

TEMPLE **U**NIVERSITY **G**EOMETRY **F**ESTIVAL

Tuesday, March 24, 2009

Second talk (3:15 PM)

Tao Li (Boston College)

will speak on

**A quadratic bound on the number of
boundary slopes of essential surfaces**

ABSTRACT: We show that, given any knot manifold, the number of boundary slopes of immersed essential surfaces with genus at most g is bounded by a quadratic function of g . This was previously known for hyperbolic manifolds. We prove the general case.

TUESDAY, 24 MARCH 2009

LECTURES AT 2:00, 3:15, 4:30 PM

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

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS