Conference Programme

Monday, May 30
10:00 - 12:30 Registration
13:00 - 14:00 Lunch
14:00 - 14:15 Opening of the Conference
14:15 - 14:55 J. Janno On some inverse problems that use nonlocality of fractional derivatives
14:55 - 15:35 F. Sadyrbaev Remarkable three-dimensional autonomous systems
15:35 - 16:00 Coffee break
16:00 - 16:30 A. Laurinčikas Approximation by a Dirichlet series connected to the periodic Hurwitz zeta-function
16:30 - 17:00 G. Panasenko Asymptotic analysis of non-Newtonian flows in thin tube structures
17:00 - 17:30 D. Šiaučiūnas On joint universality of Dirichlet L-functions
17:30 - 17:50 T. Leonaviciene Adsorption process and water quality control
18:30 - 20:00 Welcome party

Tuesday, May 31
9:30 - 10:10 M. Ragulskis Spatio-temporal divergence in the fractional logistic map of matrices
10:10 - 10:50 A. Kolyshkin Stability of convective flows caused by internal heating
10:50 - 11:20 A. Štikonas Asymptotic analysis of Sturm-Liouville problem with Dirichlet and nonlocal two-point boundary conditions
11:20 - 11:50 Coffee break
11:50 - 12:20 K. Pupalaigė On the spectrum structure for one difference eigenvalue problem with nonlocal boundary conditions
12:20 - 12:50 O. Štikonienė Alternating direction method for Poisson equation with nonlocal conditions
13:00 - 14:00 Lunch
14:00 - 14:30 R. Macaitienė Some aspects on the value-distribution of the Epstein zeta-function
14:30 - 15:00 V. Garbaliauskienė On the functional independence of the Riemann zeta-function
15:00 - 15:30 M. Vikerpuur Spline collocation for fractional integro-differential equations

15:30 - 16:00 L. Leja
Study of two combined heat, mass transfer and reaction models with applications to biomass pellet combustion

16:00 - 16:30 Coffee break

16:30 - 17:00 S. Sadique
A single far - field pattern determines the shape of scattering screens

17:00 - 17:30 I. Dapšys
Techniques to improve precision of neural network-based biosensors under effect of noise

18:00 -- 19:00 Dinner

Wednesday, June 1

9:30 - 10:10 K. Pileckas
Existence of non-stationary Poiseuille type solutions under minimal regularity assumptions

10:10 - 10:40 A. Gritsans
On a nonlinear boundary value problem arising in heat transfer

10:40 - 11:10 M. Radziunas
Modeling and simulation of semiconductor lasers for high emission power applications

11:10 - 11:40 Coffee break

11:40 - 12:10 I. Yermachenko
Floquet multipliers of periodic solutions for a two degree of freedom Hamiltonian system

12:10 - 12:40 S. Urboniene
Fučik spectrum for the problem with two-point nonlocal boundary condition

12:40 - 13:10 N. Sergejeva
The Fučik spectrum for the second order differential operators with the Robin and integral boundary conditions

13:10 - 14:15 Lunch

14:45 - 17:45 Excursion

19:00 - 21:30 Conference Dinner

Thursday, June 2

10:00 - 10:30 V. Starikovicius
Artificial neural networks for solving ordinary and partial differential equations

10:30 - 11:00 A. Bugajev
The role of inaccurate assumptions for churn prediction in telecommunications

11:00 - 11:30 N. Kosareva
Voting-KEMIRA method for determining criteria priority and weights in solving multi-attribute decision making problems

11:30 - 12:00 O. Suboc
Parallel 3D ADI scheme for hybrid dimension model of heat conduction problem

12:00 - 12:20 Closing Session

12:30 - 13:30 Lunch