1171-57-74   **Irving Dai**, **Jennifer Hom**, **Matthew Stoffregen** and **Linh Truong*** (`tlinh@umich.edu`), Department of Mathematics, 530 Church Street, Ann Arbor, MI 48109. *Homology concordance homomorphisms.* Preliminary report.

Two knots in homology 3-spheres are homology concordant if they are smoothly concordant in a homology cobordism. I will explain how to construct integer-valued homomorphisms from this group of knots up to homology concordance. This construction generalizes concordance homomorphisms from knot Floer homology. This is joint work with Irving Dai, Jen Hom, and Matt Stoffregen. (Received August 08, 2021)