1142-13-107 **Hailong Dao***, Department of Mathematics, 405 Snow Hall, 1460 Jayhawk Blvd, Lawrence, KS 66049. *Regularity bounds on linearly presented monomial ideals.*

Let R be a polynomial ring over a field and I a monomial ideal in R with linear presentation. I will discuss recent results giving upper bounds for the Castelnuovo-Mumford regularity of I, and some open questions. Based on joint works with Craig Huneke, Jay Schweig and Thanh Vu. (Received August 30, 2018)