PROGRAM

Wednesday, October 17

10:55-12:55 **Registration**

Chair: Igor Skrypnik

Opening of the Workshop

13:00-13:20   Nataliya Vasylyeva

Mathematician B.V. Bazaliy

13:20-14:10   Yeugen Khruslov

Homogenized models of the dynamics of suspensions

14:10-14:40   Roman Taranets

The spreading of surfactant on thin film

14:40-15:40   **Coffee Break**

Chair: Dmytro Shepelsky

15:40-16:30   Taras Mel'nyk

Asymptotic analysis of semilinear parabolic problems in thin star-shaped junctions

16:30-17:00   Yulia Gorban

On weak solutions to nonlinear elliptic degenerate anisotropic equations with L^1 -data

17:00-17:30   Anatolii Markovskii

On identifying the formation pressure and filtration coefficients of two gas-bearing formations

18:00-20:00   **Welcome Party**

Thursday, October 18

Chair: Yeugen Khruslov

09:00-09:50   Anatolii Kochubei

Parabolic equations with p-adic spatial variables

09:50-10:20 Nataliya Vasylyeva

Moving boundary problems governed by anomalous diffusion in multidimensional domains

10:20-10:40   Mykola Krasnoshchok

Fractional diffusion in domains with fixed and free boundaries

10:40-11:00   **Coffee Break**

Chair: Anatolii Kochubei

11:00-11:50   Dmytro Shepelsky

The focusing NLS equation with step-like oscillatory backgrounds: scenarios of long-time asymptotics

11:50-12:20   Mykhailo Voitovych

Local boundedness of solutions of some high-order quasilinear elliptic equations in limit cases

12:20-12:50   Yevgeniia Yevgenieva

Large solutions of quasilinear parabolic equations of diffusion — nonlinear degenerate absorption type

12:50-14:00   **Lunch**

Chair: Taras Mel'nyk

14:00-14:50   Igor Skrypnik

Riesz potentials and pointwise estimates of solutions for anisotropic porous medium equation

14:50-15:20   Kateryna Buryachenko

Harnack's inequality for double-phase parabolic equations

15:20-15:50   Mariia Shan

Removable singularities for anisotropic parabolic equations

15:50-16:10   **Coffee Break**

Chair: Nataliya Vasylyeva

16:10-16:40   Vitalii Overko

The influence of non-Newtonian effects on features of blood flow in the left ventricle

16:40-17:10   Yeugen Sevost'yanov

On Sokhotski-Casoratti-Weierstrass theorem on metric spaces

17:10   **Closing of the Workshop**