 9.30
14.	9.30–10.00	Vladimir LEBEDEV OECD NEA	OECD NEA – support to nuclear development
15.	10.00–10.30	Hubert SCHOELS Germany	The current German energy policy – adventure or road to a bright future
16.	10.30–11.00	Il-Soon HWANG Republic of Korea	LFR R&D Activities in the Republic of Korea
17.	11.00–11.30	Denis KULIKOV Russia	Small nuclear power plants for autonomous power supply
Coffee break 11.30–12.00			
18.	12.00–12.30	Alexander SOROKIN Russia	Research in the field of thermal physics of nuclear reactors of new generation

19.	12.30–13.00	Sergey KIVEROV Russia	Development of research nuclear facility with MBIR multi-purpose fast neutron research reactor
20.	13.00–13.30	Alexander SAPOZHNIKOV Russia	General results of safety review of commissioning multi-purpose fast research reactor
End of Plenary Session Lunch 13.30–14.30			

28 September 2016 Session 1 INNOVATIVE DESIGNS OF VARIOUS-PURPOSE NUCLEAR POWER FACILITIES			Conference hall floor 3 Opening – 14.30
Chairman Vadim Lemekhov			
1.	14.30–14.55	Sheng GAO China	Development and experiment of KYLIN series facilities for lead-alloy cooled reactor
2.	14.55–15.20	Vladimir KUZNETSOV IAEA	INPRO collaborative project on key indicators for innovative nuclear energy systems (KIND)
3.	15.20–15.45	Yury TRUBAKOV Russia	Experimental research in hydraulics of the model vessel of the BREST-OD-300 reactor
4.	15.45–16.10	Marat SARKULOV Russia	Passive safety elements for lead cooled reactor facilities
Coffee break 16.10–16.40			
5.	16.40–17.05	Qingsheng WU China	Physical design of multi-functional lead-based zero-power reactor CLEAR-0
6.	17.05–17.30	Ming JIN China	Design characteristics and research progress of China lead-based research reactor CLEAR-I
29 September 2016 Session 1 (continued) INNOVATIVE DESIGNS OF VARIOUS-PURPOSE NUCLEAR POWER FACILITIES			Conference hall floor 3 Opening – 9.25
Chairman Igor Tretyakov			
7.	9.25–9.50	Ruslan IRKIMBEKOV Kazakhstan	IGR research reactor kinetics

8.	9.50–10.15	Svetlana OSIPOVICH Russia	Design of a multi-purpose pool-type research reactor
9.	10.15–10.40	Oleg KOCHNOV Russia	Prospects of VVR-Ts research reactor modernization as medical and technical radionuclide generator
10.	10.40–11.05	Dmitry POLYAKOV Russia	Directions of improvement of regulatory documents for research reactors lifetime extension
<i>Coffee break 11.05–11.35</i>			
11.	11.35–12.00	Vladimir NEVINITSA Russia	The energy technological cluster with HTGR as means to reduce impact on the environment
12.	12.00–12.25	Yong SONG China	Research progress of non-nuclear integrated test platform for China lead-based reactor
13.	12.25–12.50	Petr KRUGLIKOV Russia	Possibility of the creation of thermal energy accumulation system for innovative nuclear installations of large power
14.	12.50–13.15	Georgy AFRIKANTOV Russia	Development of the uncooled canned electric pump
<i>End of Session 1</i>			
<i>Lunch 13.15–14.15</i>			

28 September 2016			Bld. 4, floor 2 room 208 Opening – 14.30
Session 2			
NUCLEAR FUEL AND NEW MATERIALS			
<i>Chairman Yury Cherepnin</i>			
1	14.30–14.55	Vyacheslav OKUNEV Russia	Nanotechnology in nuclear power engineering: pellet cermet MOX-U and MN-U-fuel for fast reactors
2	14.55–15.20	Alexey KOROSTELEV Russia	Development and introduction of a new generation stainless steel for implementation of innovative reactor designs for large scale nuclear power
3	15.20–15.45	Sergey BELOV Russia	The provision of irradiation conditions for nitride fuel in BN-600 reactor experimental subassemblies
4	15.45–16.10	Andrey PERTSEV Russia	Innovation platform for microsphere fuel
<i>Coffee break 16.10–16.40</i>			

5	16.40–17.05	Mikhail MORKIN Russia	Key scenarios for the initiation and progression of the fuel failure for development of the BREST-OD-300 FCFD system algorithm
6	17.05–17.30	Jan HAŠČIK Slovakia	Utilization of neutron moderators in the gas cooled fast reactor
7	17.30–17.55	Maksim YUDIN Russia	Microspherical materials for americium transmutation
8	17.55–18.20	Gennady KULIKOV Russia	Heavy neutron moderators for nuclear reactors: enhancement of fuel efficiency and nuclear safety
29 September 2016 Session 2 (continued) NUCLEAR FUEL AND NEW MATERIALS			Bld. 4, floor 2 room 208 Opening – 9.00
Chairman Sergey Evropin			
9	9.00–9.25	Vyacheslav OKUNEV Russia	Nuclear fuel based on trans- and superactinides: fiction or reality
10	9.25–9.50	Alexander ZAKHAROV Russia	Burnable neutron poison for modernized fuel assemblies of PIK reactor
11	9.50–10.15	Kamil TUČEK EU	Development of experimental facility for pre-normative material testing in heavy liquid metal
12	10.15–10.40	Oleg GOLOSOV Russia	Modeling of steel corrosion in lead
13	10.40–11.05	Yury FOKOV Belorussia	Main neutronics of subcritical assembly YALINA–BOOSTER in conversion of highly enriched uranium fuel to low enriched one in fast neutron core
Coffee break 11.05–11.35			
14	11.35–12.00	Valery ANDREEV Russia	Material analysis and evaluation of modern design of large TCA processability to meet new requirements to nuclear fuel
15	12.00–12.25	Artem SOBOLEV Russia	Optimization of nuclear reactor fuel loading by evolutionary modeling
16	12.25–12.50	Oleg STRELTSOV Russia	Quality control of components for HTGR fuel
17	12.50–13.15	Leonid LEVKOV Russia	New opportunities of electroslag remelting technology for nuclear engineering
Lunch 13.15–14.15			

Chairman Oleg Arkhipov			
18	14.15–14.40	Dmitry MARCHENKOV Russia	Corrosion behavior of EP302M stainless steel in high-temperature water and superheated steam
19	14.40–15.05	Yuliya KUZINA Russia	An experimental study of heat transfer and temperature fields in the model BREST reactor fuel assembly with spacer grids
20	15.05–15.30	Boris RODCHENKOV Russia	Findings from post-irradiation tests of 10H15N9S3B1-Sh (EP302-Sh) steel and weld metal (TsT-24U) in the BOR-60 reactor to support the serviceability of structural elements for the BREST-OD-300 reactor internals and core
21	15.30–15.55	Vitaliya KAVUN Russia	The development of VVER-1000 core models for the purpose of Rostechnadzor information and analytic center support
Coffee break 15.55–16.25			
22	16.25–16.50	Kirill SHUTKO Russia	Development of portable measurement system for in-field measurement of susceptibility to IGC
23	16.50–17.15	Andrey UVAROV Russia	Development of guidelines for heat treatment of EP823-Sh steel welded joints
End of Session 2			

28 September 2016			Bld. 4, floor 3, room 301 Opening – 14.30
Session 3			
CLOSED FUEL CYCLE TECHNOLOGIES, SNF AND RW MANAGEMENT, TECHNOLOGICAL SUPPORT TO NON-PROLIFERATION REGIME			
Chairman Andrey Moiseev			
1	14.30–14.55	Boris GABARAEV Russia	INPRO methodology and assessment of resistance of nuclear power technologies to nuclear proliferation
2	14.55–15.20	Anton DYACHENKO Russia	Analysis of SVBR-100 nuclear fuel cycle security against proliferation of fissile materials
3	15.20–15.45	Mikhail PROKURONOV Russia	Remote control system based on radiation gamma-ray telescopes with encoding aperture and a spectrometer-dosimeter with digital identity of neutrons and gamma quanta
4	15.45–16.10	Oleg GOLOSOV Russia	Storage of spent nuclear fuel
Coffee break 16.10–16.40			

Chairman Albert Vasiliev			
5	16.40–17.05	Nikolay LEBEDEV Russia	Universal industrial system for ultrasonic and electrochemical decontamination of metal radioactive waste
6	17.05–17.30	Mikhail KONOVALOV Russia	Purification of liquid-metal systems with sodium coolant from hydrogen and tritium in advanced NPP
7	17.30–17.55	Ivan ALEKSEEV Russia	Heavy water detritiation at nuclear facilities
8	17.55–18.20	Ilya LYASHKO Russia	About nuclear safety parameters assessment of spent nuclear fuel transportation in gas-filled shipping cask (as example TUK-153)
29 September 2016 Session 3 (continued) CLOSED FUEL CYCLE TECHNOLOGIES, SNF AND RW MANAGEMENT, TECHNOLOGICAL SUPPORT TO NON-PROLIFERATION REGIME			Bld. 4, floor 3, room 301 Opening – 9.00
Chairman Sergey Ryasnyansky			
9	9.00–9.25	Alexander ZHITKOV Russia	Regeneration of uranium mononitride phase from uranium-cadmium alloy
10	9.25–9.50	Vasily MARSHALKIN Russia	Natural transmutation of actinides by the fission reaction in the closed thorium-uranium-plutonium fuel cycle
11	9.50–10.15	Sergey ZAOCHINSKY Russia	Development of design and installation technology of biological shielding for spent nuclear fuel storage units at Andreeva Bay
12	10.15–10.40	Albert IGNATOV Russia	The development of complex simulation models of multi-criteria and dynamic analysis of the network technologies for closed fuel cycle of nuclear power plants /TN +FN/-reactor (CNFC)
13	10.40–11.05	Ilya LYASHKO Russia	About Safety Guide “Radiation and thermal characteristics of VVER and RBMK spent nuclear fuel” (RB-093-14) and about software developed based on this safety guide
End of Session 3			
Coffee break 11.05–11.35			

29 September 2016 Session 4 SMALL SIZE POWER REACTORS (STATIONARY, FLOATABLE, TRANSPORTABLE, SUBMARINE, SPACE)			Bld. 4, floor 3 room 303 Opening – 9.00
Chairman Alexander Pimenov			
1	9.00–9.25	Dmitry SHMELEV Russia	Results of computational analysis for passive emergency heat removal system in the advanced transportable reactor plants

2	9.25–9.50	Alexander TURUSOV Russia	Higher-power reactor plants for nuclear icebreakers
3	9.50–10.15	Vsevolod RAPNITSKY Russia	SHELF, a standardized reactor facility for small nuclear power plants
4	10.15–10.40	Ilya TRAPEZNIKOV Russia	UNITHERM, an autonomous self-regulating reactor facility with an increased safety level
5	10.40–11.05	Vladimir KOTOV Russia	Low-power reactor with high breeding of fission materials
<i>Coffee break 11.05–11.35</i>			
6	11.35–12.00	Viktor SINYAVSKY Russia	Experimental testing results on units, assemblies and module of space thermionic nuclear power system based on lithium-niobium technology
7	12.00–12.25	Vladimir PAVSHUK Russia	Analysis of parameters of space gas-cooled reactors with different core structures and hydrogen reactivity effect compensation systems
8	12.25–12.50	Dmitry TEREKHOV Russia	Features of experimental testing of the basic elements of space bimodal systems of high power
9	12.50–13.15	Vladimir BAUKIN Russia	Small nuclear units with direct energy conversion
<i>Lunch 13.15–14.15</i>			
<i>Chairman Alexander Pimenov</i>			
10	14.15–14.40	Alexander TURUSOV Russia	Small-sized floating and modular-transportable nuclear power stations
11	14.40–15.05	Sergey SOLOVJEV Russia	Dynamic protection of reactor plant equipment in the floating power unit
12	15.05–15.30	Aleksey LEPESHKIN Russia	Current status and challenges of regulatory support to nuclear and radiation safety of floating propulsion and transportable nuclear facilities lifecycle
13	15.30–15.55	Petr KINASH Russia	2D math model of a modular thermionic converter-reactor for space applications
<i>End of Session 4</i>			

28 September 2016				Bld. 4, floor 3, room 305
Session 5				Opening – 14.30
NEW GENERATION INTEGRATED CODES FOR SAFETY ANALYSIS OF NUCLEAR POWER FACILITIES AND FUEL CYCLES				
Chairman Alexander Lopatkin				
1	14.30–14.55	Nastasjya MOSUNOVA Russia	Justification of new generation integral code EUCLID/V1 applicability for BREST-OD-300 reactor calculation	
2	14.55–15.20	Ivan Di PIAZZA Italy	Experimental and numerical study for supporting the safety of HLM Gen-IV reactor design	
3	15.20–15.45	Petr ALEKSEEV Russia	A new generation of software tools for probabilistic assessment of nuclear reactor structural element strength	
4	15.45–16.10	Andrey FEDOROVSKY Russia	Integrated calculating mathematical model ODEC	
Coffee break 16.10–16.40				
5	16.40–17.05	Sergey OSIPOV Russia	Computer platform to validate the BN-1200 reactor plant design	
6	17.05–17.30	Alessandro ALEMBERTI Italy	Theoretical and numerical investigation of three designs for a primary circulation pump evolving liquid lead for Gen-IV reactors	
29 September 2016				Bld. 4, floor 3, room 305
Session 5 (continued)				Opening – 9.25
NEW GENERATION INTEGRATED CODES FOR SAFETY ANALYSIS OF NUCLEAR POWER FACILITIES AND FUEL CYCLES				
Chairman Dmitry Afremov				
7	9.25–9.50	Galina DVORINA Russia	Intellectual technology for the quality assessment of NPP design categories	
8	9.50–10.15	Linsen LI China	Steady state calculation of a compact small reactor design and preliminary safety analysis using RELAP5/Mod 3.4	
9	10.15–10.40	Sergey AFONIN Russia	A combined procedure for thermohydraulic analysis of liquid metal cooled reactor fuel assemblies and its verification	
10	10.40–11.05	Zohreh GHOLAMZADEH Iran	Computational study of neutronic performance of the CANDU 6 reactor core fuelled with $(\text{ThO}_2 + {}^{233}\text{UO}_2 + {}^{\text{NAT}}\text{UO}_2)$	
Coffee break 11.05–11.35				
11	11.35–12.00	Alexander KISELEV Russia	Computer code UZOR 1.0 for solving of thermomechanics problem for nuclear reactor cores using full-scale finite element models	

12	12.00–12.25	Evgeny KRUTKO Russia	Application of UZOR 1.0 and openfoam computer codes for modeling fuel assemblies interaction in reactor core under dynamic loads
13	12.25–12.50	Ivan Di PIAZZA Italy	Experimental activity for the investigation of mixing and thermal stratification phenomena in the CIRCE pool facility
14	12.50–13.15	Gennady KULIKOV Russia	On property of fission chain reaction to resist rapid runaways in liquid-metal-cooled reactor and enhancement of its nuclear safety
Lunch 13.15–14.15			
15	14.15–14.40	Vladimir PUKHLY Russia	Development of strength analysis programs for working blades of impeller pumps in nuclear power
16	14.40–15.05	Vladislav SIZAREV Russia	On the dynamical stability of control rods in the discrete nuclear power plant safety control systems
17	15.05–15.30	Yury SHVETSOV RUSSIA	LOCA analysis by the KORSAR/BR and RELAP/SCDAPSIM/MOD3.4 codes for the RITM-200 reactor plant upon actuation of passive safety systems
18	15.30–15.55	Aleksey BOCHKAREV Russia	SFR inherent safety features analysis
Coffee break 15.55–16.25			
Chairman Alexander Lopatkin			
19	16.25–16.50	Konstantin SERGEENKO Russia	Development of a model for the protective oxide film formation on the HLHC reactor primary circuit surfaces and its integration into CFD codes
20	16.50–17.15	Vladimir IVANOV Russia	Application of BN reactor core nodalization scheme in ATHLET and DYN3D coupled codes for transient calculations
End of Session 5			

28 September 2016			Bld. 4, floor 3, room 306 Opening – 14.30
Session 6			
CONTROLLED THERMONUCLEAR FUSION			
Chairman Yury Strebkov			
1	14.30–14.55	Boris KUTEEV Russia	Opportunities and showstoppers for early fusion applications
2	14.55–15.20	Petr KHVOSTENKO Russia	TOKAMAK T-15MD: status and goals

3	15.20–15.45	Irina TAZHIBAEVA Kazakhstan	Fusion activities in Republic of Kazakhstan
4	15.45–16.10	Dmitry YUROV Russia	Fusion neutron source on the basis of gas-dynamic mirror facility
Coffee break 16.10–16.40			
5	16.40–17.05	Yong SONG China	Development of high intensity D-T fusion neutron generator (HINEG)
6	17.05–17.30	Yury SHPANSKY Russia	Status of DEMO-FNS development
7	17.30–17.55	Mikhail ZAVADSKY Russia	Preliminary results of design work on establishment of demonstration hybrid facility DEMO-FNS IN Russia
8	17.55–18.20	Anna VORONOVA Russia	DEMO-FNS: electromagnetic system conceptual design
29 September 2016 Session 6 (continued) CONTROLLED THERMONUCLEAR FUSION			Bld. 4, floor 3, room 306 Opening – 9.00
Chairman Igor Danilov			
9	9.00–9.25	Mikhail KHOKHLOV Russia	DEMO-TIN: preliminary strength estimation of electro-magnetic system
10	9.25–9.50	Igor KEDROV Russia	Concept of the vacuum vessel for the DEMO-FNS hybrid fusion neutron source
11	9.50–10.15	Konstantin SENIK Russia	Temperature modes and parameters of the cooling system for the vacuum vessel and thermal shield of the FNS hybrid tokamak
12	10.15–10.40	Gennady KIRNEV Russia	Quality assurance and nuclear safety. General requirements for design, manufacturing and testing of ITER components
13	10.40–11.05	Maksim SVIRIDENKO Russia	Design, manufacturing and experimental validation of ITER blanket system components to be procured by JSC “NIKIET”
Coffee break 11.05–11.35			
14	11.35–12.00	Dmitry LYANZBERG Russia	NIIEFA experience in applying NDT technologies for manufacturing ITER components
15	12.00–12.25	Vyacheslav PRYANIKOV Russia	High heat flux tests of plasma facing components of the thermonuclear reactor ITER

16	12.25–12.50	Richard KAMENDJE IAEA	Pathways to fusion nuclear technology development towards a first of a kind fusion power plant: an international perspective
17	12.50–13.15	Denis OBUKHOV Russia	RF program of ITER test blanket module development
<i>Lunch 13.15–14.15</i>			
<i>Chairman Yury Strebkov</i>			
18	14.15–14.40	Igor LUBLINSKY Russia	Lithium capillary-pore systems as plasma facing material for fusion reactors
19	14.40–15.05	Valentin SVIRIDOV Russia	Hazardous modes of liquid metal/molten salt heat transfer in a TOKAMAK fusion reactor
20	15.05–15.30	Sergey DONTSOV Russia	Two-dimensional integrated Hohraum radiation hydrodynamic simulation of “coast low-foot” national ignition facility implosion
21	15.30–15.55	Anton ULJYANOV Russia	Computational and theoretical analysis of laser facility structural materials activation at full-scale ICF target ignition
<i>Coffee break 15.55–16.25</i>			
22	16.25–16.50	Pavel GONCHAROV Russia	Calculations of energy and angle distributions of nuclear fusion products using improved formulae for differential cross sections
23	16.50–17.15	Yury GORDIENKO Kazakhstan	Determination of tritium generation and release parameters from lead-lithium eutectics under neutron irradiation
24	17.15–17.40	Yury PONKRATOV Kazakhstan	Study of tritium and helium release from lithium capillary-porous systems (CPS) under neutron irradiation
<i>End of Session 6</i>			

28–29 September 2016, 18.00–19.00

POSTER SESSION

Bld. 4, floor 3, Conference hall foyer

№	Speaker	Country	Paper title
1.	Vladimir KUDINOV	Russia	A small nuclear power plant with the ATGOR gas cooled reactor facility
2.	Alexander SHLEPKIN	Russia	Study of VVER steam generator model operation in condensing mode under various parameters of emergency processes
3.	Aleksandra ZATIRAKHA	Russia	Novel high performance anion exchange columns for quality control of power plant waters by ion chromatography
4.	Viktor YURMANOV	Russia	Development and justification of the MBIR reactor steam generator water chemistry
5.	Azamat SAHIPGAREEV	Russia	Study of steam-gas mixture contact condensation for substantiation of the technology of non-condensable gases removal from the steam generator for the NPP with VVER advanced designs
6.	German PIPCHENKO	Russia	Development of models for the rapid assessment of critical safety functions` status for new projects of NPP with VVER-1000 type reactors
7.	Oleg TIURIKOV	Russia	Analysis of parameters and processes of hydrogen distribution under heavy accident conditions in RITM-200 reactor plant containment using KUPOL-MT code
8.	Georgy KHORASANOV	Russia	A possibility of hydrogen production based on a BN-600 power unit at low loading periods in the regional energy system
9.	Anna PITYK	Russia	Calculation of the change of boric acid concentration in the core under emergency conditions in the VVER advanced reactor
10.	Vasiliy VOLKOV	Russia	Locally one-dimensional methods for three-dimensional analysis of VVER reactor hydraulics
11.	Ekaterina TRUSOVA	Russia	Preparation of benchmark experiments to verify radiation shielding analysis software
12.	Konstantin SERGEENKO	Russia	CFD simulation of heat exchange in conditions of a cross flow around the tube bundle with regard for thermal contact resistance
13.	Yury GORDIENKO	Kazakhstan	Reactor experiments on investigation of nuclear-excited luminescence of gaseous medium
14.	Victor YURMANOV	Russia	A new technology for high-temperature washing of steam generator heat-exchange tubes
15.	Alexander BELOV	Russia	Thermodynamically matched wide-range equation of state for gaseous and liquid plasma
16.	Nikolay MOLOKANOV	Russia	Estimation of value for non-standardized equipment for nuclear power installations at the current stage
17.	Vladimir GRABELNIKOV	Russia	Fire-smothering on nuclear-powered submarines and submarine reactor compartments exposed to ionizing radiation
18.	Mikhail CHEKOV	Russia	Steam generator of BREST-OD-300 reactor: analytic and experimental validation
19.	Andrey ALEKSEEV	Russia	Computer modeling of thermo-irradiated graphite brick behavior conduct with refined physical models

20.	Nikolay MELESHKIN	Russia	Verification of LOGOS software for the simulation of flows of a liquid metal coolant in equipment of fast reactors
21.	Igor BYLOV	Russia	Software package CRISS 6.0 for probabilistic safety analysis
22.	Igor BYLOV	Russia	Improvement of the nuclear plant safety assurance process within the lifecycle
23.	Denis KISLITSIN	Russia	Computational analysis of actions taken to manage a severe accident in the reactor plant of the multipurpose icebreaker
24.	Konstantin BESTUZHEV	Russia	Testing of 20 kV/70 kA pirobreaker for electric strength by continuous voltage applied after switching

30 September 2016, 9.30–14.30

Conference hall, floor 3

9.30–11.30 Round Table:

«NUCLEAR POWER DEVELOPMENT IN THE WORLD AND CURRENT CHALLENGES»

Moderators: Boris Gordon, Rafael Arutyunyan

11.30–12.00 Coffee break

12.00–13.30 Concluding meeting

Chairman Yury Strebkov

13.30–14.30 Lunch