



**Department of Mathematics, Statistics and Computer Science
St. Francis Xavier University
Presents**

Smooth Projective Planes and Symplectic Topology

by

Dr. Benjamin McKay
University College Cork
Cork, Ireland

Friday, April 24th, 2009 @ 10:00am in Annex 23a

Renaissance artists invented projective geometry (a form of applied mathematics). Hilbert axiomatized it. Kolmogorov and Freudenthal asked for a classification of the smooth projective planes. I solved this problem recently, using Taubes's work on Seiberg-Witten invariants, arising from string theory.

Refreshments will be served before the talk in AX24A