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**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
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Email seminars@maths.ucd.ie
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Algebra and Number Theory Seminar

Rod Gow (UCD)

will speak on

Constant rank subspaces of matrices I

Mon 15th September 2008 at 4:00PM

Location: Mathematical Sciences Seminar Room

This will be a survey of questions relating to subspaces of $n \times n$ matrices all of whose non-zero elements have the same rank. We will describe known results bounding the dimensions of such subspaces and give some constructions using field-theoretic techniques. We will also discuss the group of equivalences of certain of these subspaces.

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