

## SEMINAR ANNOUNCEMENT

On Friday 1<sup>st</sup> April, at 3:00 pm, Dr Pablo Cubides Kovacsics of the Heinrich Heine University Düsseldorf, will give, in *aula A*, a Logic Seminar entitled

### *$t^2$ -stratifications and applications*

**Abstract:** Stratifications are a classical tool to study singularities of real and complex algebraic varieties. Working in a larger field extension equipped with a valuation, I. Halupczok introduced a valuative variant which he called  $t$ -stratifications. He proved their existence and showed how they can be used to recover Whitney stratifications. Together with I. Halupczok, we introduced a strengthening of this notion, which we called  $t^2$ -stratifications, and explored their relation with classical stratifications. In this talk I will give an informal introduction to these new concepts and present some of our main results. If time allows, I will discuss further strengthenings and their relevance.

The proposer

Lorna Gregory