Simplicial volume of fiber bundles with nonpositively curved fibers

Speaker: Xiaofeng Meng

Abstract: In this talk, I will prove that the simplicial volume of the total space of a smooth fiber bundle with fiber being an oriented closed connected (occ) manifold of nonpositive curvature and negative Ricci curvature over an occ manifold with a closed universal covering is zero. Furthermore, if the fiber is an occ negatively curved manifold with dimension more than 2, the simplicial volume of the total space is zero if and only if the simplicial volume of the base space is zero.

Time: 16:00 (German time)