Workshop for Young Researchers in Mathematics

12th edition, May 18-19, 2023

Analysis, PDEs & Applied Mathematics
- Schedule –

All talks will be held in: Sala de Conferinţe a Facultăţii de Matematică.

Thursday, May 18

9:45	Welcome to WYRM2023! Opening remarks by Prof. Dr. Razvan Litcanu in Myller Amphitheater
10:00-10:40	**Maria Farcaseanu**, ISMMA *Solutions for nonlinear elliptic equations with singular potentials*
10:40-11:10	Morning Coffee Break
11:10-11:50	**Dan Paraschiv**, Universitat de Barcelona *Achievable connectivities of Fatou components for a family of rational maps*
11:50-12:30	**Sándor Kájantó**, Babes-Bolyai University *On the flag and S-curvatures on the interpolated Poincaré metric*
12:30-14:30	Lunch Break
14:30-15:10	**Cristian Cazacu**, University of Bucharest & ISMMA *Stability results for uncertainty principles*
15:10-15:50	**Bogdan Raita**, Scuola Normale Superiore di Pisa *Gaussian Processes for Systems of Linear PDEs with Constant Coefficients*
15:50-16:20	Afternoon Coffee Break
16:20-17:00	**Teodor Rugina**, University of Bucharest *H^∞-control problem for parabolic systems with singular inverse-square potential and convection*
17:00-17:40	**Iulia Plesca**, Alexandru Ioan Cuza University *Algebraic differential operators*

Workshop for Young Researchers in Mathematics

12th edition, May 18-19, 2023

Analysis, PDEs & Applied Mathematics
- Schedule –

All talks will be held in: Sala de Conferinţe a Facultăţii de Matematică.

Friday, May 19

9:20-10:00	**Mihai Bucataru**, ISMMA & University of Bucharest *Cauchy inverse problem with non-smooth boundary data in steady-state anisotropic heat conduction*
10:00-10:40	**Andrei Gasparovici**, Babes-Bolyai University *Dirichlet problems for the anisotropic Darcy-Forchheimer-Brinkman system and related models*
10:40-11:10	Morning Coffee Break
11:10-11:50	**Andrei Albisoru**, Babes-Bolyai University *On some Robin-transmission problems for the Brinkman system and a Navier-Stokes type system*
11:50-12:30	**Stefana Anita**, IMOM *Optimal control problem for a nonlinear Fokker-Planck equation via inputs with nonlocal action*
12:40	Group Photo – @ main entrance
12:40-14:30	Lunch Break
14:30-15:10	**Tudor Vartolomei**, Alexandru Ioan Cuza University *Perturbative Methods and Proper Elements for the Satellite and Space Debris Problem*
15:10-15:40	Afternoon Coffee Break
15:40-16:20	**Claudiu Mindrila**, Charles University, Prague *Time-periodic weak solutions for an incompressible Newtonian fluid interacting with an elastic plate*
16:20-17:00	**Eduard Curca**, Alexandru Ioan Cuza University *Some Bourgain-Brézis type solutions via complex interpolation*