

1106-14-1442 **Mee Seong Im*** (mim2@illinois.edu), 250 Altgeld Hall, 1409 West Green Street, Urbana, IL
61801. *Quiver Hecke algebras and filtered quiver representations.*

Khovanov-Lauda-Rouquier (KLR) algebras are prominent in the study of categorification of quantum groups. I will discuss how quiver Hecke algebras are related to a generalization of quiver representations and give results, further linking the two. I will give open conjectures, suggesting research. (Received September 13, 2014)