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**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
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Applied and Computational Mathematics Seminar

Daive Batic (Uniandes, Bogota)

will speak on

**Maximal extension of the noncommutative geometry inspired
Schwarzschild metric.**

Thu 28th May 2009 at 2:00PM

Location: CASL Seminar Room - Belfield Office Park

We derive a transformation of the noncommutative geometry inspired Schwarzschild solution into new coordinates such that the apparent singularities of the metric are removed. Moreover, we give the maximal singularity-free extension for the metric under consideration which turns out to describe an infinite lattice of asymptotically flat universes connected by black hole tunnels. This is a joint work with Ivan Arraut (Uniandes), Piero Nicolini (University of Trieste) and Marek Nowakowski (Uniandes).

This talk is part of the **Applied and Computational Mathematics** series. For more, see
<https://maths.ucd.ie/seminars>