

**COLLOQUIUM
UNIVERSITY OF PITTSBURGH**

FRIDAY, JANUARY 10, 2014

704 THACKERAY HALL

3:30 P.M.

WILLIAM MINICOZZI

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SINGULARITIES IN MEAN CURVATURE FLOW

ABSTRACT: Mean curvature flow is a nonlinear geometric flow where a hypersurface evolves to decrease its area as efficiently as possible. Singularities are unavoidable and the point is to understand the possible singularities and the behavior of the flow near a singularity. I will talk about recent joint work with Toby Colding and with Toby Colding and Tom Ilmanen where we prove strong rigidity and uniqueness theorems for generic singularities in all dimensions.

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