**ANDREW RIESEN**, M.I.T.

*Associated Varieties of Finite-Group Orbifolds*

In this talk, I will discuss how the associated variety of a vertex algebra behaves under finite-group orbifolds. In particular, under suitable assumptions, the associated variety of $V^G$ is isomorphic to $X_V/G$ as a reduced Poisson variety. This has several nice consequences, such as the descent of strong rationality: if $V$ is strongly rational, then so is $V^G$, and the category of $V^G$-modules is therefore a modular tensor category.