1151-17-98 **Thomas Creutzig**, **Shashank Kanade*** (`shashank.kanade@du.edu`) and **Robert McRae**.
Gluing vertex algebras.

Consider the tensor product of vertex operator algebras U and W conformally embedded into a larger vertex operator (super) algebra A such that U and W form a commuting pair. I will show how such an extension A yields a braid-reversed equivalence between categories of U-modules and W-modules appearing in the decomposition of A, and conversely how an extension A can be obtained if such an equivalence is known to begin with. This is a joint work with Thomas Creutzig and Robert McRae. (Received August 11, 2019)