Analysis Seminar

Title: Eigenvalues and Best Sobolev Constants of Moving Domains

Speaker: J. Ratzkin (Cape Town
UCC

Date: Tue 2nd February 2016 at 4:15PM

Location:

Abstract: Let D be a bounded domain in Euclidean space, and suppose its bound-arymoves outward. It follows from definitions that the fundamental frequencyof D is a nonincreasing function of time. I will present some estimates ofthis rate of decrease, and characterize the case of equality. This isjoint work with Tom Carroll of the University of Cork and Moustapha Fallof AIMS Senegal.