



## Analysis Seminar

**Title:** Harmonic extension from the exterior of a cylinder I

**Speaker:** S. Gardiner

**Date:** Tue 19th November 2019 at 3:00PM

**Location:** Seminar Room SCN 1.25

**Abstract:** Let  $h$  be a harmonic function on an annular cylinder. It was recently shown that, if  $h$  vanishes on the outer cylindrical boundary component, then it has a harmonic extension to a larger annular cylinder formed by radial reflection. This talk will show that a different kind of extension result holds if  $h$  instead vanishes on the inner boundary component.

(This is joint work with Hermann Render.)