

Tuesday, September 4<sup>th</sup>, 16:00

**Jonathan Hickman**

University of St Andrews (United Kingdom)

## FOURIER RESTRICTION IN HIGH DIMENSIONS

I will discuss some recent joint work with K. Rogers on the Fourier restriction problem in which we improve the known range of estimates in high dimensional cases. The proof relies on a recent geometric result of Katz--Rogers, which is in turn based on some deep results from algebraic geometry.