

Saturday, July 16

09:00-09:30	Registration
09:35-09:45	Opening
09:45-09:55	N.N. Uraltseva
10:00-10:40	J.F. Rodrigues (online), <i>On obstacle problems for non coercive linear operators</i>
10:45-11:25	T.A. Suslina , <i>Homogenization of hyperbolic equations with periodic coefficients</i>

Coffee break

12:00-12:30	S.A. Nazarov , <i>Threshold resonances in spectra of waveguides of different physical nature</i>
12:35-13:05	G.A. Chechkin , <i>On Meyers estimates</i>

Lunch

15:00-15:30	H. Beirao da Veiga (online), <i>Double periodic viscous flows in infinite space-periodic pipes</i>
15:35-15:55	A. Kh. Balchi (online), <i>Maximal regularity of local and nonlocal equations with degenerate weights</i>
16:00-16:20	A.P. Shcheglova (online), <i>Some new periodic solutions to semilinear equations in \mathbb{R}^n with fractional Laplacian</i>

Coffee break

16:50-17:10	S.E. Pastukhova , <i>On resolvent approximations of elliptic differential operators with periodic coefficients under low regularity condition</i>
17:15-17:35	A.V. Borovskikh , <i>Group analysis of kinetic equations and the problem of the moment system closing</i>
17:40-18:00	V.A. Sloushch , <i>Homogenization of non-local operators of convolution type</i>

18:30	Boat trip
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Sunday, July 17

- 09:35-09:55 **D.V. Korikov**,
Electric impedance tomography of surfaces with boundary
- 10:00-10:40 **S. Terracini** (online),
Higher order boundary Harnack principle on nodal domains via degenerate equations
- 10:45-11:25 **M. Del Pino** (online),
Dynamics of concentrated vorticities in 2d and 3d Euler flows

Coffee break

- 12:00-12:30 **M.D. Surnachev**,
Lavrentiev phenomenon in partial Sobolev spaces of differential forms
- 12:35-13:05 **V.A. Kozlov** (online),
The subharmonic bifurcation of Stokes waves with vorticity

Lunch

- 15:00-15:30 **G.P. Panasenko** (online),
Non-Newtonian flows in thin tube structures
- 15:35-15:55 **T. Isernia** (online),
Partial regularity for elliptic and parabolic systems with Orlicz growth
- 16:00-16:20 **T.A. Shaposhnikova**,
A strange non-local monotone operator arising in the homogenisation of a diffusion equation with dynamic nonlinear boundary conditions on particles of critical size and arbitrary shape

Coffee break

- 16:50-17:10 **S.S. Postnov**,
Optimal control problems for fractional-order diffusion and diffusion-wave equations
- 17:15-17:35 **N.S. Goncharov** (online),
The non-uniqueness of the Showalter-Sidorov problem for the Barenblatt–Zhel'tov–Kochina equation with Wentzell boundary conditions in a bounded domain
- 17:40-18:00 **O. Abdullaev** (online),
Inverse problem with a nonlinear gluing condition for a mixed type equation involving a nonlinear load
- 18:05-18:25 **E.V. Bychkov** (online),
Study of one class semilinear Sobolev type equations by the Galerkin method
- 18:30-18:50 **Sh. Gupta** (online),
Existence and multiplicity of solutions to N -Kirchhoff equations with critical exponential growth and a perturbation term

Monday, July 18

- 09:35-09:55 **D. Hauer** (online),
The fundamental gap conjecture
- 10:00-10:20 **L.G. Softova** (online),
Qualitative properties of the weak solutions of a kind of nonlinear elliptic systems
- 10:25-10:45 **D. Torres-Latorre** (online),
Optimal regularity for supercritical parabolic obstacle problems
- 10:50-11:10 **E.E. Lokharu** (online),
Fine properties of steady water waves
- 11:15-11:35 **E.P. Ivanova** (online),
Elliptic differential-difference equations with incommensurable shifts of arguments

Coffee break

- 12:00-12:30 **V.E. Fedorov**,
Incomplete Cauchy type problem for quasilinear equations with Riemann-Liouville derivative
- 12:35-13:05 **V.P. Golubyatnikov**,
Invariant foliations in gene network models

Lunch

- 15:00-15:30 **D.K. Palagachev** (online),
Quasilinear elliptic equations with Morrey data
- 15:35-16:15 **J. Wei** (online),
High multiplicities interface solutions for Allen-Cahn equation

Coffee break

- 16:45-17:15 **B. Sirakov** (online),
Basic elliptic estimates with optimized constants and applications to the qualitative theory of elliptic PDE
- 17:20-18:00 **M.V. Safonov** (online),
What we know, and what we don't about second order elliptic and parabolic equations
- 18:10-19:40 **D.E. Apushkinskaya, A.I. Nazarov** (Informal talk)
Remembering Olga Ladyzhenskaya

Tuesday, July 19

- 09:35-09:55 **A. Srakar** (online),
Solution to stochastic partial Loewner equation with several complex variables using Nevanlinna theory
- 10:00-10:40 **X. Ros-Oton** (online),
The singular set in the Stefan problem
- 10:45-11:25 **E.Yu. Panov**,
On a construction of spatially periodic weak solutions to a Stefan problem and nonstandard estimates for the heat equation

Coffee break

- 12:00-18:00 **Trip to Komarovo cemetery**

Wednesday, July 20

09:35-10:05 **V.K. Kalantarov** (online),
Blow up of solutions of nonlinear parabolic and wave equations with positive initial energy

10:10-10:50 **O. Pironneau** (online),
On the radiative transfer equations

10:55-11:25 **Yu.V. Vassilevski**,
Stable numerical schemes for modelling hemodynamic flows in time-dependent domains

Coffee break

11:55-12:25 **M.E. Frolov**,
Error control for problems in Cosserat (micropolar) elasticity theory

12:30-13:00 **G.G. Lazareva**,
Mathematical modeling of plasma confinement in the helically corrugated magnetic field

Lunch

15:00-15:20 **I.V. Astashova**,
Apriori estimates of minimizer in a control parabolic problem

15:25-15:45 **A.Sh. Lyubanova**,
Coefficient inverse problems for the filtration equation

15:50-16:10 **S.V. Shaposhnikov**,
On probability solutions to the Kolmogorov equations with coefficients of low regularity

16:15-16:35 **T.V. Salnikova** (online),
Steady states of the Vlasov equation with a Lennard-Jones type potential

Coffee break

17:00-17:30 **P.N. Vabishchevich**,
Some methods for solving equations with an operator function

17:35-18:05 **S.I. Repin**,
Error identities for a class of parabolic initial boundary value problems

18:10-18:40 **M.A. Olshanskii** (online),
Modeling and numerical analysis of surface fluid

Thursday, July 21

- 09:35-09:55 **V. Ambrosio** (online),
Fractional periodic problems with critical growth
- 10:00-10:40 **G.R. Mingione** (online),
Hopf, Caccioppoli and Schauder, reloaded
- 10:45-11:15 **A. Cianchi** (online),
Second-order estimates for solutions to nonlinear elliptic problems

Coffee break

- 11:45-12:15 **R. Musina** (online),
Higher order Hardy-type inequalities and higher order fractional Laplacians
- 12:20-12:50 **Ya.Sh. Ilyasov**,
The nonlinear generalized Rayleigh quotient method and its applications

Lunch

- 15:00-15:20 **L.A.M. Fattorusso** (online),
Boundedness of the solutions to a kind of parabolic systems
- 15:25-15:45 **O.N. Khatuntseva** (online),
Generalized analytical solution of the problem of determining the universal profile of the turbulent flow of an incompressible fluid
- 15:50-16:10 **E.A. Alfano** (online),
Dirichlet problem for noncoercive nonlinear elliptic equations in unbounded domains
- 16:15-16:35 **E.A. Kopylova** (online),
Klein-Gordon equation with mean field interaction. Orbital and asymptotic stability of solitary waves

Coffee break

- 17:00-18:30 **Poster Session:**
A. Chechkina, K. Darovskaya, O. Gavrilova, E. Izhberdeeva, E. Kalita, O. Kitaeva (online), **S. Kolonitskii, V. Korneev, F. Mironenko, A. Novikova, K. Perevozchikova** (online), **A. Potyomkina, N. Rastegaev, D. Shafranov, A. Shavlukov, V.K. Shukla** (online), **A. Shuklina, A. Sio** (online), **M. Turov, N. Ustinov** (online)

- 19:30 **Conference Dinner**

Friday, July 22

- 10:00-10:40 **A. Figalli** (online),
Generic regularity in obstacle problems
- 10:45-11:25 **I. Shafrir** (online),
Minimizers of a variational problem for nematic liquid crystals with variable degree of orientation in two dimensions
- Coffee break**
- 11:55-12:15 **Ya.A. Butko** (online),
Subordination principle, stochastic solutions and Feynman-Kac formulae for generalized time fractional evolution equations
- 12:20-12:40 **V.E. Bobkov**,
Estimates on the spectral interval of validity of the anti-maximum principle
- 12:45-13:15 **A.L. Piatnitski**,
Variational approach in homogenization of convolution type operators
- 13:20-13:30 **Closing**

Lunch