

BREAKOUT SESSION

September 13 (Wednesday)

Section “Current Trends and Prospects of Nuclear Power Development”

Morning session (9:00–12:30)

NNC RK conference hall (building 54B)

Chairpersons: V. Baklanov (Kazakhstan), Kato Shinya (Japan)

1	STANDARDIZED TESTING TECHNIQUES AND EVALUATION METHODS FOR MECHANICAL PROPERTIES OF SMALL-SCALE SPECIMENS FOR FUSION REACTOR MATERIALS <i>Xinfu He (China, CIAE)</i>	09:00–09:15
2	EXPERIENCE AND CAPABILITIES OF UMP IN OBTAINING NEW FUNCTIONAL MATERIALS FOR NUCLEAR AND THERMONUCLEAR POWER ENGINEERING AND TECHNOLOGY <i>S.V. Udartsev (Kazakhstan, JSC “UMP”)</i>	09:15–09:30
3	EXPERIMENTAL STUDIES IN THE EAGLE-3 PROJECT FOR CONTROLLED MATERIAL RELOCATION IN SEVERE ACCIDENTS OF SODIUM-COOLED FAST REACTORS <i>Kato Shinya (Japan, JAEA)</i>	09:30–09:45
4	DEVELOPMENT OF AN EVALUATION METHOD FOR IN- PLACE COOLING OF A DEGRADED CORE IN SEVERE ACCIDENTS OF SODIUM-COOLED FAST REACTORS <i>Yuya Imaizumi (Japan, JAEA)</i>	09:45–10:00
5	DECOMMISSIONING OF IUGR COMPLEXES <i>A.A. Izmestyev (Russia, PDF UGR)</i>	10:00–10:15

6	SORPTION OF RADIOACTIVE IODINE ON ACTIVATED CARBONS <i>M.S. Kunarbekova (Kazakhstan, Satbayev University)</i>	10:15–10:30
7	APPROACHES TO SUBSTANTIATING THE SAFETY OF NPPs WITH WWER IN SEVERE ACCIDENTS <i>Yu.B. Shmelkov (Russia, SRC “Kurchatov Institute”)</i>	10:30–10:45
8	MASS SPECTROMETRIC METHOD FOR DETERMINATION OF XRM AND REM IN SANDSTONE-TYPE URANIUM ORES <i>B.Zh. Toksanbayev (Kazakhstan, LLP IVT)</i>	10:45–11:00
–	<i>Coffee break</i>	11:00–11:30
<i>Chairpersons: V. Gnyrya (Kazakhstan), Xinfu He (China)</i>		
9	PRACTICE OF USING UNCERTAINTY AND SENSITIVITY ANALYSIS TO JUSTIFY WWER SAFETY <i>I.A. Melnikov (Russia, SRC “Kurchatov Institute”)</i>	11:30–11:45
10	INFORMATION AND ANALYTICAL SYSTEM FOR PROCESSING RESEARCH RESULTS TO SUBSTANTIATE THE SAFETY OF NUCLEAR ENERGY <i>N.M. Mukhamedova (Kazakhstan, branch IAE NNC RK)</i>	11:45–12:00
11	MECHANICAL AND STRUCTURAL - PHASE PROPERTIES OF THE DETONATION COATING BASED ON WC <i>Ye. Naymankumaruly (Kazakhstan, LLP “PlasmaScience”)</i>	12:00–12:15
12	STUDYING URANIUM-PLUTONIUM NITRIDE FUEL IN PULSED ENERGY MODES <i>Ye.R. Mezhina (Russia, JSC “NIKIET”)</i>	12:15–12:30
–	<i>Lunch</i>	12:30–14:00

BREAKOUT SESSION

September 13 (Wednesday)

Section “Current Trends and Prospects of Nuclear Power Development”

Afternoon session (14:00–15:00)

NNC RK conference hall (building 54B)

Chairpersons: L. Yerygina (Kazakhstan), A. Zhirnov (Russia)

13	DETERMINATION OF STRENGTH CHARACTERISTICS OF ZIRCONIUM ALLOYS BY SMALL PUNCH TEST METHOD <i>Ye.D. Dauletkhanov (Kazakhstan, branch IAE NNC RK)</i>	14:00–14:15
14	SMALL–SCALE EXPERIMENTS TO STUDY THE INTERACTION OF CORIUM WITH COOLING METALS IN A SEVERE ACCIDENT WITH CORE MELTDOWN <i>K.O. Toleubekov (Kazakhstan, branch IAE NNC RK)</i>	14:15–14:30
15	DEVELOPMENT AND TUNING OF AN OPTICAL RADIATION PARAMETER RECORDING SYSTEM FOR CONDUCTING EXPERIMENTS ON A PULSED NUCLEAR REACTOR <i>K.K. Samarkhanov (Kazakhstan, branch IAE NNC RK)</i>	14:30–14:45
16	INNOVATIONS IN EDUCATION AND SCIENCE <i>D.Kh. Kenbayev (Kazakhstan, NP JSC “Shakarim University of Semey”)</i>	14:45–15:00
