

International Conference for young scientists, specialists and post-graduates on Nuclear Reactor Physics (ICNRP Volga)

8 September		
International online section		
10:00 – 10:15	Welcome	
10:15 – 10:30	Alexandr Belkin World Association of Nuclear Operators (WANO) Moscow Centre	Operating experience as a tool to improve nuclear power plant operation processes
10:30 – 10:45	Alexey Lobarev NRNU MEPhI	Load follow operations optimization for VVER-1200
10:45 – 11:00	Sergey Gololobov VNIIAES JSC	Algorithm for estimating the uncertainty of the results of calculations for the justification of safety and reliability of nuclear power plants
11:00 – 11:15	Elena Tsyvkunova NRNU MEPhI	Nurturing Science Diplomacy Generation at MEPhI
11:15 – 11:30	Ekaterina Gradova NRNU MEPhI	Methodology of calculating reactivity effects by correlated sampling technique
11:30 – 11:45	Break	
11:45 – 12:00	Alexandr Shcherbakov NRNU MEPhI	Results and prospects of using the electrical method for non-destructive testing of NPP technological equipment
12:00 – 12:15	Nikita Kovalev JSC Khlopin Radium Institute	Use of REMIX Spent Mixed Fuel in Fast Neutron Reactors
12:15 – 12:30	Ogechukwu Joy Ozoani NRNU MEPhI	Enhancing the efficiency of MOX fuel cycle for VVER-1200 using burnable absorber
12:30 – 12:45	Sergei Beliauskii TPU	Simulation study of KLT-40S reactor core by means of Monte-Carlo method
12:45 – 13:00	Anvar Muzafarov NRNU MEPhI	Use of burnable absorbers to reduce LRW generated during boron regulation
13:00 – 14:00	Lunch Break	
14:00 – 14:15	Laidani Zahir NRNU MEPhI	Control of the nuclear pressure compensator with model predictive controller
14:15 – 14:30	Mohammad Hashemi Technical University of Munich	Neutronics and Burnup calculations of VVER-1000 Fuel Assembly using OpenMC
14:30 – 14:45	Mohammad Hamidul Haque OINPE NRNU MEPhI	Calculation of Temperature Regimes of the CPS Rods of the Regulating Groups VVER-1200
14:45 – 15:00	Belaid DJAROUM Algerian Nuclear Research Centre of Birine	VVER-1200 reactor power control in load following mode
15:00 – 15:15	Tuul Baatar	Improving safety of the KLT-40S when using Pb-208 as a reflector

15:15 – 15:30	Ruslan Kurskiy NRC "Kurchatov institute"	Influence of structural changes on the fuel claddings properties of light water reactors during dry storage of SNF
15:30 – 15:45	Break	
15:45 – 16:00	Stanislav Ten NRNU MEPhI	Predictive diagnostics of control sensors in a nuclear reactor.
16:00 – 16:15	Aleksandr Nikulin VNIIAES JSC	Development of a numerical scheme for modeling explosive processes
16:15 – 16:30	Ekaterina Khnykina IPPE JSC	Simulation of operation of the BN-800 reactor in the ModExSys system
16:30 – 16:45	Dmitrii Koltashev IBRAE RAN	The development of a module in EUCLID/V2 integral code for recriticality possibility calculation in a severe accident
16:45 – 17:00	Denis Plotnikov NRNU MEPhI	The development of the ex-core detectors model for WWER-type reactors
17:00 – 17:15	Ahmed Hassan NRNU MEPhI and JINR	Developing pulsed research reactor NEPTUN
17:15 – 17:30	Rafael Isayev NRNU MEPhI	Analysis of neutron-physical characteristics of multilayer metallic coatings of accident tolerant fuel
17:30 – 17:45	Artsrun Khachatryan NRNU MEPhI	Investigation of algorithms for suppressing xenon oscillations in a VVER-1200 reactor
17:45 – 18:00	Hamza Tanash NRNU MEPhI	Studying the dozs effect during reactor life with different enrichment for VVER reactors by OpenMC code
18:00 – 18:15	Konstantin Glyva NRNU MEPhI	Calculation assessment of the supercritical coolant parameters achieving fundamental possibility's during irradiation of an ampoule device with experimental fuel elements in the INR
18:15 – 18:30	Viktoria Chudinova NRNU MEPhI	The results of thermal-hydraulic modeling of the lead-cooled reactor invessel space
18:30 – 18:45	Dimitar Chereshevkov (Димитър Черешков) NRNU MEPhI	Nuclear data uncertainty impact assessment on GEN IV fast reactors calculations
18:45 – 19:00	Kseniya Doboni IPPE JSC	Calculation justification of the filter material for aerosol capture in the gas system of the BREST-300-OD
19:00 – 19:15	Maria Pobelyanskaya OINPE NRNU MEPhI	The use of the FDS-II for breeding of the U-233 isotope