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**Charles Livingston** and **Cornelia A. Van Cott\*** (cvancott@usfca.edu). *Concordance and boundary genus of satellite links.*

In this talk, we will consider several families of satellite links and discuss the minimal genus surfaces which the links bound in  $S^3$ . We will also discuss the surfaces which these links bound in  $B^4$ . Specifically, we consider whether the links are slice. We prove that for most knots  $K$ , the iterated Bing doubles of  $K$  are in fact very far from being slice. In particular, suppose that  $K$  has nontrivial signature  $\sigma$ . Then, if the components of the  $n^{\text{th}}$ -iterated Bing double of  $K$  bound disjoint surfaces in  $B^4$ , the genus of each of these surfaces is at least  $2^{n-1}\sigma$ . The same result holds with  $\sigma$  replaced by  $2\tau$ , twice the Ozsváth-Szabó knot concordance invariant. (Received January 25, 2014)