



## Analysis Seminar

**Title:** Elementary operators—still not elementary?

**Speaker:** M. Mathieu (QUB)

**Date:** Tue 5th April 2016 at 3:00PM

**Location:**

**Abstract:** Many properties of elementary operators on Banach algebras have been studied extensively by a large number of authors over several decades but still they defy a full structural understanding maybe the reason being that they appear naturally in many guises in many situations. I shall report on recent work with Nadia Boudi (2015) and my latest PhD student Matthew Young (2015/16) in which we try to understand when elementary operators are spectrally bounded or spectrally isometric. As so often, definitive results are only achieved for elementary operators of small length.