

# IMAR 75

Bucharest, September 27 and 28, 2024

## List of talks

**Viorel Barbu** (Iași): Nonlinear Fokker–Planck flows and McKean–Vlasov stochastic differential equations

**Peter Boyvalenkov** (Sofia): Optimal polarization pairs of codes in the Leech lattice

**Cătălin Lefter**, (Iași): Reaction-diffusion systems: Carleman estimates, unique continuation, controllability and inverse source estimates

**Marius Leordeanu** (Bucharest): Reaching consensus from different perspectives: self-supervised hypergraphs with multiple world interpretations

**Laurențiu Leuștean** (Bucharest): Proof mining in optimization and nonlinear analysis

**Gabriela Marinoschi** (Bucharest): Exponential stabilization of parabolic equations by H-infinity control technique

**Petru Mironescu** (Lyon): Invariants and obstructions in low regularity Sobolev spaces to manifolds. *Dedicated to the memory of Haim Brezis*

**András Némethi** (Budapest): Multiplier ideals of normal surface singularities

**Liviu Ornea** (Bucharest): Special metrics on non-Kaehler manifolds

**Liviu Păunescu** (Bucharest): Permutation and Hilbert-Schmidt stability

**Alexandru Popa** (Bucharest): Moments of quadratic Dirichlet L-functions over function fields

**Ionel Popescu** (Bucharest): From stochastic of boundary problems to numerical and neural networks representation

**Olivier Schiffmann** (Paris): A conjecture on the space of  $GL_n$ -cuspidal functions in the function field case

**Adam Skalski** (Warsaw): Characterising residually finite dimensional  $C^*$ -algebras in dynamical contexts

**Raluca Tănase** (Bucharest): On the dynamics of polynomial automorphisms of  $\mathbb{C}^2$