



UCD School of Mathematics and Statistics Colloquium Seminar

Title: Ranks of elliptic curves

Speaker: Professor Vladimir Dokchitser (University College London, UK)

Date: Tue 26th November 2019 at 12:00PM

Location: Seminar Room SCN 1.25

Abstract: I will discuss elliptic curves from the classical number theoretic point of view of trying to solve Diophantine equations. The aim will be both to explain how we think about these creatures and to give an overview of what we can (and sometimes can't) prove about them, and to illustrate it with explicit examples. I will not try to describe the huge modern technical machine that has been developed to study elliptic curves, so most of the results will come as black boxes.