

Conference Programme

Monday, May 26	
10:30 - 12:30	Registration
13:00 - 14:00	Lunch
14:00 - 14:10	Opening of the Conference
14:10 - 14:40	<i>F. Sadyrbaev.</i> Recent progress in the study of Wilson - Cowan system
14:40 - 15:10	<i>N. Kopteva.</i> Error analysis for higher-order methods for subdiffusion equations on quasi-graded meshes
15:10 - 15:40	<i>M. Radziunas.</i> Modeling and analysis of nonlinear dynamics in semiconductor lasers
15:40 - 16:00	Coffee break
16:00 - 16:30	<i>G. Panasenko.</i> Approximation of eigenvalues of the diffusion operator in domains containing thin tubes by asymptotic partial domain decomposition
16:30 - 17:00	<i>R. Čiegis.</i> On the stability and efficiency of high-order parallel algorithms for 3D wave problems
17:00 - 17:30	<i>M. Ragulskis.</i> Finite-time stabilization of the fixed points of the fractional difference maps
18:00 - 19:30	Welcome party
Tuesday, May 27	
9:00 - 9:30	<i>I. Perfilieva.</i> A fuzzy transform approach to weak solutions in singular Volterra equations
9:30 - 10:00	<i>M. Vikerpuur.</i> Numerical approximation for systems of fractional differential equations – a central part interpolation approach
10:00 - 10:30	<i>A. Laurinčikas.</i> On equivalents of the Riemann hypothesis
10:30 - 11:00	Coffee break
11:00 - 11:30	<i>A. Štikonas.</i> M-matrices and discrete problems with nonlocal boundary conditions
11:30 - 12:00	<i>O. Štikonienė.</i> Finite-difference scheme for two-dimensional Poisson equation with the multiple integral boundary condition
12:00 - 12:30	<i>W. Arriagada.</i> The Read-Bajraktarević functional on a Hardy - Orlicz space
12:30 - 13:00	<i>S. Asmuss.</i> On a fuzzy logic based approach to the value of information in optimal control under uncertainty
13:00 - 14:00	Lunch
14:00 - 14:30	<i>R. Kozera.</i> Curve estimation by a natural spline based on reduced data
14:30 - 15:00	<i>S. Atslega.</i> Multiple coexisting oscillators
15:00 - 15:30	<i>N. Öktem.</i> Modelling MHD flow in a thick-walled pipe subject to oriented magnetic fields
15:30 - 16:00	Coffee break
16:00 - 16:30	<i>R. Macaitienė.</i> A new joint limit theorem for Epstein zeta-functions

16:30 - 17:00	D. Šiaučiūnas. On approximation by periodic zeta-functions in short intervals
17:00 - 17:30	J. Bajārs. Structure-preserving learning of dynamical systems with dimensionality reduction
18:00 - 19:00	Dinner

Wednesday, May 28

9:00 - 9:30	A. Prokopenya. On stability of periodic motion of the swinging Atwood machine
9:30 - 10:00	M. Marinaki. On multi-scale modelling and decomposition techniques for auto-ignition in biomass flow systems
10:00 - 10:30	V. Starikovičius. Advances in physics-informed neural networks
10:30 - 11:00	Coffee break
11:00 - 11:30	R. Čiupaila. Error estimation of the difference scheme for elliptic equation with an integral boundary condition
11:30 - 12:00	K. Pupalaigė. On stability and convergence of a difference scheme for 2D nonlinear parabolic equation with nonlocal boundary conditions
12:00 - 12:30	K. Bingelė. Discrete Sturm - Liouville problem with two-point nonlocal boundary condition and natural approximation of a derivative
12:30 - 13:30	Lunch
14:30 - 17:00	Excursion
18:00 - 21:00	Conference Dinner

Thursday, May 29

10:00 - 10:30	I. Telksnienė. Operator-based approach for solving Caputo fractional differential equations
10:30 - 11:00	A. Bugajev. From churn insights to suspicion-based fraud detection in telecom
11:00 - 11:30	Coffee break
11:30 - 12:00	M. Syravatnikau. Virtual machine placement balancing in cloud computing with resource overbooking
12:00 - 12:30	U. Orinaitė. Quantifying memory-induced chaos: complexity, Wada index, and Arnold tongues
12:45 - 13:00	Closing Session
13:00 - 14:00	Lunch