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## K-Theory, Quadratic Forms and Number Theory Seminar

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**Dr. Henri Johnston (Cambridge)**

will speak on

**A non-abelian Stickelberger theorem**

Wed 14th April 2010 at 4:00PM

Location: Mathematical Sciences Seminar Room

Let  $L/k$  be a finite Galois extension of number fields with Galois group  $G$  (not necessarily abelian). For every odd prime  $p$  satisfying certain mild technical hypotheses, we use values of Artin  $L$ -functions to construct an element in the centre of the group ring  $Z_{(p)}[G]$  that annihilates the  $p$ -part of the class group of  $L$ . This is joint work with David Burns (King's College London).

This talk is part of the **K-Theory, Quadratic Forms and Number Theory** series. For more, see <https://maths.ucd.ie/seminars>