Ruth Charney  
Brandeis University  
will speak on  

Boundaries of spaces of non-positive curvature

ABSTRACT: Boundaries of hyperbolic spaces play an important role in the study of hyperbolic groups and hyperbolic manifolds. Analogous boundaries exist for simply connected spaces of non-positive curvature (CAT(0) spaces) but they are not as well behaved and hence less effective. I will discuss the differences between these two settings and then introduce a new boundary for CAT(0) spaces designed to capture hyperbolic-like behavior. (Joint work with Harold Sultan)