CURRENT TRENDS IN APPLIED MATHEMATICS - 20 NOVEMBER 2021

PROGRAM - EAST EUROPEAN TIME

- **9:50-10:00:** Opening of the Workshop

MORNING SESSION

- **10:00-10:30: Gengsheng Wang,** *Characterization on complete stabilization*
- **10:30-11:00: Petru Jebelean,** *Multiplicity of solutions to some systems with relativistic operator*
- **11:00-11:30: Antonio Gaudiello,** *Limit models for thin heterogeneous structures with high contrast*

- **11:30-11:45: BREAK**

- **11:45-12:15: Gabriel Turinici,** *Measure compression in generative and unsupervised learning*
- **12:15-12:45: Mimmo Iannelli,** *Following the Italian COVID-19 epidemics through a simple functional model*
- **12:45-13:15: Delia Ionescu-Kruse,** *Exact solutions for geophysical flows and their instabilities*

AFTERNOON SESSION

- **14:30-15:00: Radu Precup,** *Radial solutions for Neumann problems with ϕ-Laplacian*
- **15:00-15:30: Mircea Bîrsan,** *Using the dislocation density tensor to investigate the equilibrium of Cosserat elastic shells*
- **15:30-16:00: Cristian Cazacu,** *Sharp first and second order Caffarelli-Kohn-Nirenberg type inequalities*

- **16:00-16:15: BREAK**

- **16:15-16:45: Adrian Zălinescu,** *Nonlinear Feynman-Kac formula in a non-Markovian setting*
- **16:45-17:15: Silvia Romanelli,** *Evolution equations and financial mathematics: the case of a generalized Cox-Ingersoll-Ross problem*
