

**JungHwan Park**

**Title: The (2,1)-cable of the figure-eight knot is not smoothly slice**

**Abstract:** We prove that the (2,1)-cable of the figure-eight knot is not smoothly slice by showing that its branched double cover bounds no equivariant homology ball. This answers a forty-year-old question posed by Kawauchi. This is joint work with Irving Dai, Sungkyung Kang, Abhishek Mallick, and Matthew Stoffregen.