Conference Program NANMAT 2026

Wednesday		11 November 2026	ZOOM LINK		
RO Time	**EST**	**Speaker**	**Title**	**Session**	**Affiliation**
14:50		*Conference opening*			
15:00		**Victor Nistor**	A (fast) fundamental solution method to solve parabolic equations	**Numerical Methods for PDEs**	Université de Lorraine, Metz
15:20		**Liviu Ignat**	Approximations of the best constants		Simion Stoilow Institute of Mathematics, Romanian Academy
15:40		**Radu Cîmpeanu**	Data-driven equation discovery for nonlinear liquid film flows		University of Warwick
16:00		**Călin-Ioan Gheorghiu**	The flow of thin films driven by the competing effects of a surface tension gradient and gravity. Analytical continuation of solutions		Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy
16:20	09:20	**Cătălin Trenchea**	Second-order in time decoupling for nonlinear heat transfer		University of Pittsburgh
16:40	09:40	**Traian Iliescu**	A Two-Level Galerkin Reduced Order Model for Nonlinear Problems		Virginia Tech
17:00		*Coffee break (20 min)*			
17:20		**Ștefania Petra**	Riemannian Multilevel Optimization	**Optimization, Iterative Methods**	Heidelberg University
17:40		**Titus Pința**	SQP without QP		University of Duisburg-Essen
18:00		**Sorin-Mihai Grad**	Strongly quasiconvex functions: what we know (so far)		University of Duisburg-Essen
18:20		**Emil Cătinaș**	Comparing the speed of convergent sequences		Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy
18:40		*End of day*			

Thursday		12 November 2026	ZOOM LINK		
RO Time	**EST**	**Speaker**	**Title**	**Session**	**Affiliation**
15:00		**Octavian Agratini**	Approximation properties of a class of linear operators involving Laguerre-type weights	**Approximation Theory**	Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy
15:20		**Andra Malina**	On higher-order weighted Stancu–Schurer operators: a real approach (I)		Tiberiu Popoviciu Institute of Numerical Analysis and Babeș-Bolyai University
15:40		**Eduard Grigoriciuc**	On higher-order weighted Stancu–Schurer operators: a complex approach (II)		Tiberiu Popoviciu Institute of Numerical Analysis and Babeș-Bolyai University
16:00		**Maria Crăciun**	Investigation of quasi-periodic variability in astronomical time series through Enhanced Self-Correlation method		Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy
16:20		**Diana Otrocol**	Existence results for systems of abstract evolution equations with nonlocal initial conditions		Tiberiu Popoviciu Institute of Numerical Analysis and Technical University Cluj-Napoca
16:40		*Coffee break (20 min)*			
17:00		**Cătălin Lefter**	On the unique continuation at initial time for parabolic equations	**PDEs, Inverse Problems**	Al.I.Cuza University and Octav Mayer Institute of Mathematics, Romanian Academy, Iași
17:20		**Renata Bunoiu**	Stokes flow with injection in a thin T-like shaped structure		Université de Lorraine, Metz
17:40		**Beniamin Bogoșel**	Isoperimetric problems for extremal diameter graphs in 3D: theoretical and numerical aspects		Aurel Vlaicu University of Arad
18:00		**Andrei Stan**	Componentwise localization of positive periodic solutions for a general Bazykin-type system		Tiberiu Popoviciu Institute of Numerical Analysis and Babeș-Bolyai University
18:20		**Rareș Răhăian**	The Elliptic Cauchy Problem with Applications in Electrocardiographic Imaging		Tiberiu Popoviciu Institute of Numerical Analysis and EPFL
18:40	11:40	**Alexandru Tămășan**	Reconstruction of the conformal factor in a two dimensional anisotropic current density impedance imaging problem		University of Central Florida, USA
19:00		*End of day*			

Friday		13 November 2026	ZOOM LINK		
RO Time	**EST**	**Speaker**	**Title**	**Session**	**Affiliation**
15:00		**Victorița Dolean**	Spectral Bias Reduction in Local Gated ReLU Architectures	**Scientific Machine Learning**	Eindhoven University of Technology
15:20		**Maria Oprea**	Stochastic Gradient Descent on the Space of Distributions		Institute of Science and Technology Austria
15:40		**Gabriel Turinici**	Feature Selective Model Collapse in Stable Diffusion Generative Models		Université Paris Dauphine - PSL
16:00		**Darian Onchiș**	Ψ -Resilience: Model-Free Feature Importance from 1D Topological Signals		West University of Timișoara
16:20		*Coffee break (20 min)*			
16:40	09:40	**Constantin Băcuță**	Oscillatory Behavior in Convection-Diffusion Discretization	**Numerical Methods for PDEs**	University of Delaware
17:00		**Imre Boros**	Numerical diffusion in classical and neural solvers for advection-dominated transport problems		Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy
17:20		**Nicolae Suciu**	Chebfun L-schemes for Richards equation		Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy
17:40		**Ștefan-Gicu Cruceanu**	ASTERIX: software for water flow and soil erosion on vegetated surfaces		Institute of Mathematical Statistics and Applied Mathematics, Romanian Academy
18:00		**Mihai Bucătaru**	Optimal finite element error estimates and Newton convergence for a quasilinear elliptic problem with mixed boundary conditions		University of Bucharest and ISMMA, Romanian Academy
18:20		*Closing*			