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## Analysis Seminar

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**J. Ratzkin (Cape Town UCC**

will speak on

**Eigenvalues and Best Sobolev Constants of Moving Domains**

Tue 2nd February 2016 at 4:15PM

Location:

Let  $D$  be a bounded domain in Euclidean space, and suppose its boundary moves outward. It follows from definitions that the fundamental frequency of  $D$  is a nonincreasing function of time. I will present some estimates of this rate of decrease, and characterize the case of equality. This is joint work with Tom Carroll of the University of Cork and Moustapha Fall of AIMS Senegal.

This talk is part of the **Analysis** series. For more, see  
<https://maths.ucd.ie/seminars>