

Program of the International Conference

*Qualitative Theory of Differential Equations*

**(The creative legacy of outstanding mathematicians V.A. Kondratyev and O.A. Oleinik), dedicated to the 85th anniversary of the birth of Professor of the Department of Differential Equations of Lomonosov Moscow State University V.A. Kondratiev and to the 95th anniversary of the birth of Professor of the Department of Differential Equations of Lomonosov Moscow State University Academician O.A. Oleinik**

Sunday, December 27

**10:00.** Conference opening. V.V.Kozlov, A.I.Shafarevich, V.N. Chubarikov.

**10:45.** G.A. Chechkin. On the scientific heritage of O. A. Oleinik and its development.

**11:15.** I.V. Astashova. On the scientific heritage of V.A. Kondratiev.

**11:45.** A.A. Shkalikov, Unconditional Basis Property for Ordinary Differential Operators with Distribution Coefficients.

**12:15.** A.S. Shamaev, Spectral problems in G-convergence theory.

**12:45.** I.N. Sergeev, On some cases of in-distinguishability of Lyapunov, Perron and upper-limit stability properties of differential system.

**13:15-14:00.** Lunch.

14:00. A.V. Fursikov, On nonlocal stabilization problem for some hydrodynamic type systems.

14:30. L.S.Pulkina, On solvability of nonlocal problems with conditions of integral form for hyperbolic equations.

15:00. A. Demidov, Control test for algorithms to the numerical solution of some ill-posed problems.

15:30. A.V. Filinovsky, Asymptotic representation of the first Robin eigenvalue for large parameter values.

16: 00-16: 15. Coffee break

16:15. A.I. Nazarov, A.P. Shcheglova, On sharp constants in some 1D inequalities.

16:45. A.L. Pyatnitsky (Norway, Russia), Averaging of non-local operators in perforated domains.

17:15. A.A. Ilyin, Attractors for the damped regularized Euler equations.

17:45. T. Kiguradze (USA), On Problems of Periodic Type for a Class of Higher Order Nonlinear Hyperbolic Equations.

18:15. A. Kulikov, Variational Ginzburg-Landau equations. Local bifurcations and the global attractor.

Monday, December 28

10:00. S.E. Pastukhova, Homogenization estimates for high order elliptic operators.

10:30. A.A. Kon'kov, On removable singularities of solutions of quasilinear elliptic equations.

11:00. A.A. Davydov, Optimization of periodic impulse exploitation of distributed population.

11:30. S. Padhi (India), Positive periodic solutions of a an ecological model with discrete and distributive delays.

12:00. J. Diblík (Czech Republic), Representations of solutions to autonomous linear discrete systems and their application in the control theory.

12:30. A.Domohnitsky (Izrael), Shau Levi. Stability of second order neutral equations.

13:00. P. Lima (Portugal), Numerical solution of stochastic differential equations with applications to working memory.

13:30-14:15. Lunch

14:15. T.A. Shaposhnikova, A nonlocal term arising in critical scale homogenization of diffusion equation with dynamic boundary conditions in perforated domains.

14:45. A. Lomtadze (Czech Republic), On periodic Boundary Value Problems to Non-linear Second-Order Equations.

15:15. Ju.A. Alkhutov, M.D. Surnachev, On a fundamntal solution for elliptic equations with low-order terms.

15:45. A. Ronto (Czech Republic), Periodic successive approximations and their extensions.

16:15-17:00. Coffee break

17:00. G.V. Grishina, Regularity results for non-diagonal parabolic systems with composite boundary conditions.

17:30. V. Denisov, On the Behavior of Solutions to Prabolic Equations for Large Values of Time.

18:00. Ju. S. Ilyashenko, Global bifurcation theory on the plane.

18:30. I. Rudakov, M.D. Zinoviev, The problem of periodic solutions of the Euler-Bernoulli equation with homogeneous boundary conditions.

19:00. S.S. Ezhak, M.Yu. Telnova, On conditions on the potential in a Sturm-Liouville problem and upper estimates for it's minimal eigenvalue.

19:30. Z. Došlá (Czech Republic), Decaying solutions of second order difference equations with mean curvature operator, joint work with S. Matucci (Italy) and P. Rehak (Czech Republic).

20.00. E.V. Radkevich, M.I. Sidorov, O.A. Vasilieva, Questions to the turbulence of the combustion process.