

Schedule: Mini Workshop **Zero-Range and Point-Like Singular Perturbations: For a Spillover to Analysis, PDE and Differential Geometry**

Monday

9:30-9:50 CEST	Opening
9:50 - 10:40 CEST	Luca Fanelli: About Schrodinger and Dirac operator with scaling critical potential
10:50 - 11:40 CEST	Jens Wirth: Laplace and sub-Laplace operators on homogeneous groups and non-commutative Fourier transforms
15:10 - 16:00 CEST	Riccardo Adami: Two-dimensional systems with nonlinear point interactions
16:20 - 17:10 CEST	Filippo Boni: NLS ground states with singularities

Tuesday

9:30-10:20 CEST	Ugo Boscain: Geometric confinement of the curvature laplacian on almost Riemannian manifolds
10:50 - 11:40 CEST	Ivan Beshastnyi: Self-adjoint extensions for the curvature Laplacian on Grushin manifolds
15:00 - 15:50 CEST	Matteo Gallone: The Laplace-Beltrami operator on the Grushin Cylinder
16:00 - 16:50 CEST	Valentina Franceschi: Pointed sub-Laplacians in three dimensions and Hardy inequalities
17:00 - 18:00 CEST	General Discussion (Part I): state of art, open problems

Wednesday

9:00-9:50 CEST	Diego Noja: The NLS equation with a point interaction in two and three dimensions
10:00- 10:50 CEST	Raffaele Scandone: NLS WITH POINT INTERACTIONS: RESULTS AND PERSPECTIVES s
11:00- 11:50 CEST	Ivana Vojnovi'c: Generalised solutions to non--linear Schrodinger equations with singularities

Thursday

9:30-10:20 CEST	Mario Rastrelli : On the squared Laplacian perturbed with singular potential
10:50 - 11:40 CEST	Marilena Ligabo': Boundary conditions, product formulae and classical limit
15:30 -17:00 CEST	General Discussion (Part II): state of art, open problems

Friday

9:30-11:30 CEST	General Discussion (Part II): state of art, open problems
11:30 CEST	Closure