		Conference Program NANMAT 2025	
		<u> </u>	
Monday	3 November 2025	ZOOM LINK	
Time (RO)	Speaker	Title	Section
14:50	2.0	Conference opening	DDE 01 1 11 M 11 1
15:00	Dan Crișan	Modeling geophysical fluid dynamics models with fractional Brownian motion	PDEs, Stochastic Methods
15:20	Hannelore Lisei	Approximation of nonlinear stochastic Schrödinger equations	
15:40	Adrian Muntean	A hybrid evolution model for preservation of cultural heritage: stochastic particles in a random continuum environment	
16:00	Break		
16:20	Maria Oprea	Learning with measures: The stochastic inverse problem	Scientific Machine Learning
16:40	Edgar Dobriban	How to use synthetic data for improved statistical inference?	
17:00	Gabriel Turinici	Regularized policy gradient algorithm for the Multi Armed Bandit	
Tuesday	4 November 2025	ZOOMUNIK	
Tuesday	Sorin Grad	ZOOM LINK	Optimization, PDEs
14:00		A fresh look at algorithms for solving smooth multiobjective optimization problems	Optimization, PDEs
14:20	Andrei Stan, Radu Precup	Nash equilibria of fractional functionals via a Dinkelbach–Ekeland type approach	
14:40	Beniamin Bogoșel	Optimization of space-time periodic eigenvalues	
15:00	Cornel Murea	Topology optimization problems for clamped plates	
15:20	Break	Debught therefore asharmon for Darry and Darry French store flow in a second in	Honotine Marthards
15:40	Florin Radu	Robust iterative schemes for Darcy and Darcy-Forchheimer flow in porous media	Iterative Methods
16:00	Nicolae Suciu	Three-dimensional explicit L scheme for Richards equation	
16:20	Emil Cătinaș	Computing the functions of matrices	
16:40	Break		
17:00	Octavian Agratini, Maria Crăciun	Generalizations of approximation processes based on squared binomial polynomial bases functions	Approximation Theory
17:20	Andra Malina, Teodora Cătinaș	Methods for interpolating scattered data	
17:40	Eduard Grigoriciuc	A Stancu-Schurer type extension of higher order of the Cheney-Sharma operators	
18:00	Diana Otrocol	Best Ulam constant of a partial differential operator	
Wednesday	5 November 2025	ZOOM LINK	
14:00	Marina Vidraşcu	Validation of a mathematical model of arterial wall mechanics against experimental results	Mathematical Modeling
14:00	Radu Cîmpeanu	Nonlinear control of falling liquid films	Wattiernatical Wodeling
14:40		• •	
15:00	Maria Neuss-Radu	Effective interface laws of Navier-slip-type for Stokes flow through a thin elastic porous layer Water soil erosion. Numerical methods	
15:20	Stelian Ion Break	water soil erosion. Numerical metrious	
15:40	Cătălin Trenchea	H1 stability for 2D Navier-Stokes equations	Numerical Methods for PDEs
16:00		· · · · · · · · · · · · · · · · · · ·	Numerical Methods for FDEs
16:20	Daniela Căpăţînă	A posteriori error analysis based on equilibrated flux for a CutFEM interface problem	
	Călin Gheorghiu	Complex singularities of an initial-boundary value problem modelling viscous film flow	
16:40	Break	On Tither a constraint in faults all into Occube and burn	DDE- Inverse Droblems
17:00	Rareş Răhăian	On Tikhonov regularization for the elliptic Cauchy problem	PDEs, Inverse Problems
17:20	Andrei Caţaron	A regularising iterative algorithm for the Cauchy problem in elasticity	
17:40	Mihai Nechita	From conditional stability to optimal approximation for ill-posed elliptic PDEs	
18:00	Andreea Grecu	A Monte Carlo discretization method for nonlinear variational PDEs	
Thursday	6 November 2025	ZOOM LINK	
14:00	Victor Nistor	The method of layer potentials for polygons and domains with cylindrical ends	PDEs, Numerical PDEs
14:20	Iulia Cristian	Mass-conserving solutions of coagulation models	1 DE3, Numerical 1 DE3
14:40	Marius Tucsnak	Relaxation enhancement by controlled incompressible fluid flows	
15:00	Sebastian Anita	Systems of first order hyperbolic equations. A semigroup approach	<u> </u>
15:20	Nicolae Cîndea	Some remarks on high-order finite differences schemes. Consequences on the observability of the wave equation	
15:20	Nicolae Cindea Break	Some remarks on high-order limite differences schemes. Consequences on the observability of the wave equation	
		Local feature filtering for scalable and well conditioned demain decomposed random feature methods	Data Driven Methods for DDEs
16:00	Victorița Dolean	Local feature filtering for scalable and well-conditioned domain-decomposed random feature methods	Data-Driven Methods for PDEs
16:20	Traian Iliescu	Data-driven operators for reduced order model stabilization	
16:40	Ionuț Farcaș	Real-time prediction of plasma instabilities with sparse-grid-accelerated optimized dynamic mode decomposition	
17:00	Break	Concepting agricultural forms	Colombific Marking Large
17:20	Ştefania Petra	Generative assignment flows	Scientific Machine Learning
17:40	Mircea Petrache	Optimization and separability problems in equivariant deep learning	-
18:00	Sorin Mitran Radu Bălan	Adaptive information refinement for active media	-
10:00		Quantitative bounds for sorting based permutation invariant embeddings	
18:20		· ·	Inverse Problems PDF-
18:20 18:40 19:00	Alexandru Tămăşan	Reconstruction of the conformal factor in a two dimensional anisotropic current density impedance imaging problem Conference closure	Inverse Problems, PDEs