



## Algebra and Number Theory Seminar

**Title:** Genus  $g$  Zhu recursion for vertex operator algebras

**Speaker:** Michael Tuite (Galway)

**Date:** Thu 30th January 2020 at 2:00PM

**Location:** Seminar Room SCN 1.25

**Abstract:** In this talk I will discuss recent progress on describing correlation and partition functions for a vertex operator algebra on a Riemann surface of arbitrary genus  $g$ . For genus  $g \geq 1$  I will describe relationships to the genus  $g$  geometry. This talk is mostly based on recent joint work with Mike Welby.

[https://maths.ucd.ie/~kazim\\_b/UCD\\_ANT\\_seminar.html](https://maths.ucd.ie/~kazim_b/UCD_ANT_seminar.html)