

**PHILADELPHIA AREA
GEOMETRY–TOPOLOGY SEMINAR**

supported by Bryn Mawr, Haverford, and Temple

Joan Licata

Stanford University

will speak on

Knot theory and contact lens spaces

ABSTRACT: In this talk I'll introduce an invariant for Legendrian knots in lens spaces equipped with the universal tight contact structure. This invariant takes the form of a differential graded algebra and is closely related to Sabloff's invariant for Legendrian knots in the standard tight three-sphere. As partial motivation, I'll explain the relationship between the knot theory of contact lens spaces and the Berge Conjecture.

TUESDAY, 15 SEPTEMBER 2009

LECTURE AT 5:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:00–5:00 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS