



Seminar

## K-Theory, Quadratic Forms and Number Theory

**Title:** Computing Borel's Regulator

**Speaker:** Ruben Sanchez Garcia (Southampton)

**Date:** Wed 30th March 2011 at 3:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** We present an infinite series formula for the Borel regulator evaluated on the odd-dimensional homology of the general linear group of a number field based on Hamida's integral. We also describe a computer algorithm and explain how to construct an input homology class for dimension 3.