

The conference is supported by the Russian Foundation for Basic Research (grant № 11-01-06058)

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Tuesday, July 5th

7:45	Breakfast at hotel
8:35	Departure of bus from the hotel
9.00	Registration, room 201B
10.00	Conference opening , room 401B V.V. Pukhnachev, G.V. Leonov
10.20	Keynote lecture. V.E. Zakharov <i>Equation for surface waves moving in one direction</i>
10.50	R.V. Shamin <i>Modeling of freak waves: qualitative research and prediction</i>
11.10	Coffee Break, room 403B
11.30	A.V. Domanskii <i>mathematical modeling of processes of a mud volcanism</i>
11.50	V.Yu. Liapidevskii, V.N. Gavrilov <i>Near shore dynamics of large-amplitude surface and internal waves: theory and experiment</i>
12.10	S.N. Karabtcev <i>Mathematical modeling of breaking processes and the subsequent distribution nonlinear solitary waves in a coastal zone</i>
12.30-12.50	K.E. Afanasiev, T.S. Rein <i>Numerical modeling of interaction solitary waves in a viscous flows with various obstacle</i>
13.00	LUNCH

14.00	V.A. Solonnikov <i>On stability of liquid, uniformly rotating in a weak magnetic field</i>
14.20	G. Prokert <i>Justifying the thin film approximation: a rigorous limit result for Stokes flow driven by surface tension</i>
14.40	S.I. Shmarev <i>Dynamics of supports of solutions to anisotropic parabolic equations with nonstandard growth</i>
15.00	V.V. Shelukhin <i>Free boundaries in the well-drilling problem with proper account for stresses in a saturated porous medium</i>
15.20	T.P. Lyubimova, D.V. Lyubimov, A.O. Ivantsov <i>The dynamic of gas inclusions in porous media saturated by natural hydrate</i>
15.40	Coffee Break, room 403B
16.00	POSTER SESSION (1-13), brief oral presentations (5 min)
17.20-18.00	Discussion of posters, room 406B
18.00	DINNER
19.00	Departure of bus to the hotel

Wednesday, July 6th

8.00	Breakfast at hotel
8:35	Departure of bus from the hotel
9.00	Keynote lecture. V.E. Nakoryakov, S.Ya. Misyura <i>Specifics of water and watered-alcohol drops evaporating on the heating surface</i>
9.30	V. N. Khmelev, R.N. Golykh, S.S. Khmelev, R.V. Barsukov, A.V. Shalunov <i>Evaluation of optimal conditions and modes of acoustic effects on the viscous and dispersive medium</i>
9.50	S.V. Alekseenko, D.M. Markovich, A.V. Cherdantsev <i>Wavy structure of annular gas-liquid flow</i>
10.10	M. V. Kripakova, A. G. Knyazeva, I. M. Goncharenko <i>Coating growth in arc vapor deposition conditions: theory and experiment</i>
10.30	V.G. Kozlov, D.A. Polezhaev <i>Vibrational rimming flows and their stability</i>
10.50	Coffee Break, room 403B
11.10	V.S. Ajaev, D. Brutin, L. Tadrict <i>Evaporation and gravity-driven flow of liquid film on heated surface</i>
11.30	R.V. Birikh <i>Simulation of concentration convection in regions with the interface: the features of the boundary conditions</i>

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11.50	V.B. Bekezhanova <i>Instability of two-layer thermocapillary flow in zero gravity conditions</i>
12.10	A. Boudlal, V. Liapidevskii <i>Stability of roll waves on thin films on incline</i>
12.30-12.50	D.V. Lyubimov, T.P. Lyubimova, N.I. Lobov <i>Rayleigh-benard-marangoni instability in a fluid layer with deformable interface</i>
13.00	LUNCH
14.00	A.G. Petrova, A.A. Korobkin <i>Mathematical modelling of wax crude oil flow in subsea pipelines</i>
14.20	O.M. Lavrenteva, L. Rosenfeld, A. Nir <i>Deformation of compound drops during thermocapillary migration</i>
14.40	V.K. Andreev <i>Unidirectional two-layer flows of fluids in cylindrical domains</i>
15.00	A.A. Chesnokov <i>Free fluctuations of the stratified liquid in a rotating basin</i>
15.20	Coffee Break, room 403B
15.40	POSTER SESSION (14-27), brief oral presentations (5 min)
17.00-18.00	Discussion of posters, room 406 B
18.00	DINNER
19.00	Departure of bus to the hotel

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Thursday, July 7th

8.00	Breakfast at hotel
8:35	Departure of bus from the hotel
9.00	<u>A. Kraberg</u> , I. Bussman, M. Loeder, K. Wiltshire <i>The plankton community of the Lena delta in relation to hydrographic conditions</i>
9.20	V.A. Shlychkov <i>Composition and structure of mathematical models for rivulet flows and processes in sibirian river estuaries</i>
9.40	<u>E. Shchekinova</u> , A. Kraberg, I. Bussman, M. Boersma, K. Wiltshire <i>Stability analysis of bioconvection in a fluid porous medium with variable permeability</i>
10.00	I.I. Potapov <i>On the modeling of fluvial processes in rivers with a sandy bottom</i>
10.20	<u>T.P. Brey</u> , K.H. Wiltshire <i>Modeling challenges in coastal research of the Alfred Wegener Institute for Polar and Marine Research</i>
10.40	Coffee Break, room 403B
11.00	O.N. Goncharova, <u>V.V. Pukhnachev</u> <i>Construction of exact solutions to 3d convection problems</i>
11.20	<u>A.V. Domanskii</u> , B.W. Levin, E.V. Sasorova <i>About the possible contribution of effects of rotation of the earth to geodynamics</i>

11.40	<u>E.V. Ermanyuk</u> , J.-B. Flor <i>Internal wave generation and breaking by a horizontally oscillating torus</i>
12.00	A.G. Petrov <i>The coalescence and resonant breakup of pulsating gas bubbles in fluid</i>
12.20-12.40	E.A. Kuznetsov <i>Bifurcations for solitons of internal waves</i>
13.00	LUNCH
	SESSION 1 (room 401 B)
14.00	<u>A.A. Papin</u> , M.A. Tokareva <i>Filtration of a compressible fluid in viscoelastic rock</i>
14.20	T.A. Bodnar <i>Conservation law of the full mechanical energy and stability of the steady-state waves on the surface of a fluid of finite depth</i>
14.40	E.N. Zhuravleva, <u>E.A. Karabut</u> <i>Loaded complex equations in the free boundary problems</i>
15.00	L.A. Tkacheva <i>The impact of a box onto shallow water under small angle</i>
15.20	N.I. Makarenko, <u>V.K. Kostikov</u> <i>Unsteady motion of the elliptic cylinder under free surface</i>
15.40	Coffee Break, room 403B

Thursday, July 7th (continuation)

	SESSION 1 (room 401 B)
16.00	<u>E.A. Batyaev</u> , T.I. Khabakhpasheva <i>Inclined entry of body onto thin layer of liquid</i>
16.20	V.N. Demidov <i>Numerical analysis of the wave effects accompanying the heat shock</i>
16.40	V.P. Zhitnikov, <u>R.R. Muksimova</u> , A.R. Salimyanov <i>Boundaries shaping in nonstationary electrochemical machining by round electrode-tool</i>
17.00	<u>A.V. Proskurin</u> , A.M. Sagalakov <i>Stability of poiseuille plane flow in longitudinal magnetic field</i>
17.20- 17.40	<u>V.V. Ostapenko</u> , P.E. Karabut <i>Method of successive approximations for the rieman problem with a small amplitude discontinuity</i>
	SESSION 2 (room 402 B)
14.00	I.I. Wertgeim, <u>M.A. Kumachkov</u> <i>Marangoni convection from localized heat source</i>
14.20	V.G. Gasenko <i>Free laminar convection in a vertical semi-circle duct</i>
14.40	S.P. Aktershev <i>Thermocapillary waves in liquid film</i>
15.00	I.I. Ryzhkov <i>On thermocapillary instability in a liquid column</i>

15.20	V.V. Kuznetsov <i>Motion of liquid film in fissural microchannel</i>
15.40	Coffee Break, room 403B
16.00	<u>A.I. Mizev</u> , R.V. Birikh <i>Convective flows induced by inhomogeneity of surfactant distribution</i>
16.20	<u>A.I. Lutsik</u> , A.I. Mizev, D.A. Bratsun <i>Dynamics formation of the surface phase of the surfactant</i>
16.40	N.L. Sobachkina <i>On the motion of a binary mixture and a viscous fluid in a thermally isolated cylindrical tube</i>
17.00	<u>A.A. Alabuzhev</u> , M.V. Khenner <i>Parametric influence on marangony convection in a thin film</i>
17.20- 17.40	M.K. Ermakov <i>A loss of stability of high-prandtl number thermocapillary convection</i>
18.00	DINNER (upon request)
19.00	BANQUET
23.00	Departure of bus to the hotel

Friday, July 8th

8.00	Breakfast at hotel
8:35	Departure of bus from the hotel
9.00	D.G. Arkhipov, D.I. Kachulin, <u>O.Yu. Tselodub</u> <i>A study of nonlinear evolution equation for liquid film flowing down a vertical plane</i>
9.20	<u>T.I. Khabakhpasheva</u> , A.A. Korobkin <i>Air-cushion effect in the problem of elastic panel impact</i>
9.40	<u>E.A. Chinnov</u> , O.A. Kabov <i>Two-phase flow in microchannels</i>
10.00	A.G. Knyazeva <i>Pressure diffusion effect during elements redistribution at the condition of ion implantation</i>
10.20	<u>K.G. Kostarev</u> , A.V. Shmyrov, C.A. Bushueva <i>Diffusion of a surfactant from a drop connected to a reservoir</i>
10.40	Coffee Break, room 403B
11.00	N.M. Zubarev, <u>O.V. Zubareva</u> <i>Equilibrium configurations of the surface of a conducting liquid in the magnetic field of a current-carrying straight conductor</i>
11.20	G.M. Poletaev, A.M. Sagalakov, <u>P.S. Stenchenko</u> <i>Lyapunov instability and structural instability of molecular dynamic problem</i>

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11.40	<u>A.I. Mizev</u> , D.A. Bratsun, A.I. Lutsik <i>Interaction of capillary flow with an adsorbed film of a surfactant</i>
12.00	<u>M.O. Denisova</u> , K.G. Kostarev <i>The influence of surfactant properties on the development of the marangoni convection on the free surface</i>
12.20-12.40	Yu.V. Pivovarov <i>Calculation of the drops motion in a plastic medium</i>
13.00	LUNCH
14.00	<u>V.E. Zhukov</u> , A.N. Pavlenko, M.I. Moiseev <i>Experimental investigation of the effect of SiO_2 nanoparticles in freon-21 on propagation velocity of the self-maintained evaporation front</i>
14.20	A.A. Korobkin <i>Free-surface separation from moving vertical wall</i>
14.40	<u>V.V. Donskay</u> , M.Yu. Zhukov <i>Convection of superfluid liquid in a plane layer with a free boundary</i>
15.00	General debates. Conference Close.

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Saturday, July 9th

7.30	Breakfast at hotel
8.30 – 18.00	Excursion to lake Manzherok
18.00	DINNER (upon request)

Sunday, 10 July

8.00	Breakfast at hotel
10.00 -18.00	Excursion to Belokurikha town
18.00	DINNER (upon request)

POSTERS

1. S.P. Aktershev *Heat transfer in falling laminar-wavy liquid films*
2. S.P. Aktershev, V.V. Ovchinnikov *Model of dynamic of the vapor cavity at the explosion boiling-up*
3. A.A. Alabuzhev *Effect of contact angle hysteresis on the dynamics of a cylindrical drop*
4. I.G. Akhmerova *Local solvability initial-boundary value problem for equations one-dimensional motion of the two-phase mixture*
5. A.A. Bocharov, G.A. Khabakhpashev, O.Yu. Tsvlodub *Numerical definition of 3-dimensional stationary running perturbations on the liquid layer free boundary*
6. C.A. Bushueva, K.G. Kostarev *Evolution of a layer of ferrofluid, lying on a liquid substrate, subjected to the action of the magnetic field*

7. A.F. Voevodin, O.N. Goncharova *Method of computation of the problems of convection on the basis of splitting into physical processes*
8. A.F. Voevonin, T.B. Grankina *Mathematical modelling of the ice-thermal regime of water bodies and salines*
9. N.M. Zubarev *Dynamics of the interface of dielectric liquids in an electric field*
10. A.O. Ivantsov *The dynamic of liquid drop on substrate under high frequency vibrations*
11. Su Man Kan, N.I. Yavorsky *Control of separation processes of a binary mixture in a vortex tube*
12. K.V. Kovalevskaya, T.P. Lyubimova *Bifurcation of thermal convection in viscoelastic fluid in a closed cavity*
13. E.N. Lemeshkova *The unidirectional movement of the three viscous liquids in flat layers*
14. T.P. Lyubimova, Ya.N. Parshakova *Onset of convection in a two-layer system with deformable interface and fixed heat flux at the boundaries*
15. M.A. Mikolaichuk, A.G. Knyazeva *Coating-base diffused zone formation in the case of isothermal annealing under loading*
16. R.I. Mullyadzhyanov, N.I. Yavorsky *Problem of stability of a submerged jet*
17. V.V. Ostapenko, O.A. Kovirkina *On real accuracy of shock capturing difference schemes*

18. A.V. Perminov *Long-wave instability of the thin film downflow of a fluid with non-linear viscosity*
19. A.V. Proskurin, A.M. Sagalakov *Linear stability analysis of nonparallel flow*
20. A.E. Samoilova *Weakly nonlinear analysis of an oscillatory instability of a flat layer with a free surface*
21. M.A. Timofeeva, M.Yu. Podymova *Soft shell shaping in the flow close to the screen*
22. O.A. Frolovskaya, A.A. Nepomnyashchy *Stability of a two-layer quasi-incompressible binary-fluid system with a diffuse interface*
23. Yu.A. Chumakov, A.G. Knyazeva *The role of thermal expansion in the destruction of polymer in the neighborhood of hot particle*
24. S.A. Shanin, A.G. Knyazeva *Ion distribution in plasma at the condition of requirements magnetron coating deposition*
25. E. N. Shatskii, E. A. Chinnov *Action of thermo-capillary effects on wavy motion of falling liquid films*
26. K.A. Shishmarev *Heat and mass transfer in thawing snow*
27. A.V. Shmyrov, K.G. Kostarev *Dynamics of a rupture of a fluid layer on a liquid substrate*