



**“SIMION STOILOW” INSTITUTE OF MATHEMATICS  
OF THE ROMANIAN ACADEMY**

## ***Workshop Happy PDEs***

***December 13, 2024, IMAR, "Ciprian Foiaş" Hall, eighth floor,  
10:00 - 18:00***

10:00 Claudiu Mîndrilă, BCAM, Bilbao, Spain

*Existence of solutions for multilayered fluid structure interactions in 3D*

10:30 Andrei Gasparovici, UBB, Cluj

*Mixed Dirichlet-Robin problem for coupled anisotropic Navier-Stokes-type systems*

11:00 Coffee Break

11:30 Nicuşor Costea, UPB, Bucharest

*Differential inclusions with Orlicz growth and mixed boundary conditions*

12:00 Mihai Radu Adrian, UPB, Bucharest

*A residual constraint tightening decomposition method for mixed integer and linear programs*

12:30 Anisia Teca, Univ. Craiova

*On a Rayleigh-type quotient involving a variable exponent which depends on test functions*

13:00 Lunch

15:00 Dragoş Manea, IMAR, Bucharest

*Atmospherical frontogenesis in vortex liquid mixing and optimal placement*

15:30 Lahcen El Bourkhis, UPB, Bucharest

*Complexity of linearized perturbed augmented Lagrangian for nonsmooth optimization with nonlinear equality constraints*

16:00 Coffee Break

16:30 Teodor Rugina, UB&ISMMA, Bucharest

*Removable singularities for some singular elliptic equations*

17:00 Radu Ordean, UB, Bucharest

*A Hardy Henon equation with sublinear absorption*

17:30 Andrei Grecu, Univ. Craiova

*The isolation of the first eigenvalue of a family of eigenvalue problems involving the Finsler  $p$ -Laplace operator and a nonlocal term*

In the framework of the project ROSUA-2024-0001