# Analysis Seminar

**Title:** Representation formulae for non-homogeneous differential operators and applications to PDEs

**Speaker:** Marius Ghergu

**Date:** Tue 4th March 2025 at 2:00PM

**Location:** E0.32 (beside Pi restaurant)

**Abstract:** We discuss some representation formulae for distributional solutions of non-homogeneous differential equations with measure data. In our approach we underline the role played by the fundamental solution associated with the differential operators and its asymptotic behavior. Applications to Partial Differential Equations are included. This talk is based on a joint work with Lorenzo D'Ambrosio (University of Bari, Italy).

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