



Russian-Chinese Conference



METALLOGENY WITHOUT BORDERS 2025

Conference Program

August 11-17, 2025, Russia, Chita

August 11, 2025, Monday

Transbaikal State University: 30, Aleksandro-Zavodskaya Street, Chita

10:00 – 11:00	Registration of participants
11:00 – 11:40	<p>Opening ceremony of the Russian-Chinese Conference "METALLOGENY WITHOUT BORDERS 2025":</p> <ul style="list-style-type: none"> - Welcoming speech by the Chairman of the organizing committee – Director of the Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry of the Russian Academy of Sciences, Corresponding Member of RAS, Professor Vladislav Petrov - Welcoming speech on behalf of the delegation from the People's Republic of China - Co-chairman of the organizing committee, Chief Researcher of the China National Nuclear Corporation, Director of the China Committee on Uranium Geology, Chief Researcher of the Beijing Research Institute of Uranium Geology, Professor Ziying Li - Welcoming speech from the Government of the Transbaikal Region – Acting Deputy Chairman of the Government of the Transbaikal Region Nikolai Zakharov - Welcoming speech by the Co-Chairman of the Organizing Committee – Rector of the Transbaikal State University, Dr. Oksana Martynenko - Welcoming speech by the Co-chairman of the organizing committee – Director of the Institute of Natural Resources, Ecology and Cryology of the Siberian Branch of the Russian Academy of Sciences, Dr. Igor Mikheev

Section 1. Models of Ore-Forming Systems of Deposits of Rare, Rare Earth, Non-Ferrous and Noble Metals

Chairmen: Corresponding Member of the Russian Academy of Sciences, Professor Vladislav Petrov, Professor Ziying Li

11:40 – 12:00	<p><u>Petrov Vladislav A.</u>, <u>Pek A.A.</u>, <u>Andreeva O.V.</u>, <u>Poluektov V.V.</u>, <u>Malkovsky V.I.</u>, <u>Ustinov S.A.</u>, <u>Minaev V.A.</u></p> <p>On the issue of the vertical and time range of endogenous ore formation (on the example of mineral-forming systems of uranium deposits)</p>
12:00 – 12:20	<p><u>Li Ziying</u>, <u>Qin Mingkuan</u>, <u>Qiu Linfei</u>, <u>Tian Mingming</u>, <u>He Feng</u>, <u>Zhong Jun</u>, <u>Liu Wusheng</u>, <u>Liu Chiheng</u>, <u>Wang Junxian</u>, <u>Zhang Yunlong</u>, <u>Wang Wenquan</u>, <u>Ji Hongwei</u>, <u>Han Meizhi</u>, <u>Li Weitao</u>, <u>Li Menghua</u></p> <p>A new exudation Metallogeny and model for uranium deposit in the red-mottled sedimentary sandstone system in northern basins of China</p>
12:20 – 12:40	Coffee Break
12:40 – 13:00	<p><u>Cherkasov Sergey V.</u>, <u>Tikhotsky S.A.</u></p> <p>Possibilities of identifying areas promising for the discovery of ore mineral deposits based on a geophysical study of paleosystems of heat and mass transfer</p>
13:00 – 13:20	<p><u>Zhong Jun</u>, <u>Li Z.Y.</u>, <u>Cai Y.Q.</u>, <u>Yu H.</u></p> <p>The Geology, Geochemistry and the Metallogenic Rules of the Alkaline Metasomatism Uranium Deposits: A Review</p>
13:20 – 13:40	<p><u>Badmazhapov Bato B.</u>, <u>Damdinov B.B.</u>, <u>Damdinova L.B.</u>, <u>Vikentyev I.V.</u>, <u>Minina O.R.</u></p> <p>Geochemistry of ores based on the ore deposit of the Ozernoye pyrite-polymetallic deposit</p>
13:40 – 14:00	<p><u>He Feng</u>, <u>Li Ziying</u>, <u>Zhang Zilong</u></p> <p>Exudative Mineralization of Sandstone-type Uranium Deposits in the Lower Cretaceous of the Ordos Basin</p>

14:00 – 15:20	Lunch
15:20 – 15:40	<u>Poluektov Valery V.</u> , Petrov V.A., Andreeva O.V., Minaev V.A., Ustinov S.A. Mineral-deformational transformations of rocks and mechanisms of uranium migration at deposits in the basement and cover of the Streletsovskaya caldera (SE Transbaikalia)
15:40 – 16:00	<u>Yi Longsheng</u> , Lin Jinrong, Li Ziying, He Feng, Wu Zhengqian, Liu Kunpeng, Qiu Linfei, Wang Junxian, Li Xide Geochemistry and Uranium Mineralization in Cretaceous Eolian Red Sandstone in the Southwestern Ordos Basin, China
16:00 – 16:20	<u>Pavlenko Yuri V.</u> Ore Controlling Structures of Eastern Siberia
16:20 – 16:40	<u>Teng Xueming</u> , Ao Cong, Wang Shaoyi, Jin Ruoshi, Cheng Yinhang Sandstone-type uranium mineralization in southwest area of Qaidam Basin, NW China
16:40 – 17:00	Coffee Break
17:00 – 17:20	<u>Wolfson Alexander A.</u> , Marchenko A.G., Steinberg M.G., Korobov M.L. Geological and geochemical features of the rhenium and rare metals deposit in volcanic gases of the Kudryavy Volcano deposit (Iturup Island, Kurilsky District of the Sakhalin Region)
17:20 – 17:40	<u>Liu Junang</u> , Li Ziying, Nie Jiangtao Research on Polymetallic Mineralization Mechanisms in Xiangshan Uranium Deposit Field
17:40 – 18:00	<u>Wang Kaixing</u> , Liu Xiaodong, Xia Fei Genesis of the Haidewula volcanic rock-hosted uranium deposit in the East Kunlun Orogen, northwestern China

August 12, 2025, Tuesday

Transbaikal State University: 30, Aleksandro-Zavodskaya Street, Chita

Section 1. Models of Ore-Forming Systems of Deposits of Rare, Rare Earth, Non-Ferrous and Noble Metals

Chairmen: Corresponding Member of the Russian Academy of Sciences, Professor Vladislav Petrov, Professor Ziying Li

9:00 – 10:00	Registration of participants
10:00 – 10:20	<u>Cheng Yinhang</u> , Jin Ruoshi, Miao Peisen Neotectonic Controls on Large-Scale Uranium Mineralization in the Meso-Cenozoic Basins, Northern China
10:20 – 10:40	<u>Petrov Vladislav A.</u> , Kaygorodova E.N., Andreeva O.V., Kozlovsky A.M. Geodynamic settings of the formation of Phanerozoic igneous complexes of the Argun block (SE Transbaikalia, China, Mongolia)
10:40 – 11:00	<u>Tian Jianji</u> , Liu Chang, Wu Yu, Yang Wenlong, Yi Longsheng Characteristics and implications of uranium-beryllium mineralization of the Baiyanghe Deposit in the Xuemistan Volcanic Belt, Xinjiang
11:00 – 11:20	<u>Shan Xuanlong</u> , Yi Jian, Li Ang Hydrocarbon Accumulations of Magmatic Rock in China
11:20 – 11:40	<u>Gongalsky Bronislav I.</u> , Krivolutskaya N.A. Presentation of the Guidebook "Deposits of the North of the Transbaikal Territory"

11:40 – 12:00	Coffee Break
Sections 2-3 (combined). Composition and sources of igneous rocks, reconstructions of geodynamic conditions of magmatism and ore formation. Age, mineralogical-petrographic composition and isotope-geochemical characteristics of ore-bearing volcanoplutonic complexes	
Chairmen: Corresponding Member of the Russian Academy of Sciences Nikolay Kruk, Professor Jun Zhong	
12:00 – 12:20	<u>Kruk Nikolai N.</u> , <u>Gavryushkina O.A.</u> , <u>Kruk E.A.</u> , <u>Fedoseev D.G.</u> , <u>Orekhov A.A.</u> , <u>Smirnov S.Z.</u> , <u>Semenova D.V.</u> , <u>Travin A.V.</u> , <u>Kasatkin S.A.</u> Geochemistry and age of igneous rocks of the Arsenyevsky and Vysokogorsky tin ore deposits (Sikhote-Alin)
12:20 – 12:40	<u>Guo Jian</u> , <u>He Sheng</u> In-situ SIMS U-Pb dating and oxygen isotope study of cassiterite from polymetallic mineralization in Xiangshan uranium ore field
12:40 – 13:00	<u>Petrov Vladislav A.</u> , <u>Andreeva O.V.</u> , <u>Kaygorodova E.N.</u> , <u>Kozlovsky A.M.</u> Phanerozoic igneous complexes and metallogeny of the Argun block (SE Transbaikalia, China, Mongolia)
13:00 – 13:20	<u>Wang Shaoyi</u> , <u>Teng Xueming</u> , <u>Ao Cong</u> , <u>Cheng Yinhang</u> , <u>Jin Ruoshi</u> Uranium Isotope Study of Sandstone-type Uranium Deposits in the Junggar Basin
13:20 – 13:40	<u>Andreev Anton A.</u> , <u>Andreeva I.A.</u> , <u>Ustinov S.A.</u> , <u>Lapaev D.S.</u> , <u>Svecherevsky A.D.</u> The role of crustal contamination in the formation of Jurassic volcanics of the Khada-Bulak depression (Borzinsky district, South-Eastern Transbaikalia)
13:40 – 15:00	Lunch
15:00 – 15:20	<u>Zhu Bin</u> , <u>He Feng</u> , <u>Liu Chiheng</u> The Latest Regional Mineralization for Sandstone Type Uranium Deposits in Central Asia: Constrained by the U-Ra Equilibrium Coefficients
15:20 – 15:40	<u>Minina O.R.</u> , <u>Vikentyev I.V.</u> , <u>Damdinov B.B.</u> , <u>Badmazhapov Bato B.</u> , <u>Lantseva V.S.</u> Age, composition and conditions of formation of ore-bearing strata of the pyrite-polymetallic Ozernoye deposit (Western Transbaikalia)
Section 4. Methods and technologies for prediction of ore deposits localization, assessing the prospects of deep horizons and flanks of exploited ore objects	
Chairmen: Professor Mingkuan Qin, Dr. Stepan Ustinov	
15:40 – 16:00	<u>Qin Mingkuan</u> , <u>Guo Qiang</u> , <u>Huang Shaohua</u> , <u>Xiao Jing</u> , <u>Song Jiye</u> , <u>Jia Licheng</u> , <u>Liu Jialin</u> , <u>Jiang Wenjian</u> Comprehensive prediction technology and application of sandstone-type uranium deposits in Songliao Basin, Northeastern China
16:00 – 16:20	<u>Grebennik Nikolay A.</u> , <u>Tuboltsev I.S.</u> , <u>Melnikov S.I.</u> , <u>Nesmeyanova A.I.</u> , <u>Sorokin A.G.</u> , <u>Maslo M.Yu.</u> , <u>Mashnin D.M.</u> Prediction and methodology for prospecting for hidden uranium deposits in the Streletsovskaya caldera (Transbaikal Territory)
16:20 – 16:40	<u>Jin Ruoshi</u> Prospecting progress and theoretical innovation of sandstone-type uranium mineralization in Northern China
16:40 – 17:00	Coffee Break
17:00 – 17:20	<u>Tuboltsev Ivan S.</u> , <u>Ustinov S.A.</u> , <u>Petrov V.A.</u> , <u>Minaev V.A.</u> Prediction and prospecting model of the Streletsovsky uranium ore field based on the reconstruction of the stages of formation and fluid permeability of the framework of faults

17:20 – 17:40	<u>Nie Jiangtao</u> , <u>Li Ziying</u> , <u>Guo Jian</u> , <u>Liu Jungang</u> , <u>Tian Mingming</u> , <u>Lai Hainan</u> New progress in deep drilling of uranium science in China and Enlightenment for deep ore searching
17:40 – 18:00	<u>Ustinov Stepan A.</u> , <u>Petrov V.A.</u> , <u>Minaev V.A.</u> , <u>Nafigin I.O.</u> , <u>Yarovaya E.V.</u> Detecting and interpretation of the central-type structures using Earth remote sensing data for predictive mapping of ore-forming systems using the example of southeastern Transbaikalia
18:00 – 19:00	<i>Creative studio "123 stories"</i> , with the support of the <i>Priargunsky industrial mining and chemical association named after E.P. Slavsky</i> . Premiere screening of the film "Motherhood of the Earth" , dedicated to the 100 th anniversary of the birth of Lidiya Ishchukova - an outstanding Soviet geologist, discoverer of the country's largest Streltsovskoye uranium deposit.

August 13, 2025, Wednesday

Transbaikal State University: 30, Aleksandro-Zavodskaya Street, Chita

Section 4. Methods and technologies for prediction of ore deposits localization, assessing the prospects of deep horizons and flanks of exploited ore objects

Chairmen: Professor Ruoshi Jin, Dr. Nikolay Grebenkin, Dr. Stepan Ustinov

9:00 – 10:00	Registration of participants
10:00 – 10:20	<u>Yu Rengan</u> , <u>Zhu Qiang</u> , <u>Si Qinghong</u> , <u>Wang Shanbo</u> , <u>Zhao Hualei</u> , <u>Chen Lulu</u> Advances in Mineralization Information Extraction and Application of Sandstone-Type Uranium Deposits
10:20 – 10:40	<u>Petrov Vladislav A.</u> , <u>Ustinov S.A.</u> , <u>Minaev V.A.</u> , <u>Nafigin I.O.</u> , <u>Grishkov G.A.</u> Experience in visualizing metallogenic time series (using the example of Southeastern Transbaikalia)
10:40 – 11:00	<u>Ustinov Stepan A.</u> , <u>Petrov V.A.</u> , <u>Minaev V.A.</u> , <u>Andreev A.A.</u> , <u>Nafigin I.O.</u> , <u>Svecherevsky A.D.</u> , <u>Lapaev D.S.</u> Interpretation of lineaments within the southeastern Transbaikalia using a multiscale tectonophysical approach for prediction of uranium ore-forming systems
11:00 – 11:20	<u>Svecherevsky Alexey D.</u> , <u>Ustinov S.A.</u> , <u>Minaev V.A.</u> , <u>Lapaev D.S.</u> , <u>Petrov V.A.</u> Reconstruction of the kinematics of fault structures using the author's software package Lineament Stress Calculator in the context of forecasting ore-forming systems
11:20 – 11:40	Coffee Break
11:40 – 12:00	<u>Nafigin Igor O.</u> , <u>Lapaev D.S.</u> , <u>Minaev V.A.</u> , <u>Ustinov S.A.</u> , <u>Petrov V.A.</u> Analysis of remote sensing satellite data for forecasting polymetallic mineralization within the Savva-Borzinsky ore cluster (Southeastern Transbaikalia)
12:00 – 12:20	<u>Minaev Vasily A.</u> , <u>Ustinov S.A.</u> , <u>Petrov V.A.</u> , <u>Svecherevsky A.D.</u> , <u>Nafigin I.O.</u> Remote tectonophysical approach to forecasting the distribution of mineral resources (using the example of Northern Yakutia)
12:20 – 12:40	<u>Yurgenson Georgy A.</u> Composition and properties of vein quartz of the Verkhnealiinskoye deposit as criteria for vertical zoning of ore-bearing zones
12:40 – 13:00	<u>Shumilova Lidiya V.</u> , <u>Yurgenson G.A.</u> Geoecological problems of mining ore deposits in Transbaikalia

13:00 – 13:20	<u>Gruzdev Roman V.</u> , <u>Yurgenson G.A.</u> Metasomatic zoning as a factor in forecasting gold-copper-molybdenum mineralization within the Shakhtama ore cluster
13:20 – 14:00	- Meeting of the delegation from China with the rector of the Transbaikal State University, Dr. Oksana Martynenko - Excursion to the Transbaikal State University
14:00 – 15:30	Lunch
15:30 – 18:00	Free Time
18:00 – 21:00	Gala Binner
August 14, 2025, Thursday	
Institute of Natural Resources, Ecology and Cryology of the Siberian Branch of the Russian Academy of Sciences – 16a, Nedorezova St., Chita	
Section 5. Mining-geological and geoecological problems of ore deposits development	
Chairman: Professor Georgy Yurgenson	
9:30 – 17:00	Scientific meetings
August 14-17, 2025, Thursday-Sunday	
Field trip to the Streletsovskoye uranium ore field with accommodation in the city of Krasnokamensk	
August 15-17, 2025, Friday-Sunday	
Field trip to tin-polymetallic ore deposits in the area of the Adon-Chelon nature reserve with accommodation in the city of Borzya	