

Speaker : Sergio Estrada (Universidad de Murcia)

Title : Model category structures arising from complete cotorsion pairs

Abstract: In the talk we discuss the interlacing between the so-called complete cotorsion pairs and (exact) model category structures in exact categories.

We will also see that exact model category structures almost always contain a Quillen equivalent Frobenius model category. We illustrate the theory by constructing, among others, the stable homotopy category over an Iwanaga-Gorenstein ring.