

***PDE, COMPLEX ANALYSIS AND
DIFFERENTIAL GEOMETRY SEMINAR***

Guest Speaker: Henrique Gomes
Trinity College, University of Cambridge

Date: Friday, January 11, 2019

Time: 3:00 PM

Location: 258 Hurley Hall

Lecture Title:

Gauge theory and boundaries: a complicated relationship.

Abstract

I argue that we do not understand gauge theory as well as we think we do, when boundaries are present. I will briefly explain the conceptual and technical issues that arise at the boundary. I will then propose a tentative resolution, which requires us to think of theories not in spacetime, but in field-space. The talk is based on work posted at: <https://arxiv.org/abs/1808.02074>