



## Mathematics and CS Seminar

# Rational points, rational curves and the circle method

**Tim Browning (U of Bristol)**

**Host: Tamas Hausel**

The study of the arithmetic and geometry of smooth hypersurfaces is both very old and very challenging. Counting methods from analytic number theory (the circle method) have been extraordinarily effective at describing the set of rational points on hypersurfaces. The main goal of this talk is to show how versions of these methods can also be pushed to answer purely geometric questions about the space of degree  $d$  rational curves contained on them.

**Thursday, January 11, 2018 09:00am - 10:00am**

IST Austria Campus Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.