1116-Q6-2247 **Wes Maciejewski*** (wes@mathwes.ca) and **Bill Barton**. *An Analysis of Undergraduate Students' Mathematical Foresight.* Preliminary report.

In a recent manuscript (Maciejewski and Barton, under review) we introduced mathematical foresight as a means of describing research mathematicians' initial approaches to novel mathematical situations. Mathematical foresight is the active process of imagining a possible resolution to a given mathematical situation and a solution path likely to lead to that resolution. This talk will present an analysis of undergraduate students' initial problem solving activity from the perspective of mathematical foresight. Through a qualitative analysis of student activity during the pre-planning phase of problem solving, we have developed a framework of student mathematical foresight. In this talk we first present our initial mathematical foresight framework, positioning it relative to extant constructs in the mathematics education literature. Second, we present our emerging framework of student mathematical foresight and discuss some of its limitations. We conclude with a number of directions for future research. (Received September 22, 2015)