

ORGANIZER

Buryat State University named after D. Banzarov
(Ulan-Ude, Russian Federation)

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AGENDA

June 30, Sunday

5.30 – 9.00. Meeting, placement and breakfast in the hotel “Buryatia” (<http://www.buryatihotel.com/main>) and the BSU hostel.

9.00 – 10.00. Registration in the 1st building of the Buryat State University named after D. Banzarov (BSU), Institute of Mathematics and Computer Science, room 1311 (3rd floor).

10.00 – 16.00. Excursion to Ivolginsky Datsan. (https://en.wikipedia.org/wiki/Ivolginsky_Datsan).

18.00 – 21.00. The organized dinner (canteen of BSU, small hall, 2nd floor).

July 1, Monday

9.00 – 12.00. Registration in the 1st building of the Buryat State University named after D. Banzarov (BSU), Institute of Mathematics and Computer Science, room 1311 (3rd floor).

12.00 – 13.00. The organized lunch (canteen of BSU, small hall, 2nd floor).

14.00. The organized departure from the 1st building of the BSU.

17.00 – 18.00. Arrival and placement in Enkhaluk (bases "OSLIK" and "Baikal Yard").

18.30 Dinner.

July 2, Tuesday

9.30. Breakfast.

10.00 – 12.50. Scientific program.

13.30. Lunch.

15.00 – 17.20. Scientific program.

18.30. Dinner.

July 3, Wednesday

9.30. Breakfast.

10.00 – 12.40. Scientific program.

13.30. Lunch.

15.00 – 17.40. Scientific program.

18.30. Dinner.

July 4, Thursday

9.30. Breakfast.
10.00 – 16.00. Cultural program.
13.30. Lunch.
18.30. Dinner.

July 5, Friday

9.30. Breakfast.
13.30. Lunch.
15.00. Organized departure of participants from the bases on Baikal to Ulan-Ude.

July 6, Saturday

9.30. Breakfast.
13.30. Lunch.
15.00. Organized departure of participants from the bases on Baikal to Ulan-Ude.
19.00 – 20.00. The organized dinner (canteen of BSU, small hall, 2nd floor).
20.00 – 21.00. Arrival at the railway station of Ulan-Ude.

Possible changes in the program can be made along the way.

Official languages: Russian and English.

Scientific program includes summary reports in the following domains:

1. Qualitative theory of ordinary differential equations;
2. Numerical methods for solving ordinary differential equations
3. Differential-algebraic equations: qualitative theory and methods of solution;
4. Integral and integro-algebraic equations;
5. The problems of control of dynamic systems;
6. Integral and differential equations in applied problems;
7. The issues of training specialists.

Regulations:

report – 30 and 15 minutes,
questions and answers – 10 and 5 minutes.

SEMINAR PROGRAM

July 1, Monday

Ulan-Ude – Enkhaluk

9.00 – 12.00. Registration in the 1st building of the Buryat State University named after D. Banzarov (BSU), Institute of Mathematics and Computer Science, room 1311 (3rd floor).

12.00 – 13.00. The organized lunch (canteen of BSU, small hall, 2nd floor).

14.00. The organized departure from the 1st building of the BSU.

17.00 – 18.00. Arrival and placement in Enkhaluk (bases "OSLIK" and "Baikal Yard").

18.30. Dinner.

July 2, Tuesday

Enkhaluk

9.30. Breakfast.

10.00 – 13.00. Scientific program.

Chairman:

Bulatov M.V.

(doctor of science in physics and mathematics, IDSTU SB RAS)

10.00 – 10.10	OPENING OF THE SEMINAR		
10.10 – 10.50	Ta Duy Phuong	Hanoi Institute of Mathematics, Vietnam	A brief overview of the history of Vietnames mathematics and the history of teaching mathematics in Vietnam
10.50 – 11.30	Siegfried M. Rump	Institute for Reliable Computing Hamburg University of Technology, Germany	Rigorously verified solution of ODEs
11.30 – 12.10	Vladimir E. Fedorov	Chelyabinsk State University, Russia	Differential equations in Banach space, not solvable for the derivative of the distributed order
12.10 – 12.50	Naoyasu Kita	Faculty of advanced science and technology Kumamoto university Japan	Optimal decay rate of global solutions to the schodinger equation with cubic dissipative nonlinearity

13.30. Lunch.

15.00 – 17.20. Scientific program.

Chairman:

Buldaev A.S.

(doctor of science in physics and mathematics, BSU)

15.00 – 15.20	Liubov S. Solovarova	Matrosov Institute for System Dynam- ics and Control Theory SB RAS Irkutsk, Russia	On block methods for initial-value problem in differ- ential-algebraic equa- tions
15.20 – 15.40	Olga S. Budnikova	Irkutsk State Uni- versity, Irkutsk, Russia	Multistep methods for numerical solu- tion of integral- algebraic equations of index two
15.40 – 16.00	Dmitriy O. Trunin	Buryat State Uni- versity named after D.Banzarov, Ulan- Ude Russia	On a certain ap- proach to optimiza- tion quadric-in-state controlled systems with terminal con- straints
16.00 – 16.20	Ivan D. Burlakov	Buryat State Uni- versity named after D.Banzarov, Ulan- Ude Russia	About one method of improving con- trol in systems with constraints
16.20 – 16.40	Darima D. Nikolaeva	Buryat State Uni- versity named after D.Banzarov, Ulan- Ude Russia	About a formal model of dynamic systems
16.40 – 17.00	Marina S. Kozhevina	Buryat State Uni- versity named after D.Banzarov, Ulan- Ude Russia	Construction of quadrature formulas involving deriva- tives
17.00 – 17.20	Ay-Kys E. Seveen	Buryat State Uni- versity named after D.Banzarov, Ulan- Ude Russia	On an inverse prob- lem for a linear dif- ferential equation of the third order

18.30. Dinner.

July 3, Wednesday

Enkhaluk

9.30. Breakfast.

10.00 – 13.00. Scientific program.

Chairman:

Fedorov V.E.

(doctor of science in physics and mathematics, CSU)

10.00 – 10.40	Allal Guessab	Laboratoire de Mathématiques et de leurs Applications Université de Pau et des Pays de l'Adour, France	On the Enrichment of finite-element approximations
10.40 – 11.20	Ta Duy Phuong	Hanoi Institute of Mathematics, Vietnam	On the linear pursuit games on time scale
11.20 – 12.00	B. T. Kien	Department of Optimization and Control Theory Institute of Mathematics, Vietnam Academy of Science and Technology, Vietnam	Regularity of multipliers in second-order optimality conditions for semilinear elliptic optimal control problems
12.00 – 12.40	Khongorzul Dorjgotov	Institute of Mathematics National University of Mongolia, Mongolia	Linear time fractional telegraph equations and their explicit solutions

13.30. Lunch.

15.00 – 18.00. Scientific program.

Chairman:

Ta Duy Phuong

(Hanoi Institute of Mathematics, Vietnam)

15.00 – 15.40	Uganbayar Zunderiva	Department of Mathematics National University of Mongolia, Mongolia	Exact solutions of time fractional linear diffusion-wave equations
15.40 – 16.00	Sergey S. Orlov	Irkutsk State University, Irkutsk, Russia	Weak-singular integro-differential equations in Banach spaces: the solvability of initial problems and applications
16.00 – 16.20	Valentina V. Shemetova	Irkutsk State University, Irkutsk, Russia	On one special operator function and its application in constructing the fundamental solutions of the differential equations in Banach Spaces
16.20 – 16.40	Ekaterina A. Kruglova	Novosibirsk State University, Novosibirsk, Russia	Numerical analysis of the singularities of axisymmetric stationary flows of a polymer liquid
16.40 – 17.00	Nima B. Tsyrenzhapov	Buryat State University named after D.Banzarov, Ulan-Ude Russia	Cubature formulas involving derivatives
17.00 – 17.20	Tumen G. Darmaev	Buryat State University named after D.Banzarov, Ulan-Ude Russia	To calculation of unsteady flow of arbitrary profile
17.20 – 17.40	Konstantin P. Dirkheev	Buryat State University named after D.Banzarov, Ulan-Ude Russia	Estimation of the growth trajectories of the regional economy based on the extended inter-sectoral model

18.30. Dinner.

July 4, Thursday

Enkhaluk

9.30. Breakfast.

10.00 – 16.00. Cultural program.

1	Boarding a boat on the beach in Enkhaluk near the bases	10.00
2	Transfer by boat to the White Stone area in groups of 8 people	10.00-12.00
3	Arrival on the White Stone, excursion	12.00
4	Mountain climbing. Photosession	12.00-13.00
5	Dinner. Fish on the edge	13.00-14.00
6	Boat transfer to Enkhaluk	14.00-16.00
7	Return to base	16.00

18.30. Dinner.

SEMINAR VENUE

The Seminar will be held in a fabulous place in the wonderful woodland of the village Enkhaluk on the famous lake Baikal.

Lake Baikal is the lake with greatest volume of freshwater in the world, containing roughly 20% of the world's unfrozen surface fresh water, and at 1,642 m, the deepest. It is also among the clearest of all lakes, and thought to be the world's oldest lake at 25 million years. It is the seventh-largest lake in the world by surface area.

Enkhaluk (Enkheluk in Buryat) is a village on the eastern shore of Lake Baikal. Officially part of the village of New Enkhaluk. At 6 kilometers from it is the famous Proval Bay. Translated from the Buryat "enhaluk" means "calm, peaceful, gracious." This is one of the favorite places of recreation and tourism in Buryatia. The coast of Baikal in the area of Enkhaluka is a great sandy beach where you can find lonely places. It is dominated by gently sloping shores with long sandy beaches that stretch for 10 kilometers. Most of all people come here to relax, go boating, fishing.

In the summer at Baikal it can be very hot, but it can be very cold, and in one day. This temperature difference is especially characteristic of June and the second half of August, but in July the winds bring tangible coolness. Therefore, you need to take all kinds of clothes with you - both to sunbathe and not to freeze. Be sure to need something warm and windproof, preferably with a hood, and a knitted cap, because the main supplier of discomfort is the cold Baikal wind. Light closed clothing for sun protection and a cap with a long visor or a wide-brimmed hat are also desirable.



