

PROGRAM OF THE CONFERENCE

Wednesday, August 2, 2017 – Arrival and accommodation of participants

Thursday, August 3, 2017

10:00am- 10:30am	Opening Plenary
	Words of Welcome
Plenary Session Global Uranium Industry	
Moderator: B. Ibraev	
Zheruyik Hall	
10:30am-10:45am	Uranium industry and the development of nuclear fuel cycle in the Republic of Kazakhstan, B. Ibraev (JSC "NAC "Kazatomprom")
10:45am -11:00am	Global uranium industry: current state, prospects for growth and challenges, A.Boitsov (Uranium One Group)
11:00am-11:15	Awarding veterans of the atomic industry
<i>11:10am -11:40am</i>	<i>Coffee break</i>
11:40am-12:00pm	Uranium potential of the Russian Federation, G. Mashkovtsev (FSBI VIMS)
12:00pm-12:20pm	Nuclear fuel manufacturing today and tomorrow, P.Reimann (Areva NP)
12:20pm-12:40pm	A Multi-Site Multi-National Approach for Integration of the Nuclear Fuel Cycle, Choi Jor-Shan (UC BNRC)
12:40pm-1:00pm	IFE and the OECD HALDEN reactor project: innovation for improved nuclear energy production, M. A. McGrath (OECD Halden Reactor Project IFE)
<i>1:00pm-2:00pm Lunch-break</i>	

Alternative Sessions

	<u>Panel Discussion:</u> Geology, geotechnology and field preparation at uranium deposits	<u>Panel Discussion:</u> Mining and processing of pregnant solutions, production of concentrated	<u>Panel Discussion:</u> NFC high technologies. Efficient tools and instrumentation in production of rare, rare-earth	<u>Panel Discussion:</u> Educational, legislative and economic frameworks for efficient nuclear power industry
--	--	---	--	---

	<p>Moderators: B. Uzhkenov, Dr. Sci. in Geology and Mineralogy Yu. Demekhov, PhD in Geology and Mineralogy</p> <p>Zheruyik Hall</p>	<p>uranium oxide, associated REE extraction Moderators: B. Ibraev, Dr. Sci. in Physics and Mathematics A.Mukusheva, PhD in Technology, associate professor D-Hall</p>	<p>metals and high-tech goods on their basis Moderators: B. Duisebaev, Dr. Sci. in Technology Yu. Rusin, PhD in Technology</p> <p>Azhar Hall</p>	<p>Moderators: Dr. Choi Jor-Shan. A. Kaimuldina, Dr. Sci. in Physics</p> <p>Orda Hall</p>
2:00pm-2:20pm	Influence pattern of plant detritus on uranium ISL history, <i>K. Polinovsky (Impulse Technopark)</i>	Extraction of uranium concentrate from nitrate-sulphate strippants using aqua ammonia solution and ammonium carbonates, <i>S. Titova (UrFU)</i>	Prospects of development of production of rare earth metals in the Republic of Kazakhstan, <i>E. Pirmatov, (LLP "JV "SARECO")</i>	Deployment of High NFC Technologies and Impacts on Natural Uranium Price, <i>Choi Jor-Shan (UC BNRC)</i>
2:20pm - 2:40pm	Relating to possible inversion of energy fluxes in uranium mining, <i>B. Duisebaev (Volkovgeology JSC)</i>	Investigation of physical and chemical processes while mineral extraction by ISL-method, <i>M. Kurmanseit (KazNU)</i>	Sorption technologies and ion-exchange resin AXIONIT in extraction of rare-earth, precious and radioactive metals, <i>D. Kondrutsky (Axion – rare and precious metals)</i>	Training of specialists in neutron physics at Jülich Research Center, <i>A.Ioffe (Forschungszentrum Jülich GmbH)</i>
2:40pm-3:00pm	Study of chemical clogging mechanisms during in-situ recovery of uranium in Kazakhstan, <i>A.Le Beux (AREVA MINES)</i>	Software of blocking control system of the refining unit on the basis of software and hardware complex, <i>S. Murzakhmetov (Karatau LLP)</i>	Selection of ion-exchange sorbents for various purposes in hydrometallurgy of scandium and rare-earth metals, <i>M. Mikhailenko (Purolite Ltd)</i>	The challenges of the digital revolution: from "classical training" to "development of capacity", <i>B. Musina, (KazNuclearUniversity)</i>
3:00pm-3:20pm	3D reactive transport simulation of uranium in situ leaching, <i>O.Regnauld (AREVA MINES)</i>	Industrial reclaim (eluate) improvement practice in regenerative process, <i>I. Khalimov (NSMI)</i>	Sorption extraction of rare-earth elements from uranium ISL solutions, <i>S. Kirillov (UrFU)</i>	Kazatomprom's experience in invention and rationalization of uranium hydrometallurgy, <i>S.Dyusambaev (JSC "NAC "Kazatomprom")</i>
3:20pm-3:40pm	Features of "Budenovskoe" deposit, their applicability in the practice of exploration and exploitation, <i>A. Mamonov, (Karatau LLP)</i>	Burning of unconditional uranium materials, <i>V.Mashenko (Kazatomprom-SaUran LLP)</i>	Application of all-round cold deformation technology in tantalum and niobium production with better microstructure and well mechanical properties, <i>D. Popov (UMP JSC)</i>	Innovation systems in high-qualified staff training, <i>A. Kaimuldina (JSC "NAC "Kazatomprom")</i>

3:40pm-4:00pm	Computational and experimental determination of the uranium mass in the RW repository, <i>A. Bauyrzhan, (Semizbay-U LLP)</i>	Prompt acidification in passive mode, <i>E.Ivanin, LLP (Kyzylkum LLP)</i>	New opportunities in research and analysis of processes and materials at the Branch <i>IHT-Zerde, O. Khalenov (IHT ltd)</i>	Cost management in Inkai JV (experience and outlooks), <i>A. Jaksybaev (JV Inkai ltd)</i>
4:00pm-4:30pm Coffee break				
4:30pm-4:45pm	Service details of mobile complex at uranium deposits of Kazakhstan, <i>A.Kalibekov (Kazatomprom-SaUran LLP)</i>	Standardization of requirements for ion-exchange resin via Kazatomprom's branch standard CSS "Ion-exchange resin requirements for Kazatomprom's companies", <i>Z.Tulubayev, (JSC "NAC "Kazatomprom")</i>	High-tech metal lithium production for most advanced lithium batteries, <i>G. Bishimbaeva (IHT ltd)</i>	<p>Round Table: Experience of labor veterans in industry innovations</p>
4:45pm-5:00pm	Experience and prospects for mining technogenic and remnant uranium ore, <i>A. Yermilov (Eurasia Energy Holdings)</i>	Quality improvement of produced strippants and decrease of impurities by ultrasonic exposure, <i>A. Kaumenov, (Baiken-U LLP)</i>	Theoretical and experimental examination of Ti-doped Zink oxide, <i>A.Smailova (JSC "NAC "Kazatomprom")</i>	
5:00pm-5:15pm	Radio-wave geointrosopy in uranium in-situ leaching at Semizbay deposit, <i>R. Batiyev (Semizbay-U LLP)</i>	Hardware-software complex based on NI MYRIO for testing VLSI for radiation resistance, <i>K. Omar (UMP JSC)</i>	Kazakhstani uranium deposits as promising sources for associated extraction of commercial components, <i>M.Kopbaeva (IHT ltd)</i>	
5:15pm-5:30pm	Development of well-sinking modeling and analysis in mining industry, <i>G. Abdraimova (KazNITU)</i>	Purification of bypass solutions with flocculants at IRKOL deposit, <i>A.Altynbek (Semizbay-U LLP)</i>	UMP-produced uranium-beryllium fuel as promising tolerant fuel for industrial thermal reactors, <i>Yu. Rusin (UMP JSC)</i>	
5:30pm-5:45pm	Intellectual technology for controlled development of ISL uranium deposits,	Opportunities for uranium operators, <i>A. Nurkin (KPMG)</i>	UMP's Experience and outlooks in high-enriched uranium processing, <i>G. Gusakova (UMP JSC)</i>	

	<i>M.Noskov (MEPhI)</i>			
5:45pm-6:00pm	Geotechnology modeling for improving uranium ISL method, <i>M.Noskov (MEPhI)</i>	3D-modeling for creation of high-efficient extraction systems, <i>A. Yegorov (MSU)</i>	Cost effective solution for environmental concern in hydrogen fluorine production, <i>Yu. Fedorchuk (TPU)</i>	
6:00pm-10:00pm	Dinner			
Friday, August 4, 2017				
	<u>Panel Discussion: Geology, geotechnology and field preparation at uranium deposits</u> Shanyrak Hall	Training program "Agile: managing innovative projects in a changing world" (for managers of subsidiaries and dependent companies of JSC "NAC "Kazatomprom") D-Hall	<u>Panel Discussion: NFC high technologies. Efficient tools and instrumentation in production of rare, rare-earth metals and high-tech goods on their basis</u> Azhar Hall	<u>Panel Discussion: Educational, legislative and economic frameworks for efficient nuclear power industry</u> Orda Hall
10:00am-10:20am	Hydro-pneumatic shock on a reservoir, <i>A.Omirgali (JSC "NAC "Kazatomprom")</i>		Reduction of liquid RAW at UMP Uranium Production owing to uranium extraction optimization, <i>K.Romanova (UMP JSC)</i>	The 25 years of activity of the National Nuclear Center of Kazakhstan, <i>M. Skakov (NNC RK)</i>
10:20am-10:40am	UPOS A1 At-ground stripper cleaning & repair machine, <i>A.Omirgali (JSC "NAC "Kazatomprom")</i>		Nuclear Power Station with gas-cooled reactor, <i>G. Vityuk (NNC RK)</i>	Regarding mitigation of potential risks of accidents and emergency situations at ore-mining industries of Kazakhstan, <i>D. Tlesbaev (Eurasia Energy Holdings ltd)</i>
10:40am-11:00am	Study of geology and hydrology mechanisms in formation of roll-front-like deposits, <i>D. Aizhulov (KazNU)</i>		Experimental studies of irradiated in BN-350 austenitic steel, <i>E. Kuanbaev, (IAE NNC RK)</i>	Social-economic frameworks for ecology-genetic evaluation of Koshkar-Ata tailing pit health effect, <i>N. Duisengaliev (KazNU)</i>
11:00am-11:30am Coffee break				
11:30am-11:50am	Radio-wave geointrospecty of interwell space for uranium ISL monitoring,		CPU circuit redundancy system of PCS at Nuclear Power Plant, <i>R. Akylbekov (UGHK JV ltd)</i>	Application of nuclear medicine (low-intensive laser therapy) for treatment of tumours,

	<i>V. Istratov (Radionda)</i>	Training program "Agile: managing innovative projects in a changing world" (for managers of subsidiaries and dependent companies of JSC "NAC "Kazatomprom")		<i>A. Maltikenov (MEPhI)</i>
11:50am-12:10pm	Study of technological mode of uranium ISL with potassium hypochlorite, <i>Sh. Alikulov (NSMI)</i>		UrFU – designer and manufacturer of standard samples for nuclear material analysis, <i>A. Abramov (UrFU)</i>	Explanatory work with residents of sponsored settlements concerning radiophobia, impact of production on the environment and radiation safety <i>E.Bolysbaev (Karatau LLP)</i>
12:10pm-12:30pm	Innovative methods for conducting repair and recovery work of technological wells at in-situ uranium leaching, <i>Z. Kenzhetayev, (IHT ltd)</i>		Analysis of thermal conductivity of irradiated materials by picoseconds heat reflection in the time domain, <i>A.Koshkinbaeva (NU)</i>	RAW management at Complex of Research Reactors Baikal-1, <i>A.Timonov (NNC RK)</i>
12:30pm-12:50pm	Development of methods for intensifying in-situ uranium leaching at “Irkol” deposit, <i>M. Mataev, (IHT ltd)</i>		Advanced computational methods for radiation transport, <i>E.Abdikamalov (NU)</i>	Possibilities of ISL uranium mining intensification using 3D modeling, <i>G. Myrzabek, (IHT ltd)</i>
1:10pm-2:00pm	<i>Lunch break</i>			
2:00pm-6:00pm		Training program "Agile"		
2:00pm-6:00pm	<i>Poster Session</i>			
	<u>Panel Discussion: Geology, geotechnology and field preparation at uranium deposits</u>	Mining and processing of pregnant solutions, production of concentrated uranium oxide, associated REE extraction	<u>Panel Discussion: NFC high technologies. Efficient tools and instrumentation in production of rare, rare-earth metals and high-tech goods on their basis</u>	<u>Panel Discussion: Mining and processing of pregnant solutions, production of concentrated uranium oxide, associated REE extraction</u>
	Assurance of geophysical research in the wells of embedded uranium deposits, <i>M. Amanbay (IHT ltd)</i>	Uranium tetrafluoride production from re-extraction solutions, <i>S.Skripchenko, (UrFU)</i>	Mineral resources base of lithium. Problems of development and use, <i>D. D. Nigmatov, (IHT ltd)</i> Production cost optimization in the uranium precipitation process by transition to the flexible infrastructure	Branch platform as a control tool for nuclear industry changes, <i>L. Nasenkova (Lincompany ltd)</i> Kazatomprom’s strategy, science and innovations, <i>A. Kosunov, V. Gorkun (IHT ltd)</i>

	<p>Predicting of hanging ores processing using modeling approach, <i>M.Amanbay (IHT ltd)</i></p> <p>Automated well-tracking system, <i>E.Koilubaev (IHT ltd)</i></p> <p>Thermo-dynamic analysis of U-FES₂-H₂S-water for technological blocks acidification while uranium ISL, <i>A. Pastukhov (UrFU)</i></p> <p>Ways of acidification of E. Mynkuduk deposit and their features, <i>Kolosov (Kazatomprom-SaUran LLP)</i></p> <p>Acidization capabilities while uranium ISL using 3D modeling, <i>T. Razuvaeva (IHT ltd)</i></p> <p>The possibility of using methods of earth remote sensing in search of infiltration uranium deposits, <i>I. Kashafutdinov, (Volkovgeology JSC)</i></p>	<p>Mathematical modeling as a tool for solution of ion-exchange engineering tasks, <i>A.Berdykhalyk (IHT ltd)</i></p> <p>Study of regularities in movement of accumulation of ion chlorine while sorption-desorption processing of PR solutions at sites # 1,2,3, <i>M. Jemisova (Inkai JV LLP)</i></p> <p>Ultrasound impact on ion-exchange resin while uranium extraction from PR solutions, <i>N. Myrzakulov (IHT ltd)</i></p> <p>Influence of sulphuric acid concentration in desorption solution on uranium extraction from the phase of saturated ion exchanger, <i>A. Smirnov, (UrFU)</i></p> <p>Pilot testing of uranium leaching from uranium-bearing peat bogs of Kamyshanovskoye deposit, <i>L. Evteeva (Information Research Center)</i></p>	<p>system of reagent management, <i>E.Bissenov, S.Balabekov (JSC "NAC "Kazatomprom")</i></p> <p>Analysis of the development of high technology, <i>A. Demeshev, (JSC "NAC "Kazatomprom")</i></p>	<p>Process-oriented audit as a tool for innovation development of uranium mining enterprises, <i>E. Smailov (IHT ltd)</i></p> <p>Ways to minimize and possibly avoid waste generation in Kazatomprom's companies, <i>B. Eleushev (IHT ltd)</i></p> <p>Kazatomprom's approach for a hazard level detection of drilling slurry, <i>K.Bulenova, (IHT ltd)</i></p> <p>Innovation project management scheme: the case of Kazatomprom, <i>S.Utesheva, (JSC "NAC "Kazatomprom")</i></p> <p>The issues of optimization of business processes, <i>A. Oralbekova, (JSC "NAC "Kazatomprom")</i></p> <p>Comparative analysis of patent protection in Kazakhstan and Russia, <i>G. Nurberdieva (JSC "NAC "Kazatomprom")</i></p>
	<p>[REDACTED]</p>	<p>Forecast for the geotechnologies development, <i>E. Rogov, (IGD)</i></p> <p>Geotechnology of metals ILS with bush location production wells,</p>		

		<i>E. Rogov, (IGD)</i>		
		Innovative geotechnology of sequential mining of layers in metals ILS, <i>A. Rogov, (IGD)</i>		
<i>4:00pm-4:30pm</i>	<i>Coffee break</i>			
<i>Saturday, August 5, 2017</i>				
<i>9:30am-1:00pm</i>	<i>Field Trip #1 Astana EXPO-2017</i>	<i>Field Trip #2 Astana Nuclear Energy Information Center Tour</i>	<i>Field Trip #3 Astana city</i>	
<i>11:00am-11:30am</i>	<i>Coffee break</i>			
<i>2:10pm-5:10pm</i>	<i>Field Trip #1 Astana EXPO-2017</i>			
<i>3:10pm-3:40pm</i>	<i>Coffee break</i>			

Sunday, August 6, 2017 Departure of the Participants