1046-57-676 **Philip J.P. Ording*** (pording@mec.cuny.edu), Department of Mathematics, Medgar Evers College, 1150 Carroll Street, Brooklyn, NY 11205. *On knot Floer homology of satellite* $(1,1)$ *knots.*

A $(1,1)$ knot is a knot $K \subset S^3$ which intersects each solid torus H_i, $i = 1, 2$, of a genus one Heegaard splitting $S^3 = H_1 \cup H_2$ in a single trivial arc. Goda, Matsuda and Morifuji recognized that K is a $(1,1)$ knot if and only if it admits a doubly pointed Heegaard diagram of genus one, as defined by Ozsváth and Szabó. In this case, Ozsváth and Szabó have shown that the knot Floer homology of K admits a particularily direct combinatorial calculation. This talk will present a complementary algorithm for producing a doubly pointed Heegaard diagram from a given $(1,1)$ knot and then discuss its application in the study of knot Floer homology of certain satellite knots with trefoil companions. (Received September 09, 2008)