



Algebra and Number Theory Seminar

Title: On a p -adic family for the Dth Shintani liftings

Speaker: Daniele Casazza (UCD)

Date: Thu 6th February 2020 at 2:00PM

Location: Seminar Room SCN 1.25

Abstract: The conjecture of Birch and Swinnerton-Dyer relates the arithmetic properties of an elliptic curve to the special value of its associated L-function. Classical results provide an explicit relation between special values and the Fourier coefficient of a half-integral weight modular form. This remarkable connection was utilised by Tunnell in his groundbreaking work on the celebrated Congruent Number Problem. I will report on joint work with Carlos de Vera Piquero (UPC, Barcelona) where we we interpolate some of these key constructions in a p -adic family.

https://maths.ucd.ie/~kazim_b/UCD_ANT_seminar.html