

# DIFFERENTIAL GEOMETRY/PDE SEMINAR

FRIDAY, APRIL 27, 2007

PADELORD C-36

2:30–3:20PM

D-branes on Poisson varieties

**Marco Gualtieri**

(MIT)

I will describe how the study of generalized complex manifolds leads to the notion of D-branes on Poisson varieties, and how these are subsequently described by generalized Kahler geometry. I will also outline the relation between these insights and the study of noncommutative algebraic varieties, specifically rational surfaces.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, [www.math.washington.edu](http://www.math.washington.edu), follow the link **Seminars, Colloquia, and Conferences**).

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