Kevin Dilks* (kevin.dilks@ndsu.edu), Jessica Striker and Corey Vorland. Increasing Labelings and Generalized Promotion.

Previous work of Dilks, Pechenik, and Striker established a connection between rowmotion on plane partitions and $K$-promotion on increasing tableaux of square shape, and also showed that $K$-promotion could be described as a series of local involutions in addition to the usual jeu-de-taquin box sliding definition. In this talk, we generalize to establish a connection between a generalized promotion operation on increasing labelings of any poset, and rowmotion on order ideals of an associated poset. (Received September 26, 2017)