

PDE3: Recent advances in nonlocal problems and applications

Thursday (09/07) 10:00-11:40

10:00. Sergio Cruz. "Oscillating solutions to the fractional Yamabe problem".

10:25. Leon Happ. "Towards a potential theory for function spaces based on nonlocal gradients".

10:50. Guillermo García-Saéz. "A new class of degenerate fractional elliptic equations with variable diffusivity"

Friday (10/07) 10:00-11:40

10:00. Jorge Ruiz-Cassés. "Gradual smoothing: strong hypercontractivity and logarithmic Sobolev inequalities".

10:25. Niccolò Tassi. "Long-time behaviour and scaling limits for linear kinetic equations without confinement".

10:50. Carlos Fuertes-Morán. "Sharp Boundary Estimates and Harnack Inequalities for Fractional Porous Medium type Equations".

11:15. Javier Cueto. "Nonlocal Gradients meet Optimal Control".