

**The scientific program of the IX School-Seminar of Young Russian Scientists
"Problems of Sustainable Regional Development", dedicated to the 70th anniversary of
Academician of the Russian Academy of Sciences Arnold Kirillovich Tulokhonov**

July 3, 2019

PLENARY SESSION

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Academician of RAS, Dr. Sc (Geography), prof. Tulokhonov Arnold Kirillovich</i>	<i>On the strategy of spatial development of the Russian Federation: challenges, risks, solutions</i>
<i>Plenary report</i>	<i>Dr. Sc (Geography), Prof. RAS Garmaev Endon Zhamyanovich</i>	<i>Level regime of Lake Baikal: state and prospects in the new regulatory environment</i>
<i>Plenary report</i>	<i>Cand. Sc. (Economics), Assoc. Prof., Leading researcher Novoseltseva Valentina Dmitrievna, Dr. Sc. (Economics), Prof., Principal researcher Larichkin Fedor Dmitrievich</i>	<i>Integrated use of natural resources - a priority for sustainable socio-economic development of the regions of the Russian Federation</i>
<i>Plenary report</i>	<i>Doctor of Juridical Science Natalia Loukacheva</i>	<i>Legal and political aspects of sustainable development in the North</i>
<i>Plenary report</i>	<i>Dr. Sc. (Chemistry), Prof., Head of laboratory Schultz Elvira Eduardovna</i>	<i>Catalytic transformations of plant alkaloids, terpenoids and coumarins to create selective antimicrobial agents</i>
<i>Plenary report</i>	<i>Dr. Sc. (Chemistry) Timashev Petr Sergeevich</i>	<i>Growing tissues and organs: myths and realities</i>

July 4, 2019

Socio-economic problems of sustainable development of Russian regions

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Dr. Sc. (Psychology), Assoc. prof. Arpentieva Mariam Ravilievna</i>	<i>Innovations in education as a factor of the sustainability of economic development</i>
<i>Plenary report</i>	<i>Cand. Sc. (Economy), Assoc. prof. Krasilnikova Galina Vladimirovna</i>	<i>Vectors of sustainable development of the region in a digitalized economy</i>
<i>Plenary report</i>	<i>Cand. Sc. (Economy), Senior researcher Turkov Sergey Leonidovich</i>	<i>Methods and experience in the development of the project "The National Concept of Sustainable Development of Russia"</i>
<i>Oral report</i>	<i>Engineer. Botoeva Nadezhda Bimbaevna</i>	<i>Ecological audit in the sustainable development system of the Baikal natural territory</i>
<i>Oral report</i>	<i>Engineer. Dambaeva Irina Zhargalovna</i>	<i>The role of the industrial complex of the region in the economy of the Republic of Buryatia</i>
<i>Oral report</i>	<i>Engineer. Eryomko Zinaida Sergeevna</i>	<i>Assessment of the ecological and economic state of the regions of the Russian Federation</i>
<i>Oral report</i>	<i>Engineer. Zhamyanova Julia Batoevna, Dr. Sc. (Sociology), Leading researcher Danilova Zinaida Andreevna</i>	<i>Assessment of the demographic development of rural areas in the Republic of Buryatia, Environmental risks and public health (on materials of the Republic of Buryatia)</i>
<i>Oral report</i>	<i>Postgraduate student Andreeva Alyona Mikhailovna</i>	<i>Socio-economic problems of sustainable development of Russian regions</i>
<i>Oral report</i>	<i>Engineer Balzhanova Tatyana Maksimovna</i>	<i>Development of economic incentives to reduce the risk of negative impacts of water</i>

July 4, 2019

Geocological problems of Russian regions and adjacent territories in the context of globalization and environmental change

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Dr. Sc. (Economics), Prof., Principal researcher Larichkin Fedor Dmitrievich Cand. Sc. (Economics), Assoc. Prof., Leading researcher Novoseltseva Valentina Dmitrievna,</i>	<i>Reassessment and expansion of the region's mineral and raw material potential by increasing the complexity of using multicomponent raw materials and revising the basic parameters of conditions: capability and cost-effectiveness</i>
<i>Oral report</i>	<i>Cand. Sc. (Geography), Senior researcher Zhamyanov Daba Tsyban-Dorzhiievich</i>	<i>Features of the water resources use in the model territories of Russia, Mongolia, China and Kazakhstan in the zone of influence of the Great Silk Road and Tea Road</i>
<i>Oral report</i>	<i>Cand. Sc. (Geography), Assoc. Prof. Suvorova Anna Igorevna</i>	<i>The history of ecological and geographical research of the Kurgan region landscapes with the goal of sustainable development of the territory</i>
<i>Oral report</i>	<i>Student Kologoyda Victoria Alexandrovna</i>	<i>Problems of biodiversity conservation in the Altai Republic</i>
<i>Oral report</i>	<i>Student Khalyavin Semyon Igorevich</i>	<i>Influence of anthropogenic factors on the biodiversity of urban landscapes</i>
<i>Oral report</i>	<i>Student Lukinykh Ekaterina Evgenievna</i>	<i>Озеленение городской среды как необходимое условие устойчивого развития территории</i>
<i>Oral report</i>	<i>Students Novoselova Vladislava Alexandrovna, Borodulina Anastasia Sergeevna</i>	<i>Social project as a means of solving geo-environmental problems of the region</i>

July 4, 2019

Modern environmental-safe technologies of environmental management and environmental protection

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Dr. Sc. (Chemistry), Prof., Head of Laboratory Radnaeva Larisa Dorzhievna</i>	<i>Lipids of hydrobionts of Lake Baikal</i>
<i>Oral report</i>	<i>Postgraduate student Tykheev Zhargal Aleksandrovich Cand. Sc. (Pharmacy) Taraskin Vasily Vladimirovich</i>	<i>The total content of saikosaponinos in the roots of Bupleurum L. plants</i>
<i>Oral report</i>	<i>Postgraduate student Urbagarova Bayarma Munkhoevna Cand. Sc. (Pharmacy) Taraskin Vasily Vladimirovich</i>	<i>Development and validation of methods for the quantitative determination of chromones in the roots of Saposhnikovia divaricata (Turcz.) Schischk. using the HPLC/UV method</i>
<i>Oral report</i>	<i>Cand. Sc. (Biology) Bazarsadueva Selmeg Vladimirovna</i>	<i>Fatty acid composition of the Baikal endemic sponges</i>
<i>Oral report</i>	<i>Student Chulunov Mergen Aleksandrovich</i>	<i>The fluctuation of the height of the snow cover within the headwater basin</i>
<i>Oral report</i>	<i>Student Ganina Maria Denisovna</i>	<i>Study of the composition of the epicuticular layer of Leptinitarsa Decemlineata for the development of biological methods for pest control</i>
<i>Oral report</i>	<i>Student Fedorova T.A. Postgraduate student Tykheev Zhargal Aleksandrovich</i>	<i>The composition and quantitative content of fatty acids of some species of Volodushka plants</i>
<i>Oral report</i>	<i>Master degree student Kuzukov Aysanat Aleksandrovich</i>	<i>Geoparks in Russia: challenges of creation and functioning and opportunities for the region (the case of Altai geopark)</i>

July 4, 2019

Development of promising organic and inorganic compounds and materials based on them

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Cand.Sc. (Chemistry), Senior researcher, Head of Laboratory Stelmakh Sergey Aleksandrovich, Cand.Sc. (Biology) Tikhonenkov Denis, Engineer Grigorieva Maria Nikolaevna, Cand.Sc. (Pharmacy) Ochirov Oleg Sergeevich, Cand.Sc. (Biology) Garkusheva Natalia Mikhailovna</i>	<i>Evaluation of the toxicity of water-soluble polyguanidines on hydrobionts</i>
<i>Plenary report</i>	<i>Cand.Sc. (Physics-Mathematics), Senior researcher, Head of Laboratory Minaev Nikita Vladimirovich</i>	<i>Laser methods for the formation of three-dimensional structures for photonics and biomedicine from new promising materials</i>
<i>Oral report</i>	<i>Cand.Sc. (Chemistry), Senior researcher Cherkasova Anastasia Valerievna</i>	<i>Matrix systems with a slow release of the active substance based on chitosan and substituted diarylimidazoles</i>
<i>Oral report</i>	<i>Junior researcher Minaeva Svetlana Anatolyevna</i>	<i>Composite materials for bone tissue regeneration</i>
<i>Oral report</i>	<i>Junior researcher Mariyanats Alexandra Olegovna</i>	<i>Creating a carrier matrix for dosage forms of prolonged action</i>
<i>Oral report</i>	<i>Engineer Deryabina Darya Mikhailovna</i>	<i>Development of a biokinetic model of drugs based on radionuclide Lu177 and evaluation of their dynamics in the human body</i>
<i>Oral report</i>	<i>Postgraduate student Dylenova Elena Petrovna</i>	<i>Biologically active substances Artemisia frigida Willd. and Artemisia jacutica Drob.</i>
<i>Oral report</i>	<i>Postgraduate student Buinov Alexander Stanislavovich</i>	<i>Biocompatible electro-conductive materials based on chitosan</i>

July 5, 2019

Socio-economic problems of sustainable development of the regions of Russia; China-Mongolia-Russia Economic Corridor: Challenges and Prospects

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Cand.Sc.(Geography),Assoc.prof. Pisarenko Sergey Vasilievich</i>	<i>The role of the Omsk region in the development of the South of Western Siberia</i>
<i>Plenary report</i>	<i>Cand.Sc.(Economics), Assoc.prof. Mochaeva Tatyana Vladimirovna</i>	<i>State support of engineering activity as a factor in the development of small and medium-sized entrepreneurs in the region</i>
<i>Oral report</i>	<i>Taibyl Regina Sergeevna</i>	<i>Improving the management of herding sites in the Republic of Tyva</i>
<i>Oral report</i>	<i>Cand.Sc.(Geography) Andreev Alexander Borisovich</i>	<i>Transport and logistics restrictions of the Mongolian economic corridor</i>
<i>Oral report</i>	<i>Cand.Sc.(Geography) Badmaev Aldar Gennadyevich</i>	<i>Priority areas for the development of energy infrastructure facilities in the Central Ecological Zone of the Baikal Natural Territory (CEZ BNT) of the Republic of Buryatia</i>
<i>Oral report</i>	<i>Leading engineer Rygzynov Tumun Shirapovich</i>	<i>Enterprises of the Ministry of Defense in the territorial organization of the border areas economy, the role in optimizing the spatial structures of socio-economic systems</i>
<i>Oral report</i>	<i>Cand.Sc.(Geography) Zangeeva Natalya Robertovna</i>	<i>Economic-geographical analysis of modern processes of urbanization</i>
<i>Oral report</i>	<i>Junior researcher Wang Shi Qin</i>	<i>On increasing the transparency of industries in resource-oriented regions of Belt and Road</i>
<i>Oral report</i>	<i>Cand.Sc.(Geography) Budaeva Darima Garmaevna</i>	<i>Geo-information database of unique natural sites of the China-Mongolia-Russia economic corridor (the case of the Republic of Buryatia and the Trans-Baikal Territory)</i>
<i>Oral report</i>	<i>Engineer Huang Zhanbing</i>	<i>Participation of Inner Mongolia Autonomous Region in the creation of the China - Mongolia - Russia economic corridor: interim results, current problems and proposals</i>

July 5, 2019

Geocological problems of Russian regions and adjacent territories in the context of globalization and environmental change

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Oral report</i>	<i>Postgraduate student Sayapina Daria Olegovna</i>	<i>Natural and anthropogenic transformation of landscapes of the Selenga middle mountains</i>
<i>Oral report</i>	<i>Engineer Kakorin Viktor Aleksandrovich</i>	<i>The use of remote sensing in forecasting weather anomalies and climate change</i>
<i>Oral report</i>	<i>Student Poposheva Polina Leonidovna</i>	<i>Study of the temperature regime in the basin of Lake Teletskoye (Republic of Altai)</i>
<i>Oral report</i>	<i>Engineer Sodnomov Bator Valerievich</i>	<i>Dynamics of vegetation cover in the border areas of Russia and Mongolia</i>
<i>Oral report</i>	<i>Postgraduate student Eletskaya Elena Vladimirovna</i>	<i>Ecology of the coastal zone of Lake Baikal</i>
<i>Oral report</i>	<i>Engineer Zharnikova Margarita Andreevna</i>	<i>Experience in compilation of the large- scale geobotanical map based on field and remote data</i>
<i>Oral report</i>	<i>Postgraduate student Belousov Vladislav Yuryevich</i>	<i>Dynamics of the Barguzinsky Range geosystems in the area of the Urbikan River</i>
<i>Oral report</i>	<i>Postgraduate student Suprunenko Andrei Gennadievich</i>	<i>Geological and geographical factors of the modern geocological situation of the Gusinozerskaya depression</i>

July 5, 2019

Modern environmental-safe technologies of environmental management and environmental protection

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Cand.Sc. (Chemistry), Head of Laboratory Morozov Sergey Vladimirovich</i>	<i>Persistent organic pollutants in the lake-river ecosystem of the river Selenga</i>
<i>Oral report</i>	<i>Cand.Sc. (Chemistry) Aseev Denis Gennadyevich</i>	<i>Sonochemical destruction of Bisphenol- A in aqueous solutions</i>
<i>Oral report</i>	<i>Master student Bardamova Ayuna Leonidovna</i>	<i>Adsorption of Rhodamine 6G dye using bentonite clay</i>
<i>Oral report</i>	<i>Master student Chernova Uliana Vadimovna</i>	<i>Laboratory studies of chemically evolving systems for enhanced oil recovery</i>
<i>Oral report</i>	<i>Bachelor Feklina Tamara Nikolaevna</i>	<i>The effect of thiosulfates on the process of photochemical oxidation of cyanides in aqueous solutions</i>
<i>Oral report</i>	<i>Cand.Sc. (Biology) Garkusheva Natalia Mikhailovna</i>	<i>The use of solar radiation for cleaning and disinfecting water in a Fenton-like system</i>
<i>Oral report</i>	<i>Cand.Sc. (Biology) Popova Svetlana Aleksandrovna</i>	<i>Photo-oxidative destruction of atrazine and inactivation of E. coli in the iron- persulfate system</i>
<i>Oral report</i>	<i>Cand.Sc. (Biology) Shirapova Galina Stepanovna</i>	<i>Photsonochemical inactivation of pathogenic microorganisms in aqueous media</i>
<i>Oral report</i>	<i>Cand.Sc. (Engineering) Tsenter Irina Mikhailovna</i>	<i>Inactivation of Enterococcus faecalis in water using UV - LEDs</i>
<i>Oral report</i>	<i>Engineer Munkoeva Varvara Anatolyevna</i>	<i>Influence of anions and dissolved organic matter on the process of photodegradation of azo dyes</i>
<i>Oral report</i>	<i>Student Mokhoeva Valeria Erdemovna</i>	<i>Production of iron-based materials based on natural clay for wastewater treatment</i>

July 5, 2019

Obtaining promising organic, inorganic compounds and materials based on them

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Dr.Sc. (Chemistry), Assoc.prof. Burdukovsky Vitaly Fedorovich</i>	<i>Heat-resistant polymers for 3D laser printing technologies</i>
<i>Plenary report</i>	<i>Cand.Sc. (Physics-Mathematics), Senior researcher Rybalovsky Alexey Olgerdovich</i>	<i>Laser methods for the formation of micro-and nano-structured composite materials</i>
<i>Oral report</i>	<i>Cand.Sc. (Engineering) Dashitsyrenova Margarita Sergeevna, Cand.Sc. (Engineering) Ayurova Oksana Zhimbievna, Cand.Sc. (Engineering) Kornopoltsev Vasily Nikolaevich, Cand.Sc. (Engineering) Ilyina Olga Vasilyevna, Dr.Sc. (Chemistry), Prof. Mogonov Dmitry Markovich</i>	<i>Polymer composite materials based on polytetrafluoroethylene</i>
<i>Oral report</i>	<i>Cand.Sc. (Chemistry) Ermolaev Andrey Vasilyevich</i>	<i>Octahedral chalcogenide cluster complexes of rhenium as precursors for obtaining coordination polymers with silver (I) compounds</i>
<i>Oral report</i>	<i>Cand.Sc. (Chemistry), Senior researcher Kholkhoyev Bato Chingisovich</i>	<i>Graphene-polymer composite materials for multifunctional purposes</i>
<i>Oral report</i>	<i>Engineer Grigorieva Maria Nikolaevna, Cand.Sc. (Chemistry), Senior researcher, Head of Laboratory Stelmakh Sergey Aleksandrovich</i>	<i>Multicomponent blends for proton conducting fuel cell membranes</i>
<i>Oral report</i>	<i>Engineer Kuznetsov Vitaly Anatolevich</i>	<i>Composite materials based on polybenzimidazole matrix - from synthesis to properties and practical application</i>
<i>Oral report</i>	<i>Laboratory assistant Frolova Anastasia Alexandrovna</i>	<i>Study of the mechanical characteristics' dependence on various factors in film materials based on the temperature-sensitive polymers</i>
<i>Oral report</i>	<i>Postgraduate student Korkunova Olga Sergeevna</i>	<i>Obtaining three-dimensional structures based on oligo- and polyamides using laser stereolithography</i>

Date: July 6, 2019

On this day, it is scheduled to carry out a visiting session of the IX School-Seminar of Young Russian Scientists "Problems of Sustainable Regional Development", dedicated to the 70th anniversary of Academician of RAS Arnold K. Tulokhonov in the Baikal Natural Reserve (in Tankhoy)

China-Mongolia-Russia Economic Corridor: Challenges and Prospects

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Plenary report</i>	<i>Dr.Sc. (Geography), Professor Sisoeva Natalia Mikhailovna</i>	<i>Foreign investment in the Russian part of the economic corridor: development opportunities</i>
<i>Plenary report</i>	<i>Dr. Zhao Minyan</i>	<i>Development patterns and cooperation paths of tourism industry within the China – Mongolia – Russia Economic Corridor</i>
<i>Oral report</i>	<i>Administrative assistant Luvsanjargal Erdenebayar, Researcher Batmunkh Dashkhuu, Researcher Surenjav Davaanyam</i>	<i>The role of Mongolia in the integration of Northeast Asia in the framework of the Russia - Mongolia - China economic corridor</i>
<i>Oral report</i>	<i>Dr. Cheng Hao</i>	<i>Assessment of economic benefits and ecological impacts and optimization policy for the China-Russia trans- border high-speed railway</i>
<i>Oral report</i>	<i>Junior researcher Li Yang</i>	<i>Russian-Chinese financial cooperation in the framework of the Belt and Road initiative</i>
<i>Oral report</i>	<i>Cand.Sc. (Economy) Namzhilova Victoria Ochirovna</i>	<i>Economic development of the Russian regions adjacent to the Mongolian corridor</i>
<i>Oral report</i>	<i>Cand.Sc. (Economy) Badaraev Damdin Dorzhievich</i>	<i>The Great Tea Road and the Mongolian Corridor: Opportunities for the Development of Transboundary Cooperation</i>
<i>Oral report</i>	<i>Cand.Sc. (History) Bazarov Viktor Borisovich</i>	<i>Mongolian-Chinese relations and Eurasian Central Asian logistics projects</i>
<i>Oral report</i>	<i>Cand.Sc. (Geography) Batomunkuev Valentin Sergeevich</i>	<i>Theory and practice of spatial development in the zone of the formation of the China - Mongolia - Russia economic corridor</i>
<i>Oral report</i>	<i>Dr.Sc. (Geography) Baastyn Oyuungerel</i>	<i>Prerequisites and conditions for the formation of an economic corridor in Mongolia</i>

July 6, 2019

Geoecological problems of Russian regions and adjacent territories in the context of globalization and environmental change

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Oral report</i>	<i>Student Beshentsev Nikolay Andreevich</i>	<i>Geoecological impact of the Yarakta oil and gas condensate field on the environment</i>
<i>Oral report</i>	<i>Cand.Sc. (Geography) Dmitrieva Nadezhda Grigoryevna</i>	<i>Some aspects of geo-ecological problems: the case of the Republic of Buryatia</i>
<i>Oral report</i>	<i>Cand.Sc. (Pharmacy) Pavlov Igor Arturovich</i>	<i>The chemical composition of the surface waters of the Selenga River and its tributaries in the low-water period. The elemental composition of water and bottom sediments of Lake Gusinoye (Republic of Buryatia)</i>
<i>Oral report</i>	<i>Student Yusupov Alexander Danilovich</i>	<i>Features of the ecological and geochemical composition of drinking water of Bakal City, Chelyabinsk region</i>
<i>Oral report</i>	<i>Cand.Sc. (Geography), Assoc.prof. Bolbukh Tatiana Vladimirovna</i>	<i>Пространственно-временное распределение нарушений химического состава природных вод на территории Республики Алтай</i>
<i>Oral report</i>	<i>Bachelor Kusraev Kirill Dmitrievich, Cand.Sc. (Biology), Assoc.prof. Kozlova Alla Afonasyevna</i>	<i>Application of the method of chemodestructional fractionation of humus in the study of the humus state of the soils of the Southern Cisbaikalia</i>
<i>Oral report</i>	<i>Cand.Sc. (Chemistry), Senior Researcher Pintaeva Evgenia Tsydenovna</i>	<i>Lipid composition of bottom sediments in paleoreconstructions of lake sedimentogenesis</i>
<i>Oral report</i>	<i>Student Karacheva Maria Andriyanovna</i>	<i>Heavy metals in soils and plants of high mountains</i>
<i>Oral report</i>	<i>Student Erdyneeva Svetlana Arkadyevna</i>	<i>Features of the heavy metals accumulation in coniferous trees of the Republic of Buryatia</i>

July 6, 2019

Modern environmental-safe technologies of environmental management and environmental protection

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
<i>Oral report</i>	<i>Cand.Sc. (Engineering), Assoc.prof. Mikhailov Vladimir Gennadievich, Dr.Sc. (Engineering), Prof. Kiseleva Tamara, Assistant Mikhailova Yana Sergeevna</i>	<i>The use of an automated system for accounting and efficient use of waste at the enterprise</i>
<i>Oral report</i>	<i>Engineer Khomoksonova Darya Petrovna</i>	<i>Comparative analysis of roasting molybdenum concentrate with magnesite and brucite</i>
<i>Oral report</i>	<i>Engineer Khomoksonova Darya Petrovna</i>	<i>Oxidizing roasting of molybdenum concentrate with brucite</i>
<i>Oral report</i>	<i>Cand.Sc. (Chemistry) Shavnin Alexey Andreevich</i>	<i>Estimation of the error of using the sum of active temperatures in the description of chemical processes</i>
<i>Oral report</i>	<i>Engineer Aleksieva Ekaterina Nikolaevna</i>	<i>Physico-chemical bases of waste-free technology for processing high- potassium aluminosilicate mineral raw materials to produce scarce chemical and agrochemical products</i>
<i>Oral report</i>	<i>Junior researcher Budaeva Aryuna Dugarzhapovna</i>	<i>Production of potassium magnesium sulphate on the basis of potassium alum isolated from synarynite after sintering with the additive</i>
<i>Oral report</i>	<i>Cand.Sc. (Engineering) Gulyashinov Pavel Anatolevich</i>	<i>Study of the material composition and physicochemical properties of high- sulfide lead-zinc ore from the Ozernoye deposit</i>

July 6, 2019

Obtaining promising organic, inorganic compounds and materials based on them

Type of report (plenary, oral, poster)	Full name of the speaker	Title of the report
Oral report	<i>Cand.Sc. (Physics-Mathematics) Bortnikov Sergey Grigorevich</i>	<i>Synaptic memory element based on polycrystalline film of vanadium dioxide</i>
Oral report	<i>Cand.Sc. (Chemistry) Kadyrova Julia Monirovna</i>	<i>Phase formation in systems $Li_2\text{O}_4\text{--}Ln_2(\text{O}_4)_3\text{--}Ln_2(\text{O}_4)_3\text{--}R_2(\text{O}_4)_3$ ($Ln = La, Gd, Y, Lu; R = Sc, Al, In; \text{O} = Mo, W$)</i>
Oral report	<i>Cand.Sc. (Chemistry) Subanakov Alexey Karpovich</i>	<i>New borates $Rb_3RB_6O_{12}$ ($R=Ln, Y, Sc$) in systems $RbBO_2\text{--}R_2O_3\text{--}B_2O_3$</i>
Oral report	<i>Cand.Sc. (Engineering) Milonov Alexander Stanislavovich Dr.Sc. (Engineering) Smirnyagina Natalia Nazarovna, Engineer Dasheev Dorzho Erdemovich</i>	<i>Research on the formation of coatings based on vanadium borides on chrome-tungsten die steel</i>
Oral report	<i>Engineer Dasheev Dorzho Erdemovich Junior researcher Lapina Anna Evgenevna, Dr.Sc. (Engineering) Smirnyagina Natalia Nazarovna Cand.Sc. (Engineering) Milonov Alexander Stanislavovich</i>	<i>Thermophysical model of electron beam boronation of carbon steel St3</i>
Oral report	<i>Junior researcher Tsyrenov Dmitry Badma-Dorzhevich</i>	<i>Vacuum synthesis technology of composite coatings based on titanium nitride on the principle of conjugation of vacuum-arc evaporation and magnetron sputtering processes</i>
Oral report	<i>Engineer Spiridonova Tatyana Sergeevna</i>	<i>Synthesis, structure and properties of new phases in systems $Ag_2\text{O}_4\text{--}M_2\text{O}_4\text{--}R_2(\text{O}_4)_3$ ($M = K, Rb, Cs; \text{O} = Mo, W; R - \text{trivalent metal}$)</i>
Oral report	<i>Postgraduate student Kovtunets Evgeny Viktorovich</i>	<i>New borates in systems $K_2O\text{--}Ln_2O_3\text{--}B_2O_3$</i>
Oral report	<i>Postgraduate student Iskhakzay Ramin Mohammad Hanifovich</i>	<i>Ferroelectric memory element FeRAM based on spontaneous polarization in $Hf_{0.5}Zr_{0.5}O_2$ films, Research on the influence of the method of forming SiO_2 films on the time dependent dielectric breakdown</i>
Oral report	<i>Bachelor Ustinov Dmitry Vladimirovich</i>	<i>Production and properties of materials based on lithium-cadmium borate doped with Cu^{2+} ions</i>

<i>Oral report</i>	<i>Bachelor</i> <i>Nadagurova Svetlana Chingisovna</i>	<i>Synthesis of nasicon-like phases in systems involving potassium tungstates, bivalent elements, ytterbium and lutetium</i>
<i>Oral report</i>	<i>Bachelor</i> <i>Ochirova Syndyma Sergeevna</i>	<i>New triple rubidium tungstates, bivalent elements and scandium</i>