

**COLLOQUIUM
UNIVERSITY OF PITTSBURGH
FRIDAY, NOVEMBER 15, 2013**

704 THACKERAY HALL

3:30 P.M.

**BRUCE KLEINER
COURANT INSTITUTE
NEW YORK UNIVERSITY
MEAN CURVATURE FLOW**

ABSTRACT: A mean curvature flow is an evolving submanifold M_t whose velocity is equal to its mean curvature. Mean curvature flow is in some respects the most natural evolution equation for a moving submanifold: it is the gradient flow of the area functional, as well as the analog of the heat equation for submanifolds. The lecture will survey mean curvature flow for a general audience.

**Refreshments served at 3:00 p.m.
in the Math Dept. COMMON ROOM, Thackeray 705**