



**UCD School of
Mathematics and Statistics**

University College Dublin
Belfield, Dublin 4, Ireland

Tel +353 1 716 2580
Fax +353 1 716 1196

**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
Belfield, Baile Átha Cliath 4, Éire

Email seminars@maths.ucd.ie
Web maths.ucd.ie/seminars

K-Theory, Quadratic Forms and Number Theory Seminar

Dr. Jesús Guillera (Universidad de Zaragoza)

will speak on

Ramanujan-like series and String Theory

Wed 23rd February 2011 at 3:00PM

Location: Mathematical Sciences Seminar Room

Beginning in 2002 I have discovered formulas for $1/\pi^2$ which are similar to Ramanujan-type series for $1/\pi$ and I have proved some of them by the WZ-method. In this talk I will show how to find this kind of series by solving certain equations for some special rational values of a parameter. Curiously, our equations involve functions which are well known to Superstring physicists.

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