1123-57-123 **Carolyn Otto*** (ottoa@uwec.edu), WI, and **Christopher Davis**, **Taylor Martin** and **Jung Hwan Park**. *Every Genus 1 Algebraically Slice Knot is 1-Solvable.*

In the 1990's Cochran, Orr, and Teichner introduced a filtration of knot concordance indexed by half integers called the solvable filtration. Since its introduction, this filtration has been a convenient setting for many advances in knot concordance. There are now many results in the literature demonstrating the difference between the n'th and (n.5)'th terms in this filtration, but none regarding the difference between the (n.5)'th and (n+1)'st. In this talk we will prove that every genus one (0.5)-solvable knot is 1-solvable. We will also provide a new sufficient condition for a high genus (0.5)-solvable knot to be 1-solvable and close with some possible candidates for knots which are (0.5)-solvable but not 1-solvable. (Received August 22, 2016)