1105-14-310 **Angela C Gibney*** (agibney@math.uga.edu), Athens, GA 30605, and **Prakash Belkale** (belkale@email.unc.edu) and **Swarnava Mukhopadhyay**. *Vanishing and identities of conformal blocks divisors on the moduli space of curves.*

I will talk about joint work with Belkale and Mukhopadhyay, in which we study aspects of vector bundles of conformal blocks on the moduli space of curves, using the quantum cohomology of Grassmannians. For example, we show that above the critical level, which we introduce, all vector bundles of type A conformal blocks on $\overline{M}_{0,n}$ are trivial. Complementary vanishing results hold for divisors above the theta level in all types. We uncover new level-rank symmetries between pairs of critical level conformal blocks divisors, and other identities as well, all of which give information about the maps they define. (Received September 23, 2014)