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K-Theory, Quadratic Forms and Number Theory Seminar

Dr. Brundaban Sahu (UCD)

will speak on

**Rankin-Cohen brackets and van der Pol-type identities for
Ramanujan's tau function**

Wed 4th February 2009 at 4:00PM

Location: Mathematical Sciences Seminar Room

We use Rankin-Cohen brackets for modular forms and quasimodular forms to give a different proof of results obtained by D. Lanphier and D. Niebur on van der Pol-type identities for Ramanujan's tau function. As a consequence, we obtain convolution sums and congruence relations involving divisor functions.

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