

1125-00-2164 **Maitreyee Chandramohan Kulkarni*** (mkulka2@lsu.edu), Baton Rouge, LA 70808. *Quivers from Double Bruhat Cells of Kac-Moody Algebras.*

In this talk, I will describe Berenstein-Fomin-Zelevinsky cluster structures on Schubert cells of symmetrizable Kac-Moody algebras. Geiss-Leclerc-Schröer found an additive categorification of these cluster algebras via Frobenius categories constructed from representations of preprojective algebras. The talk will introduce the construction of quivers by building cylinders over graphs, orientability of its faces, and the construction of nondegenerate potentials for categorification of these algebras with frozen variables. (Received September 19, 2016)