An infinite-rank summand of the homology cobordism group

Abstract:
The homology cobordism group of integer homology three-spheres is a natural invariant of interest to four-dimensional topologists. In this talk, we recall its definition and give a short introduction to involutive Floer homology. As an application, we see that there is an infinite-rank summand of the homology cobordism group. This includes joint work with Irving Dai, Jen Hom, and Linh Truong.

Host: Jianfeng Lin

Wednesday, December 4, 2019
2:00 PM
AP&M 5829